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PREFACE

This manual is valid for the SOPHO 2000 IPS telephone system.

In this manual the term NEAX 2000 IPS or NEAX PBX telephone system represents the SOPHO 2000 IPS system.

This book might refer to products not included in the SOPHO portfolio.

Certain items in this manual do not apply to the European market.

In case of doubt, please contact your supplier.

LIST OF TERMS















Abbr. NEC	Description NEC	Abbr. PBC	Description / Remarks PBC
	(Trunk) Route Restriction Class AIMWorX Authorization Code Background music (feature)	TRFC	Traffic Class SMDR & CTI based management platform PID code When phone is idle, user can have background music on speaker Executive/Secretary Shuttle : alternate between 2 parties occupying one line Group - Absent/Present switching Facility Class Mark (sometimes traffic class)
	Boss/Secretary dialing Broker's call		Common number can be speed dial, individual choice dialed manually Enquiry Analysis tree : table within numbering plan Conversion from pulse to DTMF Pressing numeric keys grabs a line as well. VIP status assigned to a station. Earth calling : analog trunk protocol Voice volume control on terminals For ISDN trunks
	Busy in/busy out - ACD Class of Service Coin lines Consecutive Speed Dialing	User side trunk	TDM based equipment (non IP) Division based on capabilities or priorities in the IP system Subscriber signalling e.g. an ATU-SS For ISDN trunks
	Consultation hold Development table Dial conversion Dynamic Dial Pad Executive calling Ground Start Hearing Aid Compatibility Home side trunk	Network side trunk	Operational Maintenance interface tool SOPHO Set / ErgoLine : digital terminal with soft key assignment possible Multi hop (maximum 5 hops allowed) Users own station number. Fixed connection between two data adapters.
	Legacy Location number		Permanent Line Extension Permanent Line Extension CF on night extension
	Loop Start Mate side trunk	CLID	Cluster Identity used for Open Numbering Plans Dterm keys, work (and programmed) like speed dial function CTI Application platform PSTN operator / provider
	MATWorX Multi line terminal		Peer to peer : one to one relation on functional level Group number En-block dialing : prepare number and send it in one go (versus overlap dialing) Seized line (trunk line or extension) when going off-hook (or speaker)
	Multiple Call Forwarding My Line Nailed down connection (data)		Traffic Class Alternative routing when trunk(s) busy Tree : part of the number analysis table
	Night Connection - fixed Night connection - fixed Night Connection - flexible Office Code	LNR	Last Number Redial park position / sub line
	One touch key		
	OpenWorX Operator Party lines Peer to peer		
	Pilot number Preset dialing		
	Prime Line		
	Restriction Class Route Advance Route Pattern Save and Repeat Secondary appearance		

Abbr. NEC	Description NEC	Abbr. PBC	Description / Remarks PBC
	Single line terminal Software Line Appearance Split Call Forwarding Stack Dial	LNNR	Analog Phone Virtual Extension Separate CF for internal and external calls. Last Number/Number Repetition Outgoing calling list (5 entries) Redial List : maximum 5 numbers
	Stack Dial Station	Extension / DNR	
	Station Class Sub Line	FCM	Facility Class Mark Lines on the stations, other then the prime line Analysis group : multi company on one PBX Route
	Tenant Trunk Route Voice Call Whisper page		
AC	Account Code (Client Billing Code)	PID	Announcement without 3rd party hearing it. Password integrated dialing
ACF	Authorization Code Facility		OAI related.
ADF			OAI related.
ALM DSPP	(External) Alarm Display Panel		
ANI	Automatic Number Identification		Caller subscriber number coming in with MF signaling on T1 trunks
ANS	Answer		
AOC	Advice of charge		
AP	Application Card		
AP	Analog Port		
ATND	Attendant		
AttCon	Attendant console		Operator console
BATTM	Battery Module		
BGM	Back Ground Music service		
BHCA	Busy Hour Call Attempts		
BK	Black		
BSY	Busy		
BT	Busy Tone		
CAMA	Centralized Message Accounting		A standard related to 911 service
CAS	Centralized Attendant Service		
CAT	Customer Administration terminal		Dterm used as programming device for PBX
CCIS	Common Channel Interoffice Signalling		Comparable to IMP
CCSA	Common Control Switching arrangement		Customer specific leased lines/network, US only
CCT	CCIS Trunk		
CF-D	Call Forwarding - Destination		Call Forwarding – Destination : no preparation on originator necessary.
CFT	Conference trunk		
CIC	Circuit Identification Code		Trunk channel ID for virtual IP trunk channels (Line number)
CID	Call ID Display		
CIR	Caller ID Receiver		
CIS	Call Information System		
CM	Command		See Commands Manual
CNP	Closed Numbering Plan		
CO	Central Office		
COT	Central Office Trunk		
CPN	Calling Party Number		ISDN calling party number
CPN	Calling Party Number		
CPU	Central Processing Unit		
CRD	Call Redirect		
CS	Cell Station		
CSU			
DAT	Digital Announcement Trunk		

Abbr. NEC	Description NEC	Abbr. PBC	Description / Remarks PBC
DBM			Commands Manual - AP00 card
DCH	D-Channel Handler		
DD key	Do not Disturb Key		
DDD	Direct Distance Dialing		
DDI	Direct Digital interface		T1/E1 interface to public network
DDOVR	Do not Disturb Override		
DeskCon	Desk Console	SV	SuperVisor / Operator Console
DID calls	Direct Inward Dialing calls	DDI	Direct dialing in : not for FX and WATS trunk (USA only)
DISA	Direct Inward System Access		Remote access to system
DIT	DID trunk / Direct Inward Termination	PLE	Permanent Line Extension(s) : for limited direct inward dialing: 1/more trunk(s) related to 1 station For Dterm, Attendant and Desk Console.
DLC	Digital Line Circuit		
DM	Distributed Module		
DMS	Distributed Module Small		
DNIS	Dialed number Identification Service		
DOD	Direct Outward Dialing	DDO	Direct Dialing Out : setting up external calls without attendant assistance Pulse dialing
DP	(Rotary) Dial Pulse		
DPC	Data Port Controller		
DPC	Destination Point Code		Kind of Cluster ID; for terminating office
DRS	Device Registration Server		Compare with Gatekeeper function: registering endpoints
DS	Differential Services (DiffServ)		
DSS/BLF	Direct Station Select / Busy Lamp Field		
DSW	Device Server WorX		For Dterm assistant software
DT	Dial Tone		
DTE	Data Terminal Equipment		
Dterm	Digital (or IP) terminal	Dterm	Desktop Telephone (analog or digital)
DTG	Digital Tone Generator		
DTI	Digital Trunk Interface		
FAC	Forced Account Code		
FCC	Federal Communications Commission		American regulation office
FD	Floppy Disk		
FDA	Forwarded - All calls		
FDB	Forwarded - Busy		
FDN	Forwarded - No answer		
FG	Frame Ground		
FGD	Feature Group D format		Signalling format for ANI.
FLF	Free Location Facility		OIA related, Desksharing look-a-like. NOT available for IPS 2000
FP	Firmware Processor		Compare with PMC
FX	Foreign Exchange		Specific part of PSTN; US only
HDT	Hold Tone		
HWT	howler tone		Alarm tone
ICH	ISDN channel handler		
ICI	Incoming Call Identification		
ICM	Intercom		
IEC	International Electro-technical Commission		
ILC	ISDN line card		
IP	Internet Protocol	IP	Internet Protocol
IPM	Indications per minute		For flashing lamps / LEDs
IPS	Internet Protocol Server		
IPT	IP trunk		
IPX	Internet Protocol eXchange		
IVS	Integrated Voice Server		

Abbr. NEC	Description NEC	Abbr. PBC	Description / Remarks PBC
KF	Key Feature (registration)		Key systems are operating directly on outside lines.
KTF	Key Transfer Facility		OAI related.
LAN	Local Area Network	LAN	Local Area Network
LCR	Least Cost Routing	LCCR	Least cost call routing : number analysis development manner
LDN	Listed Directory Number		
LDT	Loop Dial trunk		
LEN	Line Equipment Number	EHWA	Equipment hardware Address : PIM nbr (0 ~ 7)+ Port nbr (00 ~ 63) LEN = (000 ~ 763)
LT	Line/Trunk		
MAT	Maintenance Administration Terminal	OMM	Operation Maintenance module : PC needed in terminals mode
MB	Make Busy	SETOUT	Set to Out Of Service : Out of Service / Not installed situation for reset or maintenance
MCI	Message Center Interface		Interface for Voice Mail system
MEM	Main Memory		
MFG			
MFR	MF receiver / MFC receiver/sender		
MIB	management Information Base		
MIC	Microphone		Microphone or its key
MIS	management Information System		
MJ	Major (alarm)		
MLDT	Melody Trunk		
MN	Minor (alarm)		
MOC			OM terminal window, part of MATWorX
MP	Main Processor		Compare with CPU
MRF	Mode Reset Facility		OAI related.
MSF	Mode Set Feature		OAI related.
MSG	Message		
NEAX	NEC PBX	SOPHO	
NS	Network Station		
NTF	Number Transfer Facility		OAI related.
NTS	Night Transfer Station		Night Extension
OAI	Open Application Interface		CTI interface
ODT	OD Trunk		2/4 wire E&M
ODT	Outband Dialing Trunk		
ONP	Open Numbering Plan		
OPC	Original Point Code		Kind of Cluster ID; for originating office
OPR	Operator		Attendant
PAD	(IP) Packet Assembler / Disassembler		Used for TDM / IP translation
PBR	Push Button Receiver		DTMF receiver
PBSND	Push Button Sender		DTMF sender
PC	Point Code		
PCK	Pickup		
PFT	Power Failure Transfer		
PIM	Port Interface Module		Shelf : comparable with CSM and PM shelves
PLO	Phase Locked Oscillator		
PMS	Property Management System	PMS	Property Management System (in hotel environments) For example PN-8DLCC board
PN	Part Number		
PNA	Phone line Network Alliance		
PPS	Pulses per second		Used in pulse dialing
PROTIMS			Proprietary protocol, used for building CCIS
PRT	ISDN primary rate interface trunk		
PS	Personal Station		
PS	Portable Station		NEC wireless system
QoS	Quality of Service		

Abbr. NEC	Description NEC	Abbr. PBC	Description / Remarks PBC
RAS	Registration Admission Status		Registration Admission Status
RBT	Ringback Tone		
RC	Room Cutoff		
REN	Ring Equivalence Number		
RLS	Release		
ROT	Reorder Tone		
RPIM	Remote PIM		
RSC	Route restriction Class		
RST	Restricted		
RTP	Real Time Protocol		
SCF	Switch Control Facility		OAI related.
SDT	Special Dial Tone		
SLT	Single Line Telephone		Analog telephone
SMDR	Station Message Detail Recording	FDCR	Full Detailed Call Recording
SMFN	Status Monitor Facility (Notification)		OAI related.
SMFR	Status Monitor Facility (Request)		
SOC	System on chip		
SP	Soft Phone		
SPID	Service Profile ID (ISDN)	BSP-ID	Basic Service Profile ID (ISDN)
SPN	Special Part Number		
SSFM	Service Set facility Monitor		OAI related.
SSFR	Service Set Facility Request		OAI related.
SST	Service Set Tone		
STA	Station		
STN	Station		
TAH	Trunk Appearance Hold		
TAS	Trunk Answer Any Station		Pickup incoming calls in night mode
TCF	Terminal Control Facility		OAI related.
TCM	(Deluxe) Travelling Class Mark		
TDM	Time division multiplexing		
TDS	Time division switching		
TDSW	Time Division Switch		
TIC	(Individual) Trunk identification Code		Line numbers of trunk lines
TMF	Terminal Multi-information transfer Facility		OAI related.
TMSF	(Terminal) Mode Set Facility		OAI related.
TNT	Tone/Music source interface		
TRF	Transfer		
TSW	Time Switched		
UAP	User Application Processor		
UCD	Uniform Call Distribution		Basic ACD. Distribution of calls based on longest idle.
UNP	Uniform Numbering Plan		(Network) numbering plan
USOC	User Service Order Code		Other word for REN
VC	Voice Compression		
VCT	Voice CODEC circuit card		
VDSL	Very high data rate Digital Subscriber Line		
VM	Voice Mail		
VOIP	Voice over IP	VOIP	Voice over IP
WAN	Wide Area Network	WAN	Wide Area Network
WATS	Wide Area Telephone Service		Specific part of PSTN, US only
WCS	Wireless Communication System		"Analog DECT"
WH	White		
WU	Wake up		
ZT	Zone Transceiver		For Wireless system

Dterm icon	Meaning
	Hold
	Transfer
	Speaker
	Answer
	Redial
	Conf(ERENCE)
	Recall
	Feature
	MIC
	Message
	Directory
	- / +
	Help
	Exit

NEAX 2000 IPS Command Manual

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INTRODUCTION

PURPOSE

This manual explains all of the commands required for programming the NEAX 2000 IPS, using the Customer Administration Terminal (CAT) or Maintenance Administration Terminal (MAT).

OUTLINE OF THIS MANUAL

This manual consists of four chapters. The following paragraphs summarize Chapters 1 through 4.

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, 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.

CHAPTER 4 RESIDENT SYSTEM PROGRAM

This chapter explains how to load the Resident System Program and the service conditions, and contains the data table.

APPENDIX A LEN ASSIGNMENT

This appendix contains the location of Line Equipment Number (LEN) for each system configuration and the data assignment.

APPENDIX B TERMINAL KEY ASSIGNMENT

This appendix contains the key number layout of each D^{term}, ATTCN, DESKCON, DSS Console, and Add-On Module.

TERMS IN THIS MANUAL

PBX SYSTEM DESIGNATION

PBX system is designated as “PBX” or “system” usually.

When we must draw a clear line between the PBX systems, they are designated as follows.

2000 IPS : NEAX 2000 IPS INTERNET PROTOCOL SERVER

2400 IPX: NEAX 2400 IPX Internet Protocol eXchange

SERVICE FEATURE NAME

When a service feature name differs with markets, the name in each market is designated as follows:

Service feature name for global countries other than North America (Service feature name for North America)

Example: Executive Right of Way (Executive Override)
Remote Access to System (DISA)

ATTENDANT CONSOLE NAME

Attendant Console is designated as “Attendant Console” usually.

When the console type is limited by a service feature, it is designated as follows:

Large type ATTCON: Large type of Attendant Console (HA-610Z ATTCON/SN619 ATTCON)

ATTCON: Small type of Attendant Console (SN708/709/712/741 ATTCON)

DESKCON: Desk Console (SN716 DESKCON)

TERMINAL NAME

The following digital multi-function terminals are designated as “D^{term}” usually, unless we need to mention the type of terminal in particular.

D^{term}60/Electra
D^{term}65/Series III
D^{term}70/Elite
D^{term}75/Series E
D^{term}85/Series i

Also the following IP terminals have the function of “D^{term}”. They are designated as “D^{term}IP” usually, unless we need to mention the type of terminal in particular.

D^{term}IP (IP Adapter Type) **[For North America Only]**
D^{term}IP (IP Bundled Type)
D^{term}IP INASET
D^{term}SP20
D^{term}SP30

NOTE 1: *D^{term}75 (Series E) and D^{term}85 (Series i) terminals can be used as the IP terminal by attaching the IP Adapter (IP Enabled D^{term}). This terminal provides users with all features currently available in D^{term}IP.*

NOTE 2: *In regard to China market, we have not released NEAX 2000 IPS INTERNET PROTOCOL SERVER but NEAX 2000 is released.*

NOTE 3: *In regard to China market, we have not released NEAX 2400 IPX Internet Protocol eXchange but NEAX 2400 is released.*

HARDWARE NAME

There are following three types of Application Processor cards. When we need to mention the type of them in particular, they are designated as follows.

PN-AP00-B with AP00 program
PN-AP00-B with MRCA program
PN-AP00-D with MRCA program

When both of types are applied in common, Application Processor cards are designated as “AP00 card”.

COUNTRY REFERENCE

The exclusive commands for specific country are described as follows;

[Asia]	[Latin America Only]
[Australia Only]	[New Zealand Only]
[Australia/Argentina]	[North America Only]
[Australia/Europe]	[North America/Latin America]
[Australia/France]	[North America/EU]
[Australia/New Zealand]	[Not used in Australia/North America]
[Australia/North America]	[Not used in Australia/North America/UK]
[Brazil Only]	[Not used in North America]
[Brazil (900 Ω)/New Zealand]	[Other than Australia]
[Brazil/UK]	[Other than EU]
[Chinese No. 1]	[Other than New Zealand]
[Europe Only]	[Other than North America]
[For China]	[Russia Only]
[For EU]	[Taiwan Only]
[For PCS]	[UAE Only]
[For PHS]	[Venezuela Only]
[France Only]	

SOFTWARE VERSION

This manual describes the commands for Series 3000 software or later.

The new commands for each software version enhancement are described as follows:

[Series 3100]
[Series 3200 R6.1 (R6.1)]
[Series 3200 R6.2 (R6.2)]
[Series 3300]
[Series 3400]
[Series 3500]
[Series 3600]
[Series 3700 R12.1]
[Series 3700 R12.2]
[Series 3800]
[Series 3900]

REFERENCE MANUAL

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

System Manual:

Contains the system description, hardware installation procedure and the programming procedure of the NEAX 2000 IPS System.

Maintenance Manual:

Contains the maintenance service features and the recommended troubleshooting procedure.

Feature Programming Manual:

Contains procedure for programming each business and hotel feature.

AD-8 System Manual:

Contains the hardware installation procedure and the programming procedure for the NEAXMail AD-8 Voice Mail System.

IM-16 System Manual:

Contains the hardware installation procedure and the programming procedure for the NEAXMail IM-16 Voice Mail System.

ISDN System Manual:

Contains the system description, hardware installation procedure, programming procedure and the operation test procedure for the ISDN System.

CCIS System Manual:

Contains the system description, hardware installation procedure, programming procedure and the operation test procedure for the CCIS System.

OAI System Manual:

Contains the system description, hardware installation procedure, programming procedure and the troubleshooting procedure, for the Open Application Interface (OAI).

Q-SIG System Manual:

Contains the system description, hardware installation procedure and the programming procedure for the Q-SIG System.

WCS System Manual:

Contains the system description, hardware installation procedure and the programming procedure for the Wireless (WCS) System.

Remote PIM System Manual:

Contains the system description, hardware installation procedure and the troubleshooting procedure for the TDM based Remote PIM System.

SIP Trunk System Manual:

Contains the system description, hardware installation procedure and the programming procedure for the SIP Trunk System.

WLAN System Manual:

Contains the system description, hardware installation procedure and the programming procedure for the WLAN System.

NOTE: *TDM based Remote PIM System is not available from Series 3200 R6.2 (R6.2).*

NEAX IPS^{DM} Hardware Installation Guide:

Contains the general information and installation procedure for the NEAX IPS^{DM} (Internet Protocol Server Distributed Model)/NEAX IPS^{DMR} (Internet Protocol Server Distributed Model Remote) System.

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.

CAT AND MAT	8
CAT KEY FUNCTIONS	9
CAT MODE SETTING PROCEDURE	14
NOTICE ON CAT MODE	15
CAT OPERATION	16
ERROR MESSAGES	20

CAT AND MAT

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

The CAT is a digital multi function telephone (D^{term}) which is equipped with function keys, a dial pad and LCD and interfaces with the system via the MP card.

The Maintenance Administration Terminal (MAT) is a personal computer that provides an interface to the PBX via the system MP card. The MAT PC must have the MATWorX program properly installed to communicate with the PBX. MATWorX is required for system software registration and activation.

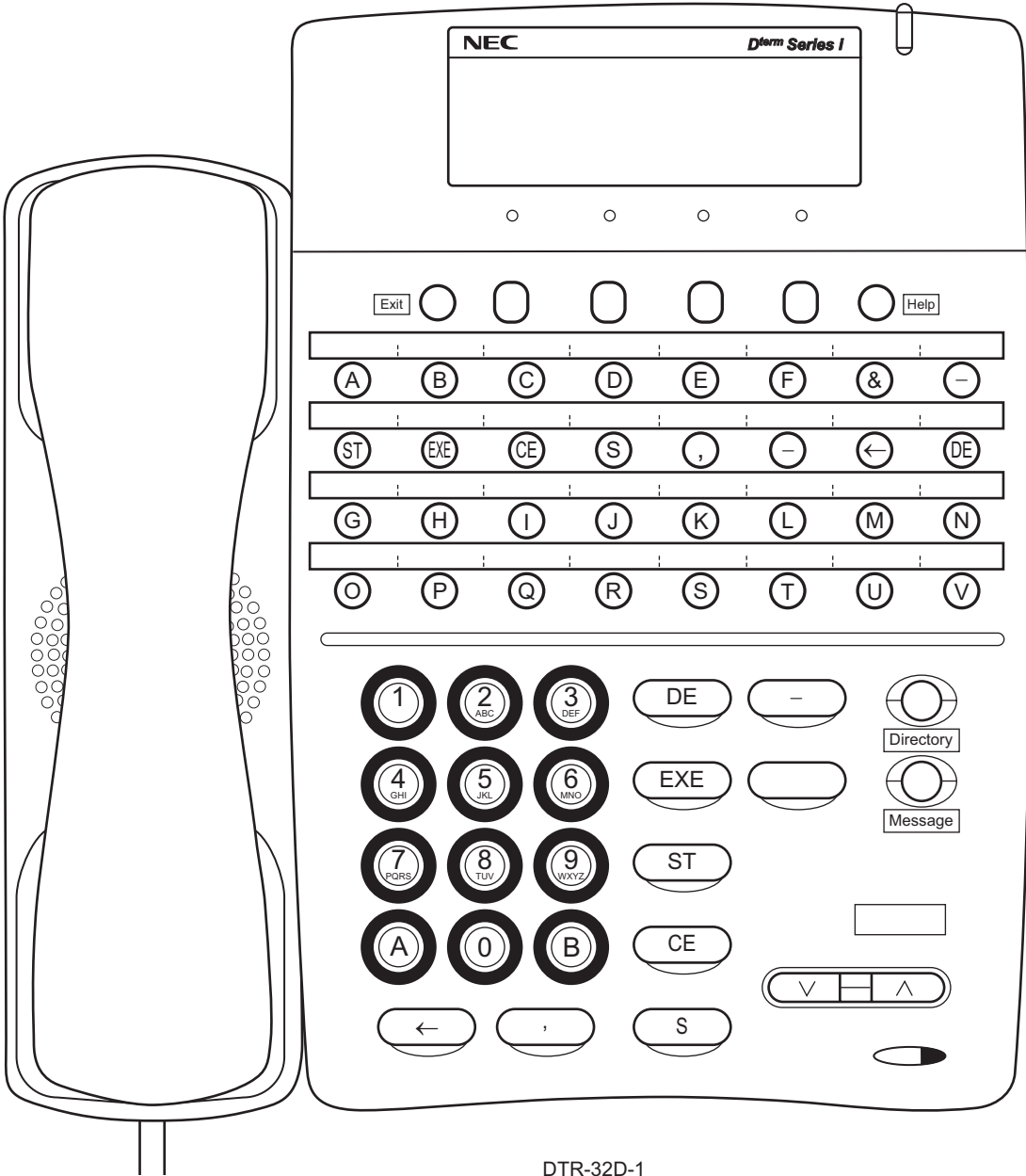
MATWorX is a Graphical User Interface (GUI) program that provides an efficient method for manipulating the PBX database. This program contains extensive help files, Usage Wizards and Tool Tips, with hyperlinks imbedded in the text. The hyperlinks provide quick access to the appropriate Add-In modules.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

CAT KEY FUNCTIONS

In the CAT mode, each key on the D^{term} is automatically assigned as shown in figure below.
For the function of each key, see “CAT Function Keys”. [Page 13](#)

- 16 Line/Trunk/Feature Keys + 16 One Touch Keys (CM12 Y=24 2nd data=7)

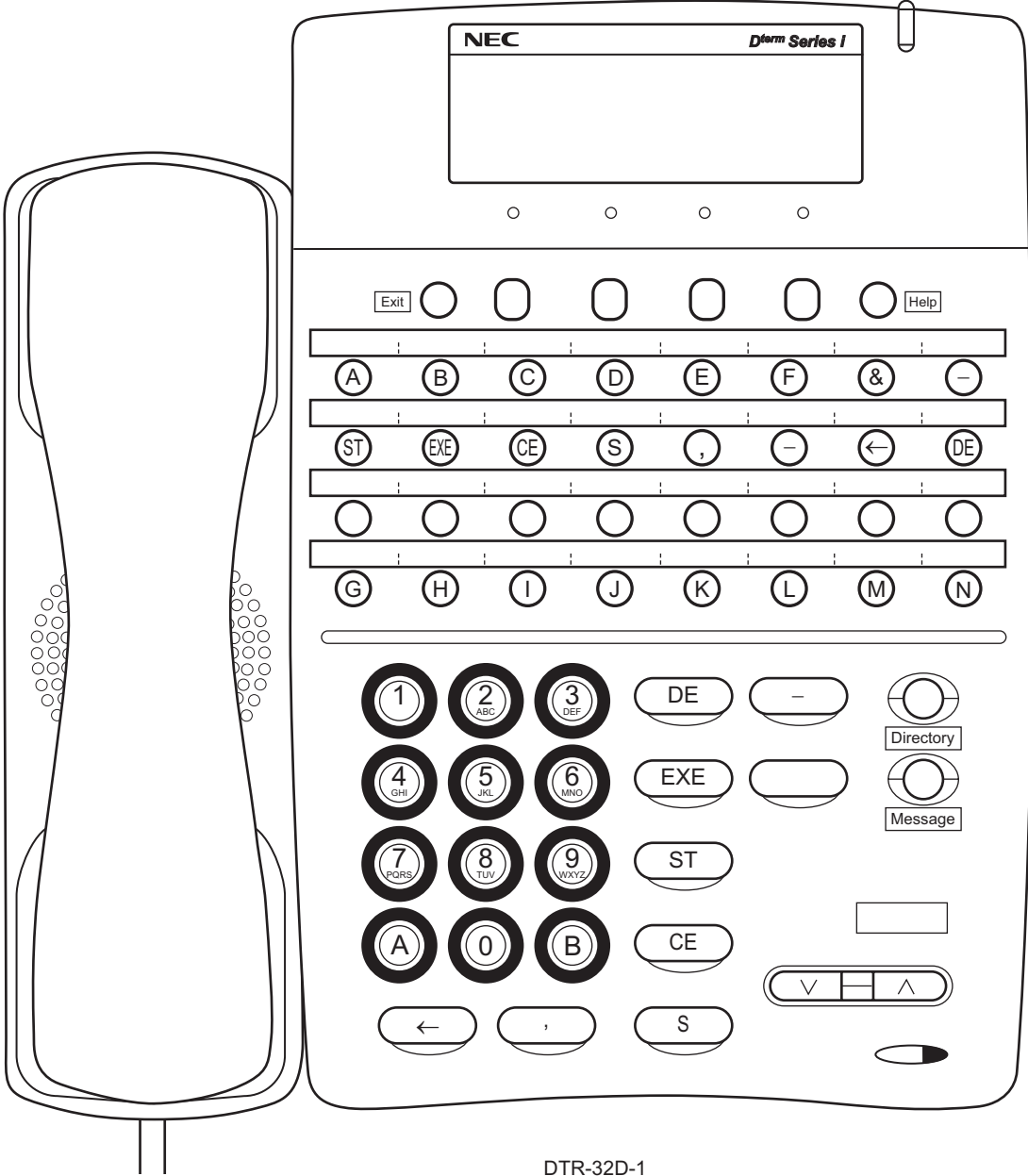
CAT Key Assignment



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- 24 Line/Trunk/Feature Keys + 8 One Touch Keys (CM12 Y=24 2nd data=0)

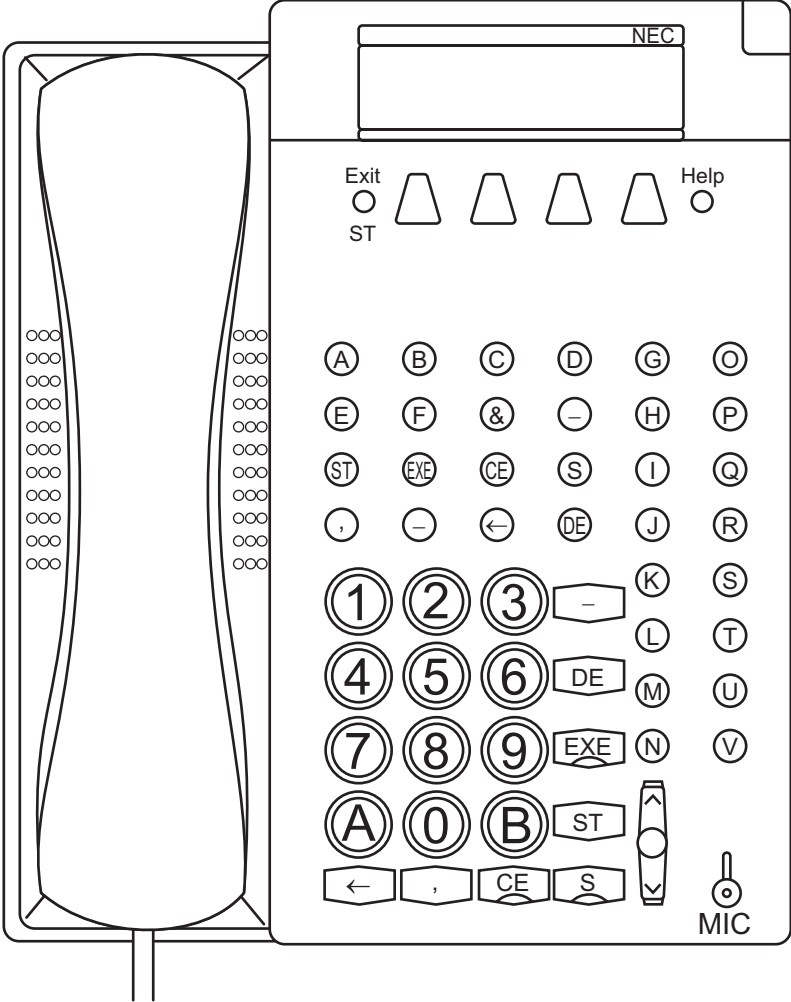
CAT Key Assignment



DTR-32D-1

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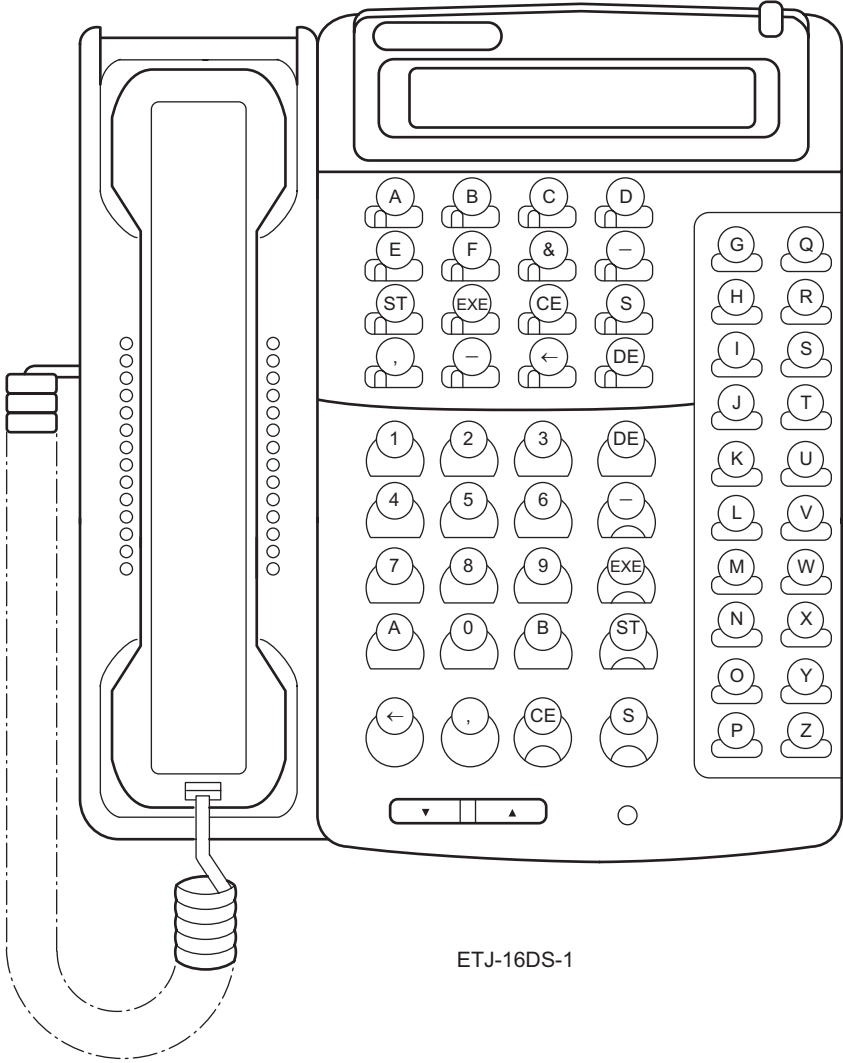
CAT Key Assignment



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CAT Key Assignment



ETJ-16DS-1

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

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	Data (Data is entered as character code) used for name assignment

CAT MODE SETTING PROCEDURE

To set CAT mode:

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” displayed on LCD
7. Press **ST**
 - “COMMAND= –” displayed on LCD

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

To clear the CAT mode:

While “COMMAND= –” is displayed on the LCD.

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, system data clear commands (CM00, CM01) 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 card into the LT00 slot of PIM0.
 2. Connect the CAT (D^{term}) to LEN000 at the MDF.
 3. Set SW3 on the MP card to “B”.
 4. Press SW1 on the MP card. (System Data All Clear)
 5. Set SW3 on the MP card to “0”. (On-Line mode)
 6. Set the CAT mode on the D^{term}.
- (3) Do not change or delete CM10/CM14 My Line number of the CAT, during CAT mode.
- (4) There are no limitations on the number of D^{term}s in the system that can be programmed to allow CAT capability. However, the number of D^{term}s 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 you use a D^{term} 70/75 for CAT, press **[ST]** (Exit) key so that the display of CAT is expanded to 24-digit.

NOTE 1: *D^{term} 70=Elite Terminal*
D^{term} 75=D^{term} Series E
D^{term} 85=D^{term} Series i

NOTE 2: Do not use **[ST]** (**[REDIAL]**) key in the above (5) operation. **[ST]** (Exit) key operation is required.

CAT OPERATION

When setting the office 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 office 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 initial data value or “NONE” is displayed.

(2) To assign (change) the office 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 first 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 is described below.

- (1) Example in the case that station number 300 is to be assigned to LEN000 and station number 301 to LEN001 by CM10.

Example of CAT Operation

	(Display)	
STEP 1 Set CAT mode.	CAT MODE	
STEP 2 Press [ST] .	COMMAND = —	
STEP 3 Enter "10" (Command Code).	COMMAND = 10 —	
STEP 4 Press [DE] .	10 > —	
STEP 5 Enter "000" (LEN).	10 > 000 —	
STEP 6 Press [DE] .	10 > 000: NONE— —	NOTE 1
STEP 7 Enter "300" (Station Number).	10 > 000: NONE-300	
STEP 8 Press [EXE] .	OK —	
STEP 9 Press [DE] .	10 > 000: 300 — —	NOTE 2
STEP 10 Press [S] .	10 > 001: NONE —	NOTE 1
STEP 11 Enter "301" (Station Number).	10 > 001: NONE-301	
STEP 12 Press [EXE] .	OK —	
STEP 13 Press [DE] .	10 > 001: 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 “001” by mistake, press **CE**. Then the state returns to STEP 4.

STEP1: CM10 has been entered and **DE** has been pressed. 10> __

STEP2: “001” has been entered instead of “000” as intended. 10>001 __

STEP3: “001” has been assigned as the first data after pressing **DE**. 10>001: NONE __

STEP4: If **CE** is pressed, the state returns to that of Step 1. 10> __

STEP5: Enter “000”. 10>000 __

STEP6: Press **DE**, and assign the correct first data. 10>000: 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. 10>001: NONE-302

STEP2: Press **←**. 10>001: NONE-30 __

STEP3: Press digit Key “1”. 10>001: NONE-301 __

(3) Example of deleting station number “300” assigned to LEN000 after completing all the operation in the above (1) example.

STEP1: Press [ST] .	COMMAND= __
STEP2: Enter “10”. (Command Code)	COMMAND=10 __
STEP3: Press [DE] .	10> __
STEP4: Enter LEN “000”.	10>000 __
STEP5: Press [DE] .	10>000: 300-
STEP6: Enter “CCC”.	10>000: 300-CCC
STEP7: Press [EXE] .	OK
STEP8: Press [DE] .	10>000: 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
DIGIT ERROR	Error in the number of digits entered	Depress “ST” or “CE” and enter the correct data.
DATA ERROR	The value of the entered data is incorrect.	Depress “ST” or “CE” and enter the correct data.
CODE NOT USED	The command code entered is not in use, or password is needed.	Depress “ST” or “CE” and enter the correct data, or follow the procedure for entering a password.
DATA NOT FOUND	A station number not assigned has been entered.	Depress “ST” or “CE” and enter the correct data.
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 MP card or replace the MP card with spare.
WD ERROR	- Error exists in memory. - System ID Code has not been assigned. - Option is not allowed.	Assign correct System ID Code.

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/CM14.
xx>xxx: ERROR	The first data has been changed by “S” or “-” button, but the station corresponding to that first data is not assigned.	Change the first data by “S” or “-” button, or reenter the first data by “CE”.

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CHAPTER 2

PRECAUTION

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

CONDITIONS FOR USING COMMANDS	24
METHOD OF SETTING ON-LINE/OFF-LINE MODE	31
PORT ALLOCATION	33
PASSWORD ENTRY	38
NATION CODE ASSIGNMENT	40
SYSTEM DATA BACKUP	41

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 initial data (◀) is provided but the initial data (◀) is “NONE”.
 - CM29, CM41, CM42, CM46, CM47, CM60 Y=30.

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the MP card after data setting. • Press SW1 on the MP card for system reset. NOTE 1 INITIAL	CM04 Y=00 NOTE 2	Language Indicated on D ^{term} /ATTCON/DESKCON LCD
	CM05	AP Card Type
	CM06	AP Card Allocation
	CM07	DTI/CCIS/ISDN Trunk Assignment
	CM08>335, 368, 390, 391, 392, 396, 397, 420, 477, 478, 487	Basic Service Features
	CM09	Additional Service Features
	CM0B	LAN Data Assignment
	CM10	Station Number, Trunk Number, Card Number (The system initialization is required only for assigning the PN-CFT.)
	CM12 Y=17 NOTE 2	Station Class-1
	CM13 Y=33	Station Class-2
	CM14	Station Number, Trunk Number, Card Number (The system initialization is required only for assigning the PN-CFT/WLAN virtual CS/ZT.)
CM30 Y=35	Trunk Data	

NOTE 1: Before the MP card is reset, the system data backup must be executed by CMEC Y=6>0:0.

NOTE 2: A reset is not required after setting/changing CM04 Y=00, CM12 Y=17, and CM35 Y=100, when using Series 3600 software or later. These commands are valid by the following operations respectively after setting/changing.

- CM04 Y=00 : pull out and reconnect the modular connector of the D^{term} and DLC card
- CM12 Y=17 : pull out and reconnect LLC card
- CM35 Y=100: pull out and reconnect COT/IDT/LDT/ODT/DID cards

Continued on next page

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the MP card after data setting. • Press SW1 on the MP card for system reset. <div style="text-align: center;"> NOTE 1 INITIAL </div>	CM31 Y=0, Y=1>1, 2, 3, Y=2, Y=3, Y=4, Y=5, Y=6, Y=7, Y=8, Y=A>00, 01, 02, 04, 05, 06, 07, Y=B	MFC/MF-ANI Trunk Data
	CM35 Y=90, 91, 100 <div style="text-align: center;">NOTE 2</div>	Trunk Route Data
	CM42>47, 48, 66, 68, 74, 75	System Counter Data/Pad Data/Trunk Restriction Class Conversion
	CM48 Y=0: 0200, Y=1: 0200, Y=2>09-11, Y=4	Hold/Walk Up/Timed Reminder/Automated Attendant Tone
	CM5A	Virtual Line-Virtual Trunk Path Setting
	CM60 Y=00, 01, 02, 04, 06, 16, 17, 22, 23, 27, 51	ATT Tenant Group, Functions
	CM62	Tenants for Each ATT Group
	CMA0	Type of Data Terminal Interface
	CMA7	Originating Point Code (OPC) of CCH/IPT
	CMAA Y=14	Selection of DCH/CCH/DTI for T1, VIRTUAL AP Function
	CMAC	ISDN Functions
	CMF8 Y=3>0, 1	Serial No./ID Code/Program Revision Read

NOTE 1: Before the MP card is reset, the system data backup must be executed by CMEC Y=6>0:0.

NOTE 2: A reset is not required after setting/changing CM04 Y=00, CM12 Y=17, and CM35 Y=100, when using Series 3600 software or later. These commands are valid by the following operations respectively after setting/changing.

- CM04 Y=00 : pull out and reconnect the modular connector of the D^{term} and DLC card
- CM12 Y=17 : pull out and reconnect LLC card
- CM35 Y=100: pull out and reconnect COT/IDT/LDT/ODT/DID cards


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Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the AP00 card after data setting. • Set the Make Busy switch to UP and then DOWN. (AP00 INITIAL)	CM12 Y=49	Station Class-1
	CMD001>20-35, 80-96, 100, 102-107, 109-116, 120, 122-127, 131-136, 140, 142-147, 149-156, 250, 257, 258	SMDR/CIS/PMS Function
	CMDD00>3	SMDR Functions (1)/Do Not Disturb Group Set/Cancel
	CMDD01>100-103	SMDR/MCI Functions
	CMDD10	Interface Condition for AP00 RS Port
Commands which require a reset of the DCH card after data setting. • Set the Make Busy switch to UP and then DOWN. (DCH INITIAL)	CM35 Y=113, 142	Trunk Route Data
	CMA9	D-channel Assignment
	CMAA Y=06	ISDN Protocol Type for DCH/PRT
Commands which require a reset of the ICH card after data setting. • Set the Make Busy switch to UP and then DOWN. (ICH INITIAL)	CMAA Y=06>24, 63	ISDN Terminal Type for ICH
Commands which require a reset of the DTI/PRT/CCT card after data setting. • Set the Make Busy switch to UP and then DOWN. (DTI INITIAL)	CM08>644	Basic Service Features
	CMAA Y=00, 01, 02, 03, 06, 09, 12, 13	DTI/PRT/CCT Functions

Continued on next page

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the BRT card after data setting. • Set the Make Busy switch to UP and then DOWN. (BRT INITIAL)	CM08>644	Basic Service Features
	CM35 Y=79	Trunk Route Data
	CM35 Y=144	ISDN-BRI Layer 1 activation
	CM35 Y=283	TEI (Terminal Endpoint Identifier) assignment for ISDN terminals
	CMAA Y=06	BRT Functions
Commands which require a reset of the CIR card after data setting. • Set the Make Busy switch to UP and then DOWN. (CIR INITIAL)	CM08>489	Basic Service Features
Commands which require a reset of the CSH card after data setting. • Set the Make Busy switch to UP and then DOWN. (CSH INITIAL)	CMAD Y=24	Kind of CS/ZT
	CMAE Y=00>03, 04, 05, Y=10, Y=11, Y=15, Y=19, Y=42	CS/ZT Operation Data Assignment
Commands which can be used only under Off-Line mode of the MP card. See "METHOD OF SETTING ON-LINE/OFF-LINE MODE".  Page 31 NOTE (OFF LINE)	CM00	System Data Memory All Clear
	CM01	System Data Memory Partial Clear
	CM0B Y=00>90	Remote Site Number Assignment
	CMEC Y=4: CCC CMEC Y=7>00	Maintenance by MAT/CAT
	CM4A Y=90	Day/Night Mode Change by System Clock

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

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Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which can be used only under Off-Line mode of the AP00 card. See "METHOD OF SETTING ON-LINE/OFF-LINE MODE". Page 32 AP OFF LINE	CMD100	Billing System Data Partial Clear for PN-AP00-B with AP00 Program
	CMD101	Billing System Data All Clear for PN-AP00-B with AP00 Program
	CMD102	Billing Memory Clear for PN-AP00-B with AP00 Program
	CMDD98	Billing Memory Clear for PN-AP00-B/PN-AP00-D with MRCA Program
	CMDD99	Billing System Data All Clear for PN-AP00-B/PN-AP00-D with MRCA Program
Commands which require a reset of the CFTC card after data setting. • Set the Make Busy switch to UP and then DOWN. CFT INITIAL	CMAA Y=10	Conference trunk partition for CFTC
Commands which require a reset of the IPT card after data setting. • Set the Make Busy switch to UP and then DOWN. IPT INITIAL	CM0A	LAN Interface Assignment
	CMA7 Y=46	Connection method for IP trunks
	CMA7 Y=52-62	IP Trunk Data
	CMBA Y=04, Y=10, Y=12-19, Y=21, Y=22, Y=30-32, Y=34, Y=36-39, Y=41, Y=42, Y=45-51	H.323/SIP Profile Data

Continued on next page

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the SIP card after data setting. • Set the Make Busy switch to UP and then DOWN. SIP INITIAL	CM0A	LAN Interface Assignment
	CMBA Y=04, Y=10, Y=13, Y=14, Y=21, Y=30, Y=31, Y=137 NOTE	H.323/SIP Profile Data
Commands which require a reset of the IP-PAD card after data setting. • Set the Make Busy switch to UP and then DOWN. IP-PAD INITIAL	CM0A	LAN Interface Assignment

NOTE: SIP initial is required only when SIP Trunk Source IP Address Check is provided by CM0A Y=79: 0.

METHOD OF SETTING ON-LINE/OFF-LINE MODE

FOR MP CARD

- Setting Off-line mode
 - (1) Set SW3 on the MP card to “2” or “3”.
 - (2) Press SW1 on the MP card.

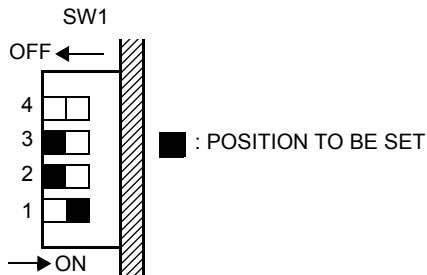
- Setting On-line mode
 - (3) Set SW3 on the MP card to “0”.
MP will reset automatically after SW3 is set to a 0.

For details, refer to the Installation Procedure Manual.

FOR AP00 CARD

- Setting Off-line mode

Set SW1 on the AP00 card as shown below.



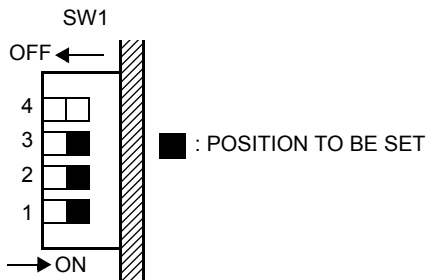
SW1-4 should be set as follows;

ON : AP No. is 04-15

OFF: AP No. is 20-31

- Setting On-line mode

Set the SW1 on the AP00 card as shown below.



SW1-4 should be set as follows;

ON : AP No. is 04-15

OFF: AP No. is 20-31

PORT ALLOCATION

The port allocation of the Time Division Switch is shown below:

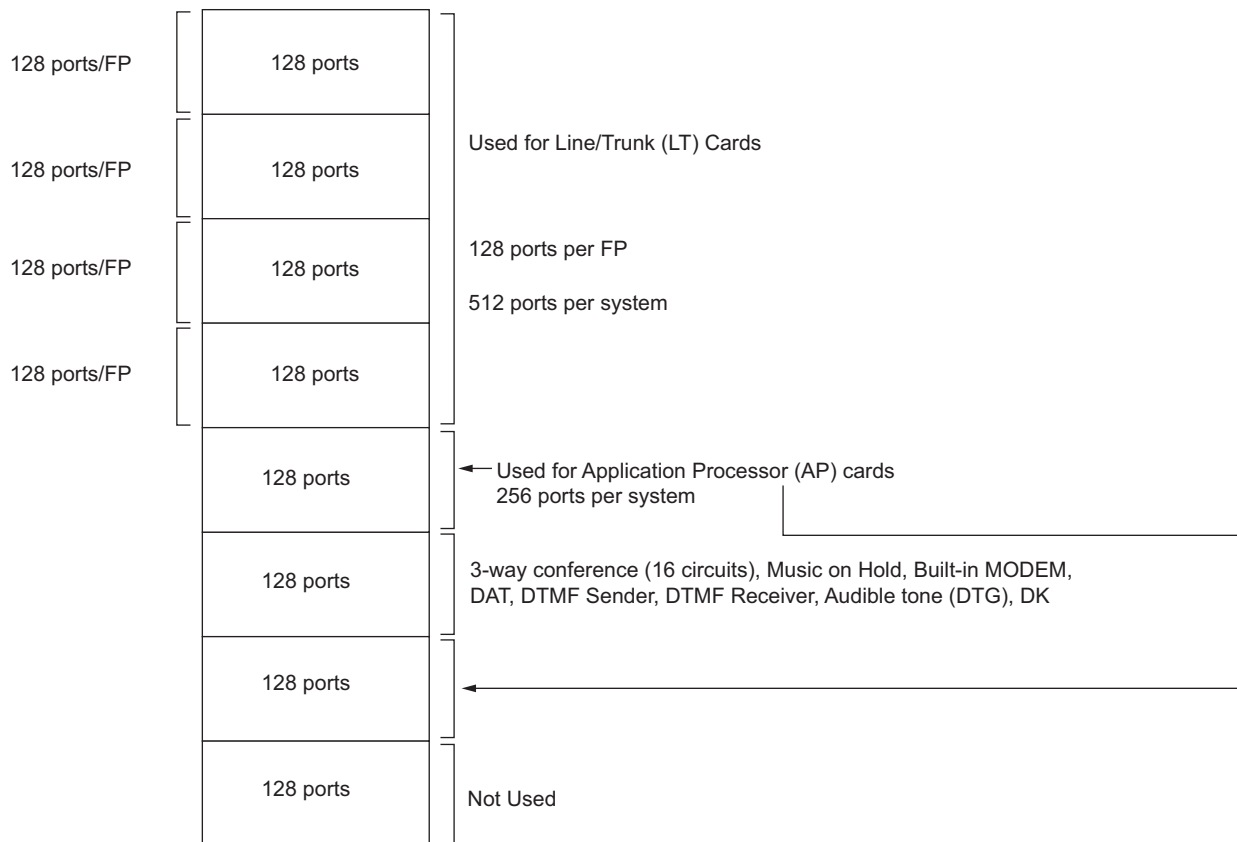
- Number of ports for line/trunk cards ≤ 512 ports per system
 ≤ 128 ports per FP

See “Number of Ports for Each Line/Trunk Card”. [Page 34](#)

- Number of ports for application processor cards
Basic AP port (Basic HW) ≤ 128 ports per system
Expanded AP port (Expanded HW) ≤ 128 ports per system

See “Number of Ports for Each Application Processor Card”. [Page 36](#)

Port Allocation of Time Division Switch



Number of Ports for Each Line/Trunk Card

L/T CARD	NUMBER OF CIRCUITS	NUMBER OF TIME SLOTS	REMARKS
PN-2AMPA (AMP)	2	4	
PN-8COTH/PN-8COTQ/PN-8COTR/ PN-8COTS/PN-8COTT/PN-8COTU (COT)	8	8	
PN-6COTJ (COT)	6	6	
PN-4COTA-A/PN-4COTB/PN-4COTE/ PN-4COTF/PN-4COTG (COT)	4	4	
PN-2COTD/PN-2COTE (COT)	2	2	
PN-CFTA (CFT)	1	10	
PN-CFTB (CFT)	1	10	
PN-4CSIA/PN-4CSIA-A (CSI)	4	16	
PN-2CSIA/PN-2CSIA-A/PN-2CSIH (CSI)	2	8	
PN-4DATC (DAT)	4	8	
PN-4DIDA (DIT)	4	4	
PN-4DITB (DIT)	4	4	
PN-2DITA (DIT)	2	2	
PN-DK00 (DK)	8	0	
PN-8DLCL/PN-8DLCP (DLC)	8	8	
PN-4DLCM/PN-4DLCT/PN-4DLCQ (DLC)	4	4	
PN-2DLCN (DLC)	2	2	
PN-2ILCA (ILC)	2	8	
PN-8IPLA (IP-PAD)	1	8	PN-8IPLA
		32	PN-8IPLA + PZ-24IPLA
PN-32IPLA/PN-32IPLA-A (IP-PAD)	1	32	
PN-8LCAA/PN-8LCAB/PN-8LCAD/ PN-8LCAE/PN-8LCAF/PN-8LCAK (LC)	8	8	
PN-4LCC/PN-4LCD-A/PN-4LCE/PN-4LCF/ PN-4LCK/PN-4LCL/PN-4LCV/PN-4LCW (LC)	4	4	
PN-4LLCB (LLC)	4	4	
PN-4LDTA (LDT)	4	4	
PN-2LDTA (LDT)	2	2	

Continued on next page

Number of Ports for Each Line/Trunk Card

L/T CARD	NUMBER OF CIRCUITS	NUMBER OF TIME SLOTS	REMARKS
PN-M10 (M10)	2	0	
PN-M13 (M13)	24	0	
PN-2ODTA/PN-2ODTB (ODT)	2	2	
PN-4ODTA (ODT)	4	4	
PN-8RSTG (PBR)	8	8	
PN-4RSTF/PN-4RSTF-A (SDT)	4	4	
PN-4RSTH (SDT)	4	4	
PN-TNTA (TNT)	2	4	
PN-16VCTA/PN-16VCTA-A (16VCT)	1	–	
PN-4VCTI (4VCT)	1	–	
PZ-8PFTB (PFT)	8	0	
PZ-VM00 (VM00)/PZ-VM00-M (VM00)	1	4	
PZ-VM01 (VM01)	4	4	
PZ-VM02 (VM02)	1	4	
PZ-VM03-M (VM03)	1	4	
PZ-VM04 (VM04)	8	4	
PZ-VM05 (VM05)	0	4	
PZ-VM06 (VM06)	0	4	
PZ-VM10-M (VM10)	1	4	

Number of Ports for Each Application Processor Card

×: Available –: Not available

AP CARD	AP HIGHWAY		NUMBER OF TIME SLOTS/ CARD	REMARKS
	Basic HW (128 time slots)	Expanded HW (128 time slots)		
PN-AP00-B (DBM)	–	–	0	For DBM
PN-AP00-B with AP00 program (AP00)	×	–	2	For SMDR/Hotel/MCI/PMS/CIS
PN-AP00-B/PN-AP00-D with MRCA program (AP00)	×	–	2	For SMDR/Hotel/MCI/CIS
PN-BRTA (BRT)	×	–	2	
PN-2BRTC (BRT)	×	–	4	
PN-2BRTK (BRT)	×	–	4	
PN-4BRTA-A (BRT)	×	×	8	
PN-24CCTA (CCT)	×	×	25	
PN-30CCTA (CCT)	×	×	32	
PN-CFTC (CFT)	×	×	32	
PN-CFTC-A (CFT)	×	×	32	
PN-CS00 (ATI)	×	–	1	For Large type ATTCON
PN-DAIA (DAIA)	–	–	–	Use FP Highway.
PN-DAIA-A (DAIA)	–	–	–	Use FP Highway.
PN-DAIB (DAIB)	–	–	–	Use FP Highway.
PN-DAIC (DAIC)	–	–	–	Use FP Highway.
PN-DAID (DAID)	–	–	–	Use FP Highway.
PN-DAID-A (DAID)	–	–	–	Use FP Highway.
PN-DAIE (DAIE)	–	–	–	Use FP Highway.
PN-DAIF (DAIF)	–	–	–	Use FP Highway.
PN-DTA (CCH)	×	×	1	
PN-DTA (CCT/PRT)	×	×	25	For 24CCT/24PRT
			32	For 30CCT/30PRT
PN-DTA (DTI)	×	×	24	For 24DTI
			31	For 30DTI

Continued on next page

Number of Ports for Each Application Processor Card

×: Available –: Not available

AP CARD	AP HIGHWAY		NUMBER OF TIME SLOTS/ CARD	REMARKS
	Basic HW (128 time slots)	Expanded HW (128 time slots)		
PN-DTB (CCH)	×	×	1	
PN-DTB (CCT/PRT)	×	×	25	For 24CCT/24PRT
			32	For 30CCT/30PRT
PN-DTB (DTI)	×	×	24	For 24DTI
			31	For 30DTI
PN-24DTA-A (DTI)	×	–	24	
PN-24DTA-C (DTI)	×	×	24	
PN-30DTC-A (DTI)	×	–	31	
PN-30DTC-C (DTI)	×	×	31	
PN-2ILCC (ILC)	×	×	8	
PN-8IPTA (SIP)	×	–	8-32	
PN-IPTB (IPT)	–	–	0	Not use Highway.
PN-24PRTA (PRT)	×	×	25	
PN-30PRTA (PRT)	×	×	32	
PN-4RSTB (MFR)	×	–	4	
PN-4RSTB-A (MFR)	×	–	4	
PN-4RSTC (CIR)	×	–	4	
PN-4RSTC-A (CIR)	×	–	4	
PN-SC00 (CCH)	×	–	1	
PN-SC01 (DCH)	×	–	1	
PN-SC03 (ICH)	×	–	4	
PN-SC03-A (CSH/ICH)	×	–	4	
PN-SC03-B (CSH/ICH)	×	–	4	
PN-SC03-C (CSH)	×	–	4	

PASSWORD ENTRY

In a system with password service, a maintenance person is required to enter a authorization level number (Password Level) and appropriate password prior to engaging in programming the system data with the MAT/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 MAT 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]
8 digits

– Programming without password is restricted.

NOTE: *For the details of data assignment for password service, refer to CME7, 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, 08-13, 15, 30, 35, 36
C	Level 3	CM08-13, 15, 30, 35
D	Level 2	CM10/14, 11, 30, 35
E	Level 1	CM10/14, 11
F	Level 0	CM10/14

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

$\boxed{\text{ST}} + 310 + \boxed{\text{DE}} + 0 + \boxed{\text{DE}} + 01 + \boxed{\text{EXE}}$

- Users in New Zealand

$\boxed{\text{ST}} + 310 + \boxed{\text{DE}} + 0 + \boxed{\text{DE}} + 15 + \boxed{\text{EXE}}$

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

NOTE 2: Initial data of CM31 Y=0>0 depends on each nation code of the MP program as follows:

For Australia/NZ : 01◀

For UK : 02◀

For North America : 03◀

For Asia/Africa/Europe/Latin America/Middle East/Russia : 04◀

NOTE 3: In case of EU, the initial data of CM31 Y=0>0 is same as North America (nation code 03). Therefore, you must set the nation code to 04 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 Calling [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 Initialization (reset of MP card)
 - Changing the MP card to Off-Line Mode
 - Changing the MP card to On-Line Mode after system data setting under Off-Line Mode
- 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.)
 - Executing the system data backup from MAT/CAT by CMEC Y=6>0:0
- Do not reset the MP card while “SYSD” lamp on the MP card is flashing.

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CHAPTER 3

COMMAND DESCRIPTION

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	44
COMMAND DESCRIPTION	45

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.

- ◀ : Initial data which is automatically loaded into the memory, after system initialization by setting position “B” on SW3 of the MP, followed by a reset.
- INITIAL : Commands which require a reset of the MP card after data setting.
- AP00 INITIAL : Commands which require a reset of the AP00 card after data setting.
- OFF LINE : Commands which can be used only under Off-Line mode of the MP card.
To set Off-Line mode,
 - (1) Set SW3 on the MP card to “2” or “3”.
 - (2) Press SW1 on the MP card.
- AP OFF LINE : Commands which can be used only under Off-Line mode of the AP00 card.
- CSH INITIAL : Commands which require a reset of the CSH card after data setting.
- DCH INITIAL : Commands which require a reset of the DCH card after data setting.
- ICH INITIAL : Commands which require a reset of the ICH card after data setting.
- DTI INITIAL : Commands which require a reset of the DTI/BRT/PRT/CCT card after data setting.
- CFT INITIAL : Commands which require a reset of the CFTC card after data setting.
- IPT INITIAL : Commands which require a reset of the IPT card after data setting.
- SIP INITIAL : Commands which require a reset of the SIP card after data setting.
- IP-PAD INITIAL : Commands which require a reset of the IP-PAD card after data setting.
- BRT INITIAL : Commands which require a reset of the BRT card after data setting.
- CIR INITIAL : Commands which require a reset of the CIR card after data setting.

Refer to Chapter 4 for details on default data when the Resident System Program is loaded by setting position “C” on SW3 of the MP, followed by a reset.

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

COMMAND CODE	TITLE:	OFF LINE
00	SYSTEM DATA MEMORY ALL CLEAR	
<p>FUNCTION:</p> <p>This command is used to confirm that system data memory (RAM) area can be written-in/read-out, and to assign the initial data to the RAM area.</p>		
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (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 SW3 to “B”, and depress SW1 on the MP card. In this case, the only functional port is LEN000/LEN00000, which is assigned as a CAT. (5) After clearing all system data memory by CM00>1/11/12/13/14, the initial data of CM05 is set according to the table on next page. 		

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

Clear Command		CM00>1 (8 PIMs)	CM00>11 (1 PIM + 7 Virtual PIMs)	CM00>12 (2 PIMs + 6 Virtual PIMs)	CM00>13 (3 PIMs + 5 Virtual PIMs)	CM00>14 (4 PIMs + 4 Virtual PIMs)
CM05						
CM05 Y=0 (Setting of FP/AP Card Type)	FP/AP No.	Card Type (NONE: No data)				
	00	00 (FP)	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	01	00 (FP)	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	02	00 (FP)	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	03	00 (FP)	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	16	NONE	00 (FP)	NONE	NONE	NONE
	17	NONE	00 (FP)	00 (FP)	00 (FP)	NONE
	18	NONE	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	19	NONE	00 (FP)	00 (FP)	00 (FP)	00 (FP)
	04-15, 20-59	NONE	NONE	NONE	NONE	NONE
	60-63	00 (Virtual FP for PS Station)	00 (Virtual FP for PS Station)	00 (Virtual FP for PS Station)	00 (Virtual FP for PS Station)	00 (Virtual FP for PS Station)
CM05 Y=4 (PIM No. con- trolled by each FP/ PIM No. accom- modates Virtual IPT)	FP/APNo.	PIM No./Virtual PIM No. (NONE: See NOTE 3.)				
	00	NONE	00 (PIM0)	NONE	NONE	NONE
	01	NONE	02 (PIM2)	02 (PIM2)	02 (PIM2)	NONE
	02	NONE	04 (PIM4)	04 (PIM4)	04 (PIM4)	04 (PIM4)
	03	NONE	06 (PIM6)	06 (PIM6)	06 (PIM6)	06 (PIM6)
	16	NONE	01 (PIM1)	NONE	NONE	NONE
	17	NONE	03 (PIM3)	03 (PIM3)	03 (PIM3)	NONE
	18	NONE	05 (PIM5)	05 (PIM5)	05 (PIM5)	05 (PIM5)
	19	NONE	07 (PIM7)	07 (PIM7)	07 (PIM7)	07 (PIM7)
	04-15, 20-63	NONE	NONE	NONE	NONE	NONE

Continued on next page

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

Clear Command		CM00>1 (8 PIMs)	CM00>11 (1 PIM + 7 Virtual PIMs)	CM00>12 (2 PIMs + 6 Virtual PIMs)	CM00>13 (3 PIMs + 5 Virtual PIMs)	CM00>14 (4 PIMs + 4 Virtual PIMs)
CM05						
CM05 Y=6 (Type of FP/AP) NOTE 1 NOTE 2	FP/APNo.	Type of FP/AP (NONE: No data)				
	00	2 (Built-in FP)	2 (Built-in FP)	2 (Built-in FP)	2 (Built-in FP)	2 (Built-in FP)
	01	NONE	0 (Virtual FP)	0 (Virtual FP)	3 (PN-CP15)	3 (PN-CP15)
	02	NONE	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)
	03	NONE	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)
	16	NONE	0 (Virtual FP)	3 (PN-CP15)	3 (PN-CP15)	3 (PN-CP15)
	17	NONE	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)	3 (PN-CP15)
	18	NONE	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)
	19	NONE	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)	0 (Virtual FP)
	04-15, 20-63	NONE	3 (AP Card)	3 (AP Card)	3 (AP Card)	3 (AP Card)
CM05 Y=8 (Site No. + PIM No. con- trolled by each FP/ PIM No. accom- modates Virtual IPT)	FP/APNo.	PIM No./Virtual PIM No. (NONE: See NOTE 3)				
	00	NONE	0000 (PIM0)	NONE	NONE	NONE
	01	NONE	0002 (PIM2)	0002 (PIM2)	0002 (PIM2)	NONE
	02	NONE	0004 (PIM4)	0004 (PIM4)	0004 (PIM4)	0004 (PIM4)
	03	NONE	0006 (PIM6)	0006 (PIM6)	0006 (PIM6)	0006 (PIM6)
	16	NONE	0001 (PIM1)	NONE	NONE	NONE
	17	NONE	0003 (PIM3)	0003 (PIM3)	0003 (PIM3)	NONE
	18	NONE	0005 (PIM5)	0005 (PIM5)	0005 (PIM5)	0005 (PIM5)
	19	NONE	0007 (PIM7)	0007 (PIM7)	0007 (PIM7)	0007 (PIM7)
	04-15, 20-63	NONE	NONE	NONE	NONE	NONE

Continued on next page

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

NOTE 1: MP Built-in FP is used for controlling Legacy line/trunk cards. Only FP No. 00 is available.

NOTE 2: Virtual FP is used for controlling Peer-to-Peer connection between D^{term} IPs on intra-office and via CCIS.

NOTE 3: CM05 Y=4/8 NONE data are as follows.

FP No. 00: PIM0 and PIM1

FP No. 01: PIM2 and PIM3

FP No. 02: PIM4 and PIM5

FP No. 03: PIM6 and PIM7

FP No. 04-63: No data

AP No. 04-15, 20-63: No data

ASSIGNMENT PROCEDURE:

ST + 00 + DE + MEMORY AREA
 DESIGNATION + DE + CCC + EXE
 (1/2 digits)

DATA TABLE:

1ST DATA		2ND DATA	
DATA	MEANING	DATA	MEANING
1	System data memory all clear for the TDSW-based PBX system (8 PIMs)	CCC	Clear
11	System data memory all clear for the IP-based PBX system (1 PIM + 7 Virtual PIMs)	CCC	Clear
12	System data memory all clear for the IP-based PBX system (2 PIMs + 6 Virtual PIMs)	CCC	Clear
13	System data memory all clear for the IP-based PBX system (3 PIMs + 5 Virtual PIMs)	CCC	Clear
14	System data memory all clear for the IP-based PBX system (4 PIMs + 4 Virtual PIMs)	CCC	Clear

Continued on next page

COMMAND CODE		TITLE:	
00		SYSTEM DATA MEMORY ALL CLEAR	
(OFF LINE)			
1ST DATA		2ND DATA	
DATA	MEANING	DATA	MEANING
90	Execute the office data conversion [Series 3200 R6.2 (R6.2)]	0	Start converting
		1	Always displayed after first data "90" is typed NOTE 2
<p>NOTE 1: When upgrading the software of the system from Series 3300 or before to Series 3400 or later this data is required.</p> <p>NOTE 2: When first data "90" is typed, second data "1" is displayed. Also while converting the office data, "1" is displayed.</p> <p>NOTE 3: There is no problem even if the office data conversion is executed again and again.</p>			

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:		
$\boxed{\text{ST}} + 01 + \boxed{\text{DE}} + \text{CLEAR DESIGNINATION (2 digits)} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$		
DATA TABLE:		
CLEAR DESIGNATION	SYSTEM DATA TO BE CLEARED	REMARKS
08	CM08: Basic Service Feature	
20	CM20: Numbering Plan 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 MP	
76	CM76: Digit Conversion on DID Call	
85	CM85: Maximum Digits on C.O. Calls	
8A	CM8A: LCR/Toll Restriction Development Table	

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 $\boxed{\text{ST}} + \boxed{02} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (0-2) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (4/6 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$ (2) Reading out of Daylight Saving Time $\boxed{\text{ST}} + \boxed{02} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (3) \end{matrix} + \boxed{\text{DE}} + \text{2ND DATA}$	

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

DATA TABLE:

1ST DATA		2ND DATA	
DATA	MEANING	DATA	MEANING
0	Setting of Calendar Year	YYYY	Calendar Year YYYY: Year (2000-2099)
1	Setting of Date (Month, Day, Day of Week)	MMDDWW	Date MM: Month (01-12) DD : Day (01-31) WW: Day of Week (00-06) SUN : 00 THU: 04 MON: 01 FRI : 05 TUE : 02 SAT : 06 WED: 03
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	Time HH : Hour (00-23) MM: Minute (00-59) SS : Second (00-59)
3	Reading out of Daylight Saving Time in Main Site [Series 3600]	HH:MM:SS	Daylight Saving Time HH : Hour (00-23) MM: Minute (00-59) SS : Second (00-59)

COMMAND CODE	TITLE:
03	LOG IN/LOG OUT OF PASSWORD MODE
<p>FUNCTION:</p> <p>This command is used to enter a password which allows the authorized personnel to access commands in accordance with preassigned authorization levels.</p>	
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (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. 	
<p>ASSIGNMENT PROCEDURE:</p> <p>To log in the password mode and enter the password</p> $\boxed{\text{ST}} + 03 + \boxed{\text{DE}} + \text{PASSWORD LEVEL (0-7)} + \boxed{\text{DE}} + \text{PASSWORD (Maximum 8 digits)} + \boxed{\text{EXE}}$ <p>To log off the password mode</p> $\boxed{\text{ST}} + 03 + \boxed{\text{DE}} + 9 + \boxed{\text{DE}} + \text{CCCCCCC} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
04	LANGUAGE INDICATED ON D ^{term} /ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI
FUNCTION: This command selects the language that is displayed on the D ^{term} /ATTCON/DESKCON LCDs, the purpose of the Caller ID sender, and the connection port for MCI (Message Center Interface).	
PRECAUTION: None	
ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + 04\text{YY} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1/2 digits)} \end{matrix} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
04	LANGUAGE INDICATED ON D^{term}/ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI

DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
00	00	Display language for D ^{term} / ATTCON/DESKCON LCD (System Base) INITIAL	0	Japanese	
			1	English	
			2	French	
			3	Spanish	
			4	Portuguese	
			5	German	
			6	Italian	
			7◀	English [Series 3200 R6.2 (R6.2) or before]	
			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 (Europe) [Series 3800]	
			31◀	English [Series 3300 or later]	

NOTE: When using Series 3600 software or later, a reset of the MP card is not required. When changing the data with online, the data is valid after the DLC card is unplugged and plugged in or pull out and reconnect the modular connector of the D^{term}.

Continued on next page

COMMAND CODE	TITLE:
04	LANGUAGE INDICATED ON D^{term}/ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
00	01	DTG for D ^{term} IP (System-basis) [Series 3200 R6.2 (R6.2)]	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	
			13	China	
			14	Thailand	
			15	Brazil	
			16	Netherlands	
			17	Germany	
			18	Italy	
			19	Austria	
			20	Belgium	
			21	Spain	
			22	Sweden	
			23	UK	
			24	Denmark	
			25	Greece	
			26	Switzerland	
			27	South Africa	
			NONE	Not used	

For EU

Continued on next page

COMMAND CODE	TITLE:
04	LANGUAGE INDICATED ON D^{term}/ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
01	01	Connection port for MCI	0 1 2 7◀	RS0 on MP RS1 on MP PN-AP00-B/PN-AP00-D with MRCA program [Series 3300] PN-AP00-B with AP00 program	
	02	Purpose of Caller ID sender (PN-4RSTF/PN-4RSTF-A/PN-4RSTH) [North America/EU]	0 7◀	Caller ID-Station No data	CM08>507 CM10/ CM14>C2XX CM45 Y=5 CM50 Y=00>8
	03	Destination to send an MP call information [Series 3300]	2 7◀	PN-AP00-B/PN-AP00-D with MRCA program Not sent	
	05	Destination to send a Built-in SMDR call information [Series 3400]	0 1 7◀	SMDR terminal via LAN port PMS via LAN port SMDR terminal via RS port	
	06	Destination to send a call information which received from Local Office [Series 3400]	0 3◀	SMDR terminal via LAN port PN-AP00-B/PN-AP00-D with MRCA program (CM04 Y=01>03: 2) PN-AP00-B with AP00 program (CM04 Y=01>03: 7)	CM04 Y=01>03
	07	SMDR Message Format of Built-in SMDR on RS-232C and Local Office for Centralized Billing-CCIS [Series 3400]	00 15◀	Extended NEAX 2400 IMS Format Former NEAX 2400 IMS Format	
	08	SMDR Message Format of Built-in SMDR on IP [Series 3400]	00 15◀	Extended NEAX 2400 IMS Format Former NEAX 2400 IMS Format	

Continued on next page

COMMAND CODE	TITLE:
04	LANGUAGE INDICATED ON D^{term}/ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
01	09	SMDR Message Format of Center Office for Centralized Billing-CCIS [Series 3400]	00 15◀	Extended NEAX 2400 IMS Format Former NEAX 2400 IMS Format	
	10	Control method for PMS [Series 3400]	0 1 3◀	MP PN-AP00-B/PN-AP00-D with MRCA program PN-AP00-B with AP00 program	
10	00	A-law/μ-law for the Main Site [For EU] [Series 3200 R6.2 (R6.2)]	0 1 2 3◀	A-law μ-law Not used Depends on the SW2-1 on PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B or the Key ROM (SP-3722 IPS KYUS PROG-A1) on PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D	

NOTE 1: When using PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B, set the 2nd data to 3 and set the A-law/μ-law by the SW2-1.

NOTE 2: When using PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D, the system is set to μ-law automatically. Set the 2nd data to 0 for A-law.

NOTE 3: Set the same value as Remote Site (CM04 Y=11-25). You cannot set both of A-law and μ-law in the same Remote PIM over IP.

NOTE 4: When CM04 Y=10>00 is set to 3, A-law/μ-law setting is decided in the following order.

1. Setting by Key ROM
2. Setting of SW2-1 of the MP

Continued on next page

COMMAND CODE	TITLE: LANGUAGE INDICATED ON D ^{term} /ATTCON/DESKCON LCD, PURPOSE OF CALLER ID SENDER, CONNECTION PORT FOR MCI
04	

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
11 ∩ 40	00	A-law/μ-law for the Remote Site Y=11: Remote Site No. 01 ∩ Y=40: Remote Site No. 30 [For EU] [Series 3200 R6.2 (R6.2)]	0 1 2 3◀	A-law μ-law Not used Depends on the SW2-1 on PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B or the Key ROM (SP-3722 IPS KYUS PROG-A1) on PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D	

- NOTE 1:** When using PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B, set the 2nd data to 3 and set the A-law/μ-law by the SW2-1.
- NOTE 2:** When using PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D, the system is set to μ-law automatically. Set the 2nd data to 0 for A-law.
- NOTE 3:** Set the same value as Main Site (CM04 Y=10). You cannot set both of A-law and μ-law in the same Remote PIM over IP.
- NOTE 4:** When CM04 Y=10>00 is set to 3, A-law/μ-law setting is decided in the following order.
1. Setting by Key ROM
2. Setting of SW2-1 of the MP

COMMAND CODE	TITLE:						
05	AP/FP CARD TYPE, HIGHWAY CHANNEL						
(INITIAL)							
FUNCTION:							
This command is used to designate the type of application processor (AP)/firmware processor (FP) card installed.							
PRECAUTION:							
(1) This command requires a system reset after data setting.							
(2) The available value of first data of CM05 (FP/AP number) depends on the software version used in the system. Assign the correct FP/AP number to each FP/AP, referring to tables below.							
[For Series 3200 R6.1 software or before]							
×: Available –: Not available							
FP/AP TYPE \ FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	×	–	–	–	–	–	–
DAIA/DAID card	–	×	–	×	–	–	–
Virtual FP for D ^{term} IP	–	×	–	×	–	–	–
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT)	–	–	×	–	×	–	–
[For Series 3200 R6.2 software]							
×: Available –: Not available							
FP/AP TYPE \ FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	×	–	–	–	–	–	–
Virtual FP for D ^{term} IP	–	×	×	×	×	–	–
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT)	–	–	×	–	×	–	–
Continued on next page							

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

- For Remote PIM over IP

×: Available –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–
	Remote Site	–	×	×	×	×	–	–
Virtual FP for D ^{term} IP	Main Site/	–	×	×	×	×	–	–
	Remote Site	–	×	×	×	×	–	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT)		–	–	×	–	×	–	–

[For Series 3300 software]

×/Δ: Available **NOTE** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP		×	–	–	–	–	–	–
Virtual FP for D ^{term} IP		–	×	Δ	×	Δ	Δ	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/Virtual CSH [For PHS])		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station		–	Δ	–	–	–	–	×

NOTE: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE							
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×
Virtual FP for D ^{term} IP	Main Site	–	×	Δ	×	Δ	Δ
	Remote Site	–	Δ	Δ	Δ	Δ	×
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT/Virtual CSH [For PHS])	–	–	Δ	–	Δ	×	–
Virtual FP for PS Station	–	Δ	–	–	–	–	×

[For Series 3400/3500/3600/3700 software]

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE							
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	×	–	–	–	–	–	–
Virtual FP for D ^{term} IP	–	×	Δ	×	Δ	Δ	–
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS] / Virtual CSH for WLAN) NOTE 3	–	–	Δ	–	Δ	×	–
Virtual FP for PS Station/ Virtual FP for WLAN Station NOTE 3	–	Δ	–	–	–	×	×

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations/WLAN stations or less and setting of the FP number (56-63), when providing 257 PS stations/WLAN stations or more.

NOTE 3: Virtual CSH for WLAN and Virtual FP for WLAN Station are available for Series 3600 software or later.

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
Virtual FP for D ^{term} IP/ Virtual FP for User Mobility NOTE 3	Main Site	–	×	Δ	×	Δ	Δ	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS]/ Virtual CSH for WLAN) NOTE 4		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station/ Virtual FP for WLAN Station NOTE 4		–	Δ	–	–	–	×	×

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations or less and setting of the FP number (56-63), when providing 257 PS stations or more.

NOTE 3: Virtual FP for user mobility is available for Series 3500 software or later.

NOTE 4: Virtual CSH for WLAN and Virtual FP for WLAN Station are available for Series 3600 software or later.

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

[For Series 3800 software or later]

×/Δ: **Available NOTE 1** –: **Not available**

FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63	64-93
FP/AP TYPE								
FP card (PN-CP15)	–	×	–	×	–	–	–	–
MP built-in FP	×	–	–	–	–	–	–	–
Virtual FP for D ^{term} IP	–	×	Δ	×	Δ	Δ	–	–
AP card	–	–	×	–	×	–	–	–
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS] / Virtual CSH for WLAN)	–	–	Δ	–	Δ	×	–	–
Virtual FP for PS Station/ Virtual FP for WLAN Station	–	Δ	–	–	–	×	×	–

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations/WLAN stations or less and setting of the FP number (56-63), when providing 257 PS stations/WLAN stations or more.

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available ◇: Available only for partial APs

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63	64-93
FP/AP TYPE									
FP card (PN-CP15)		–	×	–	×	–	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–	–
Virtual FP for D ^{term} IP/ Virtual FP for User Mobility	Main Site	–	×	Δ	×	Δ	Δ	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–	–
AP card	Main Site	–	–	×	–	×	–	–	–
	Remote Site	–	–	×	–	×	–	–	◇ NOTE 3
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS] / Virtual CSH for WLAN)		–	–	Δ	–	Δ	×	–	–
Virtual FP for PS Station/ Virtual FP for WLAN Station		–	Δ	–	–	–	×	×	–
							NOTE 2		

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations or less and setting of the FP number (56-63), when providing 257 PS stations or more.

NOTE 3: Only PRT and CIR (PN-4RSTC-A) cards accommodated in Remote Site are able to be used.

Continued on next page

COMMAND CODE	TITLE:		INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL		()
(3) The AP numbers available for each AP card are as follows: ×: Available –: Not available			
AP CARD	AP No. 04-15	AP No. 20-31	REMARKS
PN-AP00-A (DBM)	×	–	
PN-AP00-B (AP00/DBM)	×	×	
PN-AP00-D (AP00)	×	×	
PN-BRTA (BRT)	×	–	
PN-2BRTC (BRT)	×	×	
PN-2BRTK (BRT)	×	×	
PN-4BRTA-A (BRT)	×	×	
PN-24CCTA (CCT)	×	×	
PN-30CCTA (CCT)	×	×	
PN-CFTC (CFT)	×	×	
PN-CFTC-A (CFT)	×	×	
PN-CS00 (ATI)	×	–	For Large type ATTCON
PN-DAIA (DAIA)	–	–	Use FP No. 01-03.
PN-DAIA-A (DAIA)	–	–	Use FP No. 01-03, 16-19.
PN-DAIB (DAIB)	–	–	Use FP No. 00.
PN-DAIC (DAIC)	–	–	Does not need AP number.
PN-DAID (DAID)	–	–	Use FP No. 01-03.
PN-DAID-A (DAID)	–	–	Use FP No. 01-03, 16-19.
PN-DAIE (DAIE)	–	–	Use FP No. 00.
PN-DAIF (DAIF)	–	–	Does not need AP number.
PN-DTA (CCH/CCT/DTI/ PRT)	×	×	
PN-DTB (CCH/CCT/DTI/ PRT)	×	×	
PN-24DTA-A (DTI)	×	×	
PN-24DTA-C (DTI)	×	×	
PN-30DTC-A (DTI)	×	×	

Continued on next page

COMMAND CODE	TITLE:	
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	(INITIAL)

×: Available -: Not available

AP CARD	AP No. 04-15	AP No. 20-31	REMARKS
PN-30DTC-C (DTI)	×	×	
PN-2ILCC (ILC)	×	×	
PN-8IPTA (SIP)	×	×	
PN-IPTB (IPT)	×	×	
PN-24PRTA (PRT)	×	×	
PN-30PRTA (PRT)	×	×	
PN-4RSTB (MFR)	×	×	
PN-4RSTB-A (MFR)	×	×	
PN-4RSTC (CIR)	×	-	
PN-4RSTC-A (CIR)	×	-	
PN-SC00 (CCH)	×	×	
PN-SC01 (DCH)	×	×	
PN-SC03 (ICH)	×	-	
PN-SC03-A (CSH/ICH)	×	×	
PN-SC03-B (CSH/ICH)	×	×	
PN-SC03-C (CSH)	×	×	

Continued on next page

COMMAND CODE	TITLE:	
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	INITIAL

(4) The SENSE and changeover switch on each AP card should be set to the AP number assigned by this command as follows.

- PN-AP00-A, PN-BRTA, PN-CS00, PN-4RSTC, PN-4RSTC-A, PN-SC03 are set as follows:

SENSE SWITCH	4	5	6	7	8	9	A	B	C	D	E	F
AP No.	04	05	06	07	08	09	10	11	12	13	14	15

- PN-AP00-B, PN-AP00-D, PN-2BRTC, PN-2BRBK, PN-4BRTA-A, PN-CFTC, PN-CFTC-A, PN-24CCTA, PN-30CCTA, PN-DTA, PN-DTB, PN-24DTA-A, PN-24DTA-C, PN-30DTC-A, PN-30DTC-C, PN-8IPTA, PN-IPTB, PN-24PRTA, PN-30PRTA, PN-4RSTB, PN-4RSTB-A, PN-SC00, PN-SC01, PN-SC03-A, PN-SC03-B, PN-SC03-C are set as follows:

SENSE SWITCH		4	5	6	7	8	9	A	B	C	D	E	F
AP No.	Changeover SW is ON	04	05	06	07	08	09	10	11	12	13	14	15
	Changeover SW is OFF	20	21	22	23	24	25	26	27	28	29	30	31

Continued on next page

COMMAND CODE	TITLE: AP/FP CARD TYPE, HIGHWAY CHANNEL		INITIAL
05			
AP CARD	Changeover SW		
PN-AP00-B	SW1-4	ON : AP No. 04-15 OFF: AP No. 20-31	
PN-AP00-D	SW1-4		
PN-2BRTC	SW11-4		
PN-2BRTK	SW11-4		
PN-4BRTA-A	SW4-8		
PN-24CCTA	SW1-4		
PN-30CCTA	SW-8		
PN-CFTC	SW1-4		
PN-CFTC-A	SW1-4		
PN-DTA	SW1-4		
PN-DTB	SW1-4		
PN-24DTA-A	SW-8		
PN-24DTA-C	SW1-4		
PN-30DTC-A	SW-8		
PN-30DTC-C	SW-8		
PN-2ILCC	SW2-8		
PN-8IPTA	SW0-4		
PN-IPTB	SW1-4		
PN-24PRTA	SW1-4		
PN-30PRTA	SW-8		
PN-4RSTB	SW-8		
PN-SC00	SW0-4		
PN-SC01	SW0-4		
PN-SC03-A	SW1-4		
PN-SC03-B	SW1-4		
PN-SC03-C	SW1-4		

Continued on next page

COMMAND CODE	TITLE:	
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	INITIAL

(5) The AP Highway channel available for each AP card and the number of time slots per card are shown below.

×: Available -: Not available

AP CARD	AP HIGHWAY		NUMBER OF TIME SLOTS /CARD	REMARKS
	Basic HW (128 time slots)	Expanded HW (128 time slots)		
PN-AP00-A/PN-AP00-B (DBM)	-	-	2	For DBM
PN-AP00-B/PN-AP00-D (AP00)	×	-	2	For SMDR/Hotel/CIS
PN-BRTA (BRT)	×	-	2	
PN-2BRTC (BRT)	×	-	4	
PN-2BRTK (BRT)	×	-	4	
PN-4BRTA-A (BRT)	×	×	8	
PN-24CCTA (CCT)	×	×	25	
PN-30CCTA (CCT)	×	×	32	
PN-CFTC (CFT)	×	×	32	
PN-CFTC-A (CFT)	×	×	32	
PN-CS00 (ATI)	×	-	1	For Large type ATTCON
PN-DAIA (DAIA)	-	-	-	Use FP Highway.
PN-DAIA-A (DAIA)	-	-	-	Use FP Highway.
PN-DAIB (DAIB)	-	-	-	Use FP Highway.
PN-DAIC (DAIC)	-	-	-	Use FP Highway.
PN-DAID (DAID)	-	-	-	Use FP Highway.
PN-DAID-A (DAID)	-	-	-	Use FP Highway.
PN-DAIE (DAIE)	-	-	-	Use FP Highway.
PN-DAIF (DAIF)	-	-	-	Use FP Highway.
PN-DTA (CCH/CCT/DTI/PRT)	×	×	24	
PN-DTB (CCH/CCT/DTI/PRT)	×	×	24	

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

×: Available -: Not available

AP CARD	AP HIGHWAY		NUMBER OF TIME SLOTS /CARD	REMARKS
	Basic HW (128 time slots)	Expanded HW (128 time slots)		
PN-24DTA-A (DTI)	×	-	24	
PN-24DTA-C (DTI)	×	×	24	
PN-30DTC-A (DTI)	×	-	31	
PN-30DTC-C (DTI)	×	×	31	
PN-2ILCC (ILC)	×	×	8	
PN-8IPTA (SIP)	×	-	8-32	
PN-IPTB (IPT)	-	-	0	Does not use Highway.
PN-24PRTA (PRT)	×	×	25	
PN-30PRTA (PRT)	×	×	32	
PN-4RSTB (MFR)	×	-	4	
PN-4RSTB-A (MFR)	×	-	4	
PN-4RSTC (CIR)	×	-	4	
PN-4RSTC-A (CIR)	×	-	4	
PN-SC00 (CCH)	×	-	1	
PN-SC01 (DCH)	×	-	1	
PN-SC03 (ICH)	×	-	4	
PN-SC03-A (CSH/ICH)	×	-	4	
PN-SC03-B (CSH/ICH)	×	-	4	
PN-SC03-C (CSH)	×	-	4	


COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

ASSIGNMENT PROCEDURE:

ST + 05Y + **DE** + AP/FP/VIRTUAL AP NUMBER (2 digits) + **DE** + DATA (1-6 digits) + **EXE**

DATA TABLE:

◀: Initial Data

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
0	00-93  See PRECAUTION (2), (4)	00	FP/MP built-in FP/Virtual FP/DAIA/DAID	CM05 Y=2-5 CM14	
		01	Large type ATTCON Interface (PN-CS00)	CM06	
		04	SMDR/CIS/Hotel/PMS/MCI (PN-AP00-B/ PN-AP00-D)		
		08	MFR/MFC/911 Sender Trunk (PN-4RSTB/ PN-4RSTB-A)/CIR Trunk (PN-4RSTC/ PN-4RSTC-A)	CM06	
		09	DTI (PN-30DTC/PN-24DTA/PN-DTA/ PN-DTB)/CFT (PN-CFTC/PN-CFTC-A)	CM07, CMAA	
		10	BRT(PN-BRTA/PN-2BRTC/PN-2BRTK/ PN-4BRTA-A)	CM07, CMAA	
		11	CCH (PN-SC00/PN-DTA/PN-DTB)/CCT (PN-24CCTA/PN-30CCTA/PN-DTA/PN-DTB)	CM06, CMA7	
		12	DCH (PN-SC01/PN-24PRTA/PN-30PRTA/ PN-DTA/PN-DTB) for PRI	CM06, CMAA CMA9	
		13	ICH (PN-SC03/PN-SC03-A/PN-SC03-B/ PN-2ILCC) for ISDN terminal	CM06, CMAC	
		23	CSH (PN-SC03-A/PN-SC03-B/PN-SC03-C) [For PCS]		
		29	CSH (PN-SC03-A/PN-SC03-B/PN-SC03-C)/ Virtual CSH [For PHS]		
		32	DCH (PN-SC01) for Q-SIG		

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

◀: Initial Data

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
0	00-93 See PRECAUTION (2), (4)	34	DBM (PN-AP00-A/PN-AP00-B) for Roaming [For PCS]		
		35	DCH (PN-SC01) for Roaming [For PCS]		
		36	DCH (PN-30PRTA/PN-DTA/PN-DTB) for Q-SIG [Series 3200 R6.2 (R6.2)]	CMAA	
		37	Virtual CSH for WLAN [Series 3600]		
		38	IPT (PN-IPTB)/Virtual IPT NOTE: Two AP numbers for the Virtual IPT can be set to the system.		
		39	H.323 IPT (PN-IPTB)	CM06 Y=07, 17	
		45	Do Not Disturb group set/cancel at specified timing in advance (PN-AP00-B/PN-AP00-D [with MRCA program]) [North America Only] [Series 3300]		
		46	SIP (PN-8IPTA) [Series 3600]	CM06 Y=07 CM07 Y=01	
		NONE◀	No data		
1	04-15, 20-31, 64-93 See PRECAUTION (4)	0	Use Expanded AP Highway channel (128 time slots)		
		1◀	Use Basic AP Highway channel (128 time slots) See PRECAUTION (5)		

Continued on next page

COMMAND CODE		TITLE:			INITIAL	
05		AP/FP CARD TYPE, HIGHWAY CHANNEL				
◀: Initial Data						
Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS	
		DATA	MEANING			
2	00-63 ☞ See PRECAUTION (2)	XZZZ NONE◀	X : LT Highway number 0-3 allocated to FP card/MP built-in FP/DAIA/DAID card ZZZ : 000-128: Maximum number of LT Highway channels used for FP card/MP built-in FP/DAIA/DAID card FP No. 00-03: LT Highway number 0-3 Number of each channel is 128 FP No. 16-19: No channel is assigned	CM05 Y=4, 5 CM14	NOTE 1 NOTE 2 NOTE 3 NOTE 4	
3	00-63 ☞ See PRECAUTION (2)	000 ? 128 NONE◀	Number of port controlled by each FP Number of port (every 8 port) NOTE 6 NOTE 7 When the FP No. is set to 00-03: 128 ports When the FP No. is set to 04-31: 0 port [Series 3200 R6.2 (R6.2)]		NOTE 5 NOTE 15 NOTE 16 NOTE 17	
4	00-63 ☞ See PRECAUTION (2)	00 ? 07 08 ? 15 NONE◀	PIM/Virtual PIM number 0-15 controlled by each FP PIM0/Virtual PIM number 0 ? PIM7/Virtual PIM number 7 NOTE 8 Virtual PIM number 8 ? Virtual PIM number 15 FP No. 00 : PIM0 and PIM1 FP No. 01 : PIM2 and PIM3 FP No. 02 : PIM4 and PIM5 FP No. 03 : PIM6 and PIM7 FP No. 16-19: Control no PIM NOTE 9	CM05 Y=2, 5 CM14	NOTE 1 NOTE 2 NOTE 10 NOTE 14	
		12 13 NONE◀	Virtual PIM number 12/13 controlled by Virtual AP Virtual PIM number 12 Virtual PIM number 13 No data	CM05 Y=0, 6 CM06 Y=07 CM14	NOTE 11	

Continued on next page


COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

◀: Initial Data

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
5	00-63 ☞ See PRECAUTION (2)	0 1◀	Kind of FP program DAIA/DAID card FP card	CM05 Y=2, 4 CM14	NOTE 4
6	00-93 ☞ See PRECAUTION (2)	0 1 2 3◀	Signaling Converter (Virtual FP/Virtual IPT/ Virtual CSH) Remote Connection MP built-in FP FP/DAIA/DAID card/PS Accommodation mode/AP card	CM05 Y=2, 5 CM06 Y=07 CM14	NOTE 12
7	00-93 ☞ See PRECAUTION (2)	0 2 3◀	Type of FP/AP accommodated in the Remote Site Virtual FP/Virtual CSH MP built-in FP AP card [Series 3200 R6.2 (R6.2)]	CM05 Y=6	NOTE 13


Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
8	00-93  See PRECAUTION (2)	XX ZZ or XX ZZZZ	PIM (Physical PIM/Virtual PIM) number controlled by each FP [When FP for Main Site/Remote Site controls 1 PIM] XX ZZ XX: 00: Main Site 01-15: Remote Site No. 01-15 [Series 3200 R6.2 (R6.2) software and Series 3300 software] 01-30: Remote Site No. 01-30 [Series 3400 software] ZZ : 00-07: Physical PIM No. for Main Site 00, 01: Physical PIM No. for Remote Site [When FP for Remote Site controls 2 PIMs] XX ZZZZ XX : 00: Main Site 01-15: Remote Site No. 01-15 [Series 3200 R6.2 (R6.2) software and Series 3300 software] 01-30: Remote Site No. 01-30 [Series 3400 software] ZZZZ : 0001: Physical PIM No. NOTE: <i>When the number of PIM controlled by FP for Main Site is set to 2 PIMs, set the second data to NONE.</i>		

Continued on next page


COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
8	00-93  See PRECAUTION (2)	XX ZZ or XX ZZZZ	PIM number controlled by Virtual FP for D ^{term} IP XX ZZ XX: 00: Main Site 01-15: Remote Site No. 01-15 [Series 3200 R6.2 (R6.2) software and Series 3300 software] 01-30: Remote Site No. 01-30 [Series 3400 software] ZZ : 00-15: Virtual PIM No.		
		XX ZZ or XX YY ZZ	Virtual PIM number controlled by Virtual FP for PS Station/Virtual FP for WLAN Station XX ZZ XX: 00: Main Site ZZ : 08-11, 14, 15: Virtual PIM No. [Series 3400 software]		
		When AP card/Virtual CSH is accommodated at Remote Site XX ZZ XX: 01-15: Remote Site No. 01-15 [Series 3200 R6.2 (R6.2) software and Series 3300 software] 01-30: Remote Site No. 01-30 [Series 3400 software] ZZ : 99: AP card			


Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	

◀: Initial Data

Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
8	00-93  See PRECAUTION (2)	XX ZZ or XX YY ZZ	When AP card (PRT/CIR) is accommodated at Remote Site XX YY ZZ XX: 01-30: Remote Site No. 01-30 YY: 99: AP card ZZ : 31: AP No. of PRT card/15: AP No. of CIR card [Series 3800 software] NOTE: <i>When multiple PRT cards are accommodated in the same site, AP number set by SENSE switch should not overlap.</i>		
		Virtual PIM number accommodates Virtual AP card XX ZZ XX: 00: Main Site ZZ : 12/13: Virtual PIM No. for Virtual IPT			
		NONE◀	See the table on next page.		

Continued on next page

COMMAND CODE		TITLE:			
05		AP/FP CARD TYPE, HIGHWAY CHANNEL		INITIAL	
Y	AP/FP/ VIRTUAL AP NUMBER	SETTING DATA		RELATED COMMAND	REMARKS
		DATA	MEANING		
8		FP/AP No.	FP/AP KIND	ACCOMMODATED SITE (SITE No.)	PIM (PIM No.)
	00	FP	Main Site (00)	PIM0/PIM1 (0001)	
	01	FP	Main Site (00)	PIM2/PIM3 (0203)	
	02	FP	Main Site (00)	PIM4/PIM5 (0405)	
	03	FP	Main Site (00)	PIM6/PIM7 (0607)	
	04-31	FP	Not used	Not used	
	04-31	AP	Main Site (00)	No data (99)	
	<p>NOTE 1: When the Remote site number 01-30 is set, the system recognizes that the as FP/AP is accommodated at Remote site.</p> <p>NOTE 2: The PIM number is a serial number within each site.</p> <p>NOTE 3: When CM05 Y=4 is set, FP/AP is set as the FP/AP accommodated in the PIM at Main site.</p> <p>NOTE 4: When setting the station number assigned by CM10/14 to the Physical PIM/Virtual PIM, the setting data of CM05 Y=8 cannot be changed. When changing the data of CM05 Y=8, clear the station number that is assigned to the Physical PIM/Virtual PIM.</p> <p>NOTE 5: You should set one PIM to the FP number of Virtual FP. If two PIMs are set to the FP number of Virtual FP, the Virtual FP cannot operate normally.</p>				
04-15, 20-31	XX ZZ	Setup of Virtual PIM which accommodates Virtual AP XX: 00: Site Number (When the system is main site of Remote PIM over IP) ZZ: 12/13: Virtual PIM number [Series 3200 R6.2 (R6.2)]	CM50 Y=0	NOTE 11	
9	00-63  See PRECAUTION (2)	000 ? 064 NONE ◀	Number of Virtual Station Ports used by visitor station in visitor site Number of Virtual Station Ports for Visitor No data [Series 3500]	CM14	NOTE 16

Continued on next page

COMMAND CODE	TITLE:	INITIAL
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	
<p>NOTE 1: <i>CM05 Y=2 is effective only for FP/DAIA/DAID card and MP built-in FP. CM05 Y=4 is effective only for FP/DAIA/DAID card, MP built-in FP and Virtual FP. Available FP numbers for each FP/DAIA/DAID card are as follows: PN-CP15/PN-CP17: FP No. 01-03 PN-DAIA-A/PN-DAID-A: FP No. 01-03, 16-19</i></p> <p>NOTE 2: <i>FP No. 00 is used for MP built-in FP.</i></p> <p>NOTE 3: <i>Assign LT Highway number to each FP number as follows: FP No. 00/16: LT Highway number 0 FP No. 01/17: LT Highway number 1 FP No. 02/18: LT Highway number 2 FP No. 03/19: LT Highway number 3</i></p> <p>NOTE 4: <i>When no Remote PIM is provided, do not set this data.</i></p> <p>NOTE 5: <i>When the Remote PIM over IP feature is not provided for the system, this data setting is not required.</i></p> <p>NOTE 6: <i>Set this data to the FP number of FP card/MP built-in FP. Do not set this data to the AP/FP number of Virtual FP/AP.</i></p> <p>NOTE 7: <i>Be sure to set every 8 port. If the setting value of the second data cannot be divided by 8, the value of the remainder is omitted and not assigned to the FP number.</i></p> <p>NOTE 8: <i>Assign the Virtual PIM No. to each FP number as follows. FP No. 00: NONE FP No. 01: Virtual PIM No. 02 FP No. 02: Virtual PIM No. 04 FP No. 03: Virtual PIM No. 06 FP No. 16: Virtual PIM No. 01 FP No. 17: Virtual PIM No. 03 FP No. 18: Virtual PIM No. 05 FP No. 19: Virtual PIM No. 07</i></p> <p>NOTE 9: <i>When the FP number 16-19 are used, you must assign the PIM number 0-7 to the FP number 00-03. For example; (1) 00: FP No. 00 (2) 00: Controls PIM0 (1) 16: FP No. 16 (2) 04: Controls PIM4</i></p>		
Continued on next page		

COMMAND CODE	TITLE:											
05	AP/FP CARD TYPE, HIGHWAY CHANNEL	(INITIAL)										
<p>NOTE 10: We recommend the setting of the PIM number of Virtual PIM controlled by the FP number by CM05 Y=8, when using Series 3200 R6.2 (R6.2) software or later.</p> <p>NOTE 11: When setting the Virtual IPT to Virtual PIM, Virtual PIM number 12 must be set first. After setting Virtual PIM number 12, set the number 13, if required.</p> <p>NOTE 12: Do not set the second data to "1" (accommodated in Remote Site), when the Remote PIM over IP feature is not provided for the system.</p> <p>NOTE 13: When accommodating the AP number in a Remote Site, set CM05 Y=6 to 1.</p> <p>NOTE 14: CM05 Y=4/8 cannot be changed when the station number has been already assigned by CM10/CM14. When you change CM05 Y=4/8, clear the station number set by CM10/CM14 before changing.</p> <p>NOTE 15: Be sure to set the number of port every 8 port. If the setting value of second data cannot be divided by 8, the value that the remainder is omitted that has been assigned to the FP number.</p> <p>NOTE 16: The port number can be used from the port number 000 up to the value set by this command. For example, when setting the number of ports to 64 by this command, the port number can be used from 000 to 063.</p> <p>NOTE 17: When setting this command for NEAX IPS^{DM}/NEAX IPS^{DMR}, the number of ports should be assigned in consideration of the port number for the virtual LEN as shown below. For example, when using the physical LEN up to 00087, the number of port should be assigned as 088.</p>												
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding-right: 20px;"><i>Physical LEN</i></th> <th style="text-align: left;"><i>Virtual LEN</i></th> </tr> <tr> <th style="text-align: left; padding-right: 20px;"><i>(for LT slot)</i></th> <th style="text-align: left;"><u> </u></th> </tr> </thead> <tbody> <tr> <td style="padding-right: 20px;">MC2: 01000-01039</td> <td>01040-01063</td> </tr> <tr> <td style="padding-right: 20px;">MC1: 00064-00103</td> <td>00104-00128</td> </tr> <tr> <td style="padding-right: 20px;">MC0: 00000-00039</td> <td>00040-00063</td> </tr> </tbody> </table>			<i>Physical LEN</i>	<i>Virtual LEN</i>	<i>(for LT slot)</i>	<u> </u>	MC2: 01000-01039	01040-01063	MC1: 00064-00103	00104-00128	MC0: 00000-00039	00040-00063
<i>Physical LEN</i>	<i>Virtual LEN</i>											
<i>(for LT slot)</i>	<u> </u>											
MC2: 01000-01039	01040-01063											
MC1: 00064-00103	00104-00128											
MC0: 00000-00039	00040-00063											
<p>LEN: XXYYY</p> <p style="padding-left: 40px;">XX : 00/01 (FP No.)</p> <p style="padding-left: 40px;">YYY: 000-128 (Port No.)</p>												

COMMAND CODE	TITLE:	INITIAL
06	AP CARD ALLOCATION	

FUNCTION:

This command is used to assign AP card allocation.

PRECAUTION:

This command requires a system reset after data setting.

ASSIGNMENT PROCEDURE:

[ST] + 06YY + [DE] + 1ST DATA (1-4 digits) + [DE] + 2ND DATA (2-3 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
01	0-7	ATTCON number 0-7	XX Z NONE◀	XX: AP number (04-15) of PN-CS00 Z : Circuit number of PN-CS00 (0/1) No data	CM05 CM60
04	00-15	MFR/MFC/911 Sender/ CIR Trunk 00-15	XX Z NONE◀	XX: AP number of PN-4RSTB/ PN-4RSTB-A (04-15, 20-31)/ PN-4RSTC/PN-4RSTC-A (04-15) Z : Circuit number of PN-4RSTB/PN-4RSTB-A/PN-4RSTC/PN-4RSTC-A (0-3) No data	CM05
07	0-7	CCH/IPT/SIP channel number	04-15, 20-31 NONE◀	AP number (04-15, 20-31) of PN-SC00/PN-24CCTA/PN-30CCTA/ PN-DTA/PN-DTB/PN-8IPTA/ PN-IPTB, Virtual AP number (04-15, 20-31) which is set to the Virtual PIM number by CM05 Y=4, 8 No data	CM05 CM30 CM35 CMA7, CMA8

Continued on next page

COMMAND CODE	TITLE:	INITIAL
06	AP CARD ALLOCATION	

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
08	0-7	DCH channel number	04-15, 20-31 NONE ◀	AP number (04-15, 20-31) of PN-SC01/PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB No data	CM05 CM35 Y=93 CMA9 Y=00
	00-31	DCH channel number [Series 3800]	04-15, 20-31 NONE ◀	AP number (04-15, 20-31) of PN-SC01/PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB No data	
			64-93 NONE ◀	AP number (64-93) of PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB No data NOTE	
NOTE: This data is effective only when PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB is accommodated in a remote site.					
09	00-15	ICH D-channel number	04-15, 20-31 NONE ◀	AP number (04-15) of PN-SC03/PN-SC03-A/PN-SC03-B/PN-2ILCC No data	CM05

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COMMAND CODE		TITLE:			INITIAL
06		AP CARD ALLOCATION			
◀: Initial Data					
Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
10	XX ZZ	D channel path between CSI and CSH XX : AP number (04-15, 20-31) of PN-SC03-A/PN-SC03-B/PN-SC03-C ZZ : D-channel block number (00-03)	X YY NONE ◀	X : PIM number (0-7) YY : Port number (00-56) First LEN (Level 0) of PN-2CSIA/PN-2CSIA-A/PN-2CSIH/ PN-4CSIA/PN-4CSIA-A: X00, X08, X16, X24, X32, X40, X48, X56 No data	CM05 CM10
<p>NOTE: Since one PN-4CSIA/PN-4CSIA-A card uses 16 LT ports for two LT slots, CM06 Y=10 must be set to each slot.</p> <p>Example: When mounting the PN-4CSIA/PN-4CSIA-A card in the LT00 slot of PIM0, set the LEN for LT00 slot and LT01 slot. CM06 Y=10 (1) XX00 (2) 000 (1) XX01 (2) 008</p>					
17	00-07	VIPT (Voice channel for H.323 IPT) number	04-15, 20-31 NONE ◀	AP number (04-15, 20-31) of PN-IPTB No data	CM05
18	XX ZZ	D channel path between CSI and CSH XX : AP number (04-15, 20-31) of PN-SC03-A/PN-SC03-B/PN-SC03-C ZZ : D-channel block number (00-03) [Series 3200 R6.2 (R6.2)]	000-255 NONE ◀	CS/ZT number of PN-2CSIA/PN-2CSI-A/PN-2CSIH/ PN-4CSIA/PN-4CSIA-A set by CM10/CM14 No data	CM05 CM10/CM14
<p>NOTE 1: When mounting PN-2CSIH, assign the CS/ZT number to the first LEN (Level 0) of each LT slot. Assignment of the CS/ZT number to the third LEN (Level 2) is not necessary.</p> <p>NOTE 2: When mounting PN-4CSIA/PN-4CSIA-A, assign the CS/ZT number to the first LEN (Level 0) of PN-4CSIA/PN-4CSIA-A card mounting slot and the adjoining right side slot. Assignment of the CS/ZT number to the third LEN (Level 2) is not necessary.</p>					

COMMAND CODE	TITLE:	INITIAL
07	DTI/CCIS/ISDN/CFT/SIP TRUNK ASSIGNMENT	

FUNCTION:

This command is used to assign the DTI/CCIS/ISDN/CFT/SIP trunks.

PRECAUTION:

- (1) This command requires a system reset after data setting.
- (2) The system allocates time slots to consecutive channels from lowest to highest channel number assigned. To minimize the number of time slots allocated, assign trunk numbers to the consecutive channels on each card.
Never skip channels in this command.

ASSIGNMENT PROCEDURE:

[ST] + 07YY + [DE] + 1ST DATA (4 digits) + [DE] + 2ND DATA (4 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
01	XX ZZ	Channel No. of Digital Trunk Interface/CCIS (PN-24DTA-C/PN-24PRTA/ PN-24CCTA/PN-30DTC-C/ PN-30PRTA/PN-30CCTA/ PN-8IPTA/PN-DTA/PN-DTB) XX: AP No. (04-15, 20-31) ZZ : Channel No. PN-24DTA-C/PN-24PRTA/ PN-24CCTA: 00-23 PN-30DTC-C/PN-30PRTA/ PN-30CCTA/PN-DTA/ PN-DTB: 01-31 NOTE 1 CFTC/8IPTA: 00-31	D000 ? D255 NONE ◀	Trunk number NOTE 2 NOTE 3 No data	CM05 CM10/CM14 CM30
<p>NOTE 1: For 30 DTI, do not assign Channel No. 00 that is used for Frame Alignment signal. When Associated Interoffice Signaling is used, do not assign Channel No. 16 that is used for signaling channel.</p> <p>NOTE 2: Trunk numbers already assigned by CM10/CM14 should not be used.</p> <p>NOTE 3: Do not assign Trunk number D255 for CCIS/SIP.</p>					

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COMMAND CODE	TITLE:	INITIAL
07	DTI/CCIS/ISDN/CFT/SIP TRUNK ASSIGNMENT	

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND	
	DATA	MEANING	DATA	MEANING		
01	XX ZZ	Channel No. of ISDN-PRI (PN-24DTA-C/PN-24PRTA/ PN-30DTC-C/PN-30PRTA/ PN-DTA/PN-DTB) XX: AP No. (04-15, 20-31) ZZ: Channel No. B-Channel number: 00-22 D-Channel number: 23	D000 ? D255 NONE◀	Trunk number No data	CM05 CM30 CMA9 Y=00, 01	
		Channel No. of ISDN-PRI (PN-24DTA-C/PN-24PRTA/ PN-30DTC-C/PN-30PRTA/ PN-DTA/PN-DTB) XX: AP No. (04-15, 20-31, 64-93) ZZ: Channel No. B-Channel number: 00-22 D-Channel number: 23 [Series 3800]	D000 ? D511 NONE◀	Trunk number NOTE No data	CM05 CM30 CMA9 Y=00, 01	
		NOTE: Second data D256-D511 can be set only when PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB is accommodated in a remote site.				
		Channel No. of Conference (32-Party/8-Party) (PN-CFTC/PN-CFTC-A) XX: AP No. (04-15, 20-31) XX: Channel number: 00-31	D000 ? D255 NONE◀	Trunk number No data	CM05 CM30 CMAA Y=10	

Continued on next page

COMMAND CODE	TITLE:	INITIAL
07	DTI/CCIS/ISDN/CFT/SIP TRUNK ASSIGNMENT	

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
02	XX ZZ	Channel No. of BRT XX: AP No. (04-15, 20-31) ZZ : Channel No. (00/01: BRT) (00-03: 2BRT) (00-07: 4BRT) NOTE: <i>Be sure to assign the trunk number to all channels (00-03 of the 2BRT card, 00-07 of the 4BRT card), even if only one PCM digital line is accommodated to the 2BRT card or less than four PCM digital lines are accommodated to the 4BRT card. Set make-busy to the unused trunk numbers by CME5 Y=1.</i>	D000 ? D255 NONE ◀	Trunk number NOTE: <i>Trunk numbers already assigned by CM10/CM14 should not be used.</i> No data	CM05
05	32XX	Virtual Channel No. for Event Based CCIS XX: Home-Side trunk virtual channel No. 00-30 (even No.) XX: Mate-Side trunk virtual channel No. 01-31 (odd No.)	D000 ? D255 NONE ◀	Trunk number NOTE: <i>Trunk numbers already assigned by CM10/CM14 should not be used.</i> No data	

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

FUNCTION:

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

PRECAUTION:

After setting 1st data 335, 368, 390, 391, 392, 396, 420, 477, 478, 487, system reset is required.

ASSIGNMENT PROCEDURE:

ST + 08 + DE + BASIC SERVICE FEATURE (3 digits) + DE + DATA (0/1) (1 digit) + EXE

DATA TABLE:

BASIC SERVICE FEATURE: 010-096

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
010	Operator Overlapping [Australia Only]	0 1 ◀	Not available Available
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
020	Terminating to Attendant Console by receiving Forward GII signal on DID MFC call [Not used in North America]	0 1 ◀	Not allowed To allow
021	Station-to-Station call during a C.O. outgoing connection or outgoing call transfer	0 1 ◀	Restricted Allowed
025	MSG Display on D ^{term}	0 1 ◀	MSG (only) MSG X (X: No. of message)
026	Group Diversion	0 1 ◀	Available 🔗 See CM16 Y=2 CM19 Y=6 Not available

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
027	A hold tone is sent to overlap call [Australia Only]	0 1 ◀	To send Not sent
028	C.O. to C.O. transfer by station or attendant NOTE: <i>This data is effective for C.O. trunks (Ground Start/ Loop Start) which receive a release signal from the C.O.</i>	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
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 Digital Announcement Trunk	0 1 ◀	Restricted (ROT connection) Predetermined station, ATTCON or Digital Announcement Trunk assigned by CM51 Y=06, 07
034	Receiving Tone when the destination goes on-hook while a line is connecting to a destination. [For EU] [Series 3200 R6.2 (R6.2)] NOTE: <i>In Germany, you have to set setting data to 0.</i>	0 1 ◀	BT ROT
035	Toll Restriction for an outgoing call by Speed Calling-Station (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: <i>This is useful when AC induction is present on Ground Start trunks.</i>	0 1 ◀	Detect only, Ring cycle only Detect Ring cycle and Ground Lead


Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
040	SMDR output for Tandem call	0	Available
		1 ◀	Not available
043	Speed Calling-System (System Speed Dialing) Security. Stored number display on D ^{term} for an outgoing call by Speed Calling-System (System Speed Dialing).	0	Not displayed
		1 ◀	Display
044	Toll Restriction for an outgoing call by Speed Calling-System (System Speed Dialing)	0	Not provided
		1 ◀	Provided
045	Warning Tone sent to connected parties during Executive Right of Way (Executive Override), Busy Verification or Attendant Override	0	Only once
		1 ◀	Every 4 seconds




Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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
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
064	Reverted Call Metering [Australia Only]	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 seconds intervals
069	When a station user has dialed any one digit while hearing busy tone	0 1◀	Switch Hook Flash Step Call
070	Line Fault Detection (Line disconnection or short circuit) [Australia Only]	0 1◀	To provide Not provided




Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
073	Line Fault Detection (Metering Burst) [Australia Only]	0 1 ◀	To provide Not provided
074	When the line disconnection or short circuit is repaired, the line fault caused by Metering burst is automatically cleared [Australia Only]	0 1 ◀	Effective Ineffective
075	PAD control pattern [For Large type ATTCON]	0 1 ◀	Australia Standard
076	Warning tone is sent to C.O. line, when a station or operator overrides a busy station connected to a C.O. line.	0 1 ◀	Not sent To send
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
078	Trunk seizure sequence when CM35 Y=83: 0 NOTE: <i>When the system is installed with loop-start trunks, it is important to select the highest available trunk setting to prevent call collisions.</i>	0 1 ◀	Highest available trunk Lowest available trunk
085	Type of PS/WLAN Terminal No-Answer timer	0 1 ◀	As per CM41 Y=0>86 As per CM41 Y=0>01
088	Home PBX Numbering Plan for WCS Roaming [For PCS]	0 1 ◀	Closed Numbering System Open Numbering System
090	Loop on control after dialing for tandem connection, when the incoming trunk cannot receive a release signal	0 1 ◀	<ul style="list-style-type: none"> • When the outgoing trunk can detect an answer signal, loop on is not provided after dialing • When the outgoing trunk cannot detect an answer signal, loop on is provided after dialing 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 SERVICE FEATURES	
BASIC SERVICE FEATURE: 101-199			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
101	When CM08>102: 0 for Single Line Telephone	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) NOTE: <i>This data is applied to single line telephone station.</i>	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) NOTE: <i>This data is applied to single line telephone station.</i>	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	0 1◀	The call with STA-B is disconnected, and STA-A returns to the C.O. line Three Party Conference
109	Periodic record tone on live record	0 1◀	To send Not sent
110	1000-Slot Memory Block number "3" for Speed Calling-Station (Station Speed Dialing) is used as the Memory Block for Speed Calling-System (System Speed Dialing)	0 1◀	Available  See CM20>A150 Not available
111	1000-Slot Memory Block number "1" for Speed Calling-Station (Station Speed Dialing) is used as the Memory Block for Speed Calling-System (System Speed Dialing)	0 1◀	Available  See CM20>A151 Not available
112	1000-Slot Memory Block number "0" for Speed Calling-Station (Station Speed Dialing) is used as the Memory Block for Speed Calling-System (System Speed Dialing)	0 1◀	Available  See CM20>A152 Not available
113	Outgoing C.O. line call from Station-to-Station connection	0 1◀	Not allowed To allow

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
114	Answer preference for enhanced Trunk Line Appearance (Trunk Direct Appearances)	0 1◀	Display 2-digit trunk ID code (CM30 Y=19, last two digits assigned) Display 4-digit trunk ID code  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◀	Not allowed To allow
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
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 NOTE: <i>Effective only when CM08>255: 1.</i>	0 1◀	10 seconds later 6 seconds later
121	Name Display (Guest Name Display) after the call answered NOTE: <i>Effective only when CM08>255: 1.</i>	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=04, 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 Digital Announcement Trunk on Announcement Service	0 1◀	Available Not available (Single connection)






Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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-Don't Answer (No Answer) for trunk incoming call [Series 3200 R6.2 (R6.2)]	0 1 ◀	As per timing for internal call or an assisted call (As per CM41 Y=0>15/CM41 Y=0>101/CME6 Y=07) As per timing for trunk incoming call (As per CM41 Y=0>01/CM41 Y=0>100/CME6 Y=08)
130	Exclusive Hold on D ^{term}	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 D ^{term}	0 1 ◀	Not available Available
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  See CM08>135: 1	0 1 ◀	To send Not sent
137	Ringing signal for a station call with a trunk line placed in Consultation Hold	0 1 ◀	Change from Internal to External Ringing when caller goes on-hook or presses RLS key  See CM08>138 CM15 Y=83, 84 External Ringing  See CM35 Y=33, 34



Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
138	Ringing signal for Station-to-Station connection [Other than North America]  See CM08>397	0	External Ringing
		1 ◀	Internal Ringing
	Ringing signal for calls from station/Tie Line through CCIS [Other than North America]  See CM08>397	0	External Ringing
		1 ◀	Internal Ringing
	Ringing signal for calls from C.O. through CCIS [Other than North America]  See CM08>397	0	Internal Ringing
	1 ◀	External Ringing	
	Ringing signal for calls from station/Tie Line through CCIS [North America Only]	0	2 seconds ON-4 seconds OFF
		1 ◀	1 second ON-2 seconds OFF
	Ringing signal for calls from C.O. through CCIS [North America Only]	0	1 second ON-2 seconds OFF
		1 ◀	2 seconds ON-4 seconds OFF
140	Message Waiting indication on Line Key of D ^{term}	0	Available
		1 ◀	Not available
141	Recording Station-to-Station calls automatically  See CM13 Y=23 CM76 Y=13	0	Start automatically
		1 ◀	Not available
142	Attendant access capability from the stations belonging to a tenant with no Attendant Console  See CM62	0	To allow
		1 ◀	Not allowed

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
143	Individual attendant access from a station within another tenant  See CM20>A095	0 1◀	Restricted Allowed (Recall transferring station)
144	Lamp color on D ^{term} when Message Waiting is set	0 1◀	Green Red
145	Outgoing call preset and call answer preset of D ^{term} • 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: <i>Effective only when CM08>069: 1.</i>  See CM08>069	0 1◀	Switch Hook Flash 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
151	Dialing 1 for switch hook flash (DP telephone)/switch hook flash (DTMF/DP telephone)	0 1◀	Not available Available
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: <i>Effective only when CM08>151: 1.</i>	0 1◀	Effective as switch hook flash Ineffective

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COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA																																			
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																																		
<p>The table below shows the available features and its access codes for Single Digit Feature Access Code, while the calling station hears RBT.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Access Code</th> <th rowspan="2" style="text-align: center;">Service Feature</th> <th colspan="4" style="text-align: center;">Calling Station Kind</th> </tr> <tr> <th style="text-align: center;">Attendant Console</th> <th style="text-align: center;">D^{term}</th> <th style="text-align: center;">DP Telephone</th> <th style="text-align: center;">DTMF Telephone</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Voice Call</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available after Hooking NOTE 2</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Call Back-Don't Answer</td> <td style="text-align: center;">Not Available</td> <td style="text-align: center;">Available NOTE 1</td> <td style="text-align: center;">Available NOTE 1</td> <td style="text-align: center;">Available after Hooking NOTE 2</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Message Reminder/ Message Waiting Set</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available after Hooking NOTE 2</td> </tr> <tr> <td style="text-align: center;">8</td> <td>Message Waiting Record</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available</td> <td style="text-align: center;">Available after Hooking NOTE 2</td> </tr> </tbody> </table> <p>NOTE 1: While the D^{term} 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.</p>				Access Code	Service Feature	Calling Station Kind				Attendant Console	D ^{term}	DP Telephone	DTMF Telephone	1	Voice Call	Available	Available	Available	Available after Hooking NOTE 2	2	Call Back-Don't 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
Access Code	Service Feature	Calling Station Kind																																			
		Attendant Console	D ^{term}	DP Telephone	DTMF Telephone																																
1	Voice Call	Available	Available	Available	Available after Hooking NOTE 2																																
2	Call Back-Don't 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																																
157	<p>Whether the Paging Answer code and the Paging Access code are to be the same or not.</p> <p>If codes are the same, paging access codes must be set to trunk routes (in CM30 Y=00), as follows: Paging Answer Zone 0: Trunk Route 50 } } 9: Trunk Route 59</p> <p>CM20>A070-A079, are used to set the combined access/answer codes.</p>	0 1◀	<p>Same Different</p> <p>☞ See CM20>A070-A079 CM30 Y=28 CM44>02XX</p>																																		
<p>NOTE: The second data must be set to 0 when one Paging trunk is connected with the multiple AMP relay circuits or one Paging trunk is connected with two AMP relay circuits simultaneously.</p>																																					
158	<p>All Zone Internal Paging</p> <p>☞ See CM56 Y=00-05 CM20>A164</p>	0 1◀	<p>Not available Available</p>																																		

Continued on next page

COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
161	Transfer a trunk line placed in Consultation Hold (Hold Transfer)	0	Available (Hold Transfer)
		1 ◀	Not available (Consultation Hold)
162	Multiple Radio Paging access after accessing a Radio Paging trunk with delay type Radio Paging NOTE: <i>This is ineffective when CM08>157: 0.</i>	0	Not available
		1 ◀	Available
163	Step Call for an incoming call from a Tie Line	0	Not available
		1 ◀	Available
165	Replay timer for Attendant Delay Announcement	0	Replay at an interval See CM41 Y=0>47
		1 ◀	Replay only once
168	When the DTMF station or D ^{term} station dials “#” during setting of Speed Calling-Station (Station Speed Dialing)	0	“#” is set as paused data (1.5 seconds)
		1 ◀	“#” is set as dialed digit
171	When the DTMF station or D ^{term} station dials “*” during setting of Speed Calling-Station (Station Speed Dialing)	0	“*” is set as programmable pause by CM41 Y=0>38
		1 ◀	“*” is set as dialed digit
172	Automatic Idle Return on D ^{term}	0	Not available
		1 ◀	Available
176	1000-Slot Memory Block number “2” for Speed Calling-Station (Station Speed Dialing) is used as the Memory Block for Speed Calling-System (System Speed Dialing)	0	Available See CM20>A068
		1 ◀	Not available
177	Last Number Call (Last Number Redial)	0	Available See CM20>A069
		1 ◀	Not available
178	Last Number Call (Last Number Redial) /Stack Dial for internal calls NOTE: <i>Effective only when CM08>177: 0.</i>	0	Not available (Only available for external calls)
		1 ◀	Available
179	Ringing cadence on Direct in Termination [Other than North America]	0	As per CM35 Y=33
		1 ◀	Special Ringing See CM08>397
	Ringing cadence on Direct in Termination [North America Only]	0	As per CM35 Y=33
		1 ◀	0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF

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COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
180	Ringing cadence on Automated Attendant call, DID call and Remote Access to System call [Other than North America]	0	Special Ringing See CM08>397
		1 ◀	As per CM35 Y=33 or CM76 Y=22
	Ringing cadence on Automated Attendant call, DID call and DISA call [North America Only]	0	0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF
		1 ◀	As per CM35 Y=33 or CM76 Y=22
181	D ^{term} /DSS Console One-Touch key calling while another party being rung, or while talking with another party	0	Not available
		1 ◀	Available
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	Not available
		1 ◀	Available
187	Recall priority over Call Forwarding	0	Recall is higher
		1 ◀	Call Forward is higher
193	Sender prepause for C.O. outgoing call (Not used with LCR)	0	To provide
		1 ◀	Not provided
194	Sender prepause for Tie Line outgoing call	0	To provide
		1 ◀	Not provided
199	Line Preselection on a D ^{term} Speaker key is required after pressing the desired Line/Trunk key.	0	Not required
		1 ◀	Required

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

BASIC SERVICE FEATURE: 200-294

◀: Initial Data


BASIC SERVICE FEATURE		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 [For large type ATTCON] 🔗 See CM60 Y=26	0 1◀	Available Not available

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COMMAND CODE		TITLE:			
08		BASIC SERVICE FEATURES			
◀: Initial Data					
BASIC SERVICE FEATURE			SETTING DATA		
208	Dialing of a Single Digit Feature Access Code, while the calling station hears busy tone	0	Available		
		1 ◀	Not available		
To activate Single Digit Feature Access Code, set CM08>050, 051, 069 and 148 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		
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 Feature	Calling Station Kind			
		Attendant Console	D ^{term}	DP Telephone	DTMF Telephone
2	Call Back/Outgoing Trunk Queueing (Trunk Queueing-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)	Available	Available	Available	Available NOTE 2
5	Call Waiting	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 D ^{term} 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 SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		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
213	Method to cancel Call Forwarding-All Calls/-Busy Line/-Don't Answer (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 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 ACD/UCD station hears ROT
216	Processor for Authorization Code/Forced Account Code	0 1◀	To provide (MP) ☞ See CM2A Y=00-14, A0 Not provided (OAI)
217	Processor for Remote Access to System (DISA) Code	0 1◀	To provide (MP) ☞ See CM2A Y=00-14, A0 Not provided (OAI)
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

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
222	To complete the operation for setting Call Forwarding-All Calls-Outside/Busy Line-Outside/Do Not Answer-Outside	0 1◀	Setting when the station goes on hook/when receiving Service Set Tone (ORT time out) Setting when receiving Service Set Tone (ORT 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: <i>Effective only when CM08>212 is set to 1.</i>	0 1◀	The call is placed into queuing 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	Ringling 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
229	Choice of Night Service via ATTCON Programming Mode	0 1◀	Available Not available
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	Message Waiting/Message Reminder is reset (turning the MW Lamp off) irrespective of answering of calling station when the called station calls to retrieve the message	0 1◀	Available Not available (Reset by answering of calling station)
235	Message Waiting/Message Reminder is reset (turning the MW Lamp off) by answering at the called station when the calling station calls again after setting this feature	0 1◀	Available Not available (As per CM08>234)
236	Special Dial Tone sending for Attendant Console or station dialing a Message Waiting access Set/Cancel code	0 1◀	Not tone Tone is sent
237	Automatic Intercom to station set for Do Not Disturb	0 1◀	Restricted (ROT connection) Allowed
238	Ringling of Manual Intercom call on station set for Do Not Disturb	0 1◀	Not ring on Ring on

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
239	Dial Intercom to station set for Do Not Disturb	0 1◀	Restricted (ROT connection) Allowed
240	Call Forwarding-Busy Line/Station Hunting for station with Do Not Disturb set	0 1◀	Allowed Restricted (ROT connection)
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	Same station as Off Hook Alarm ☞ See CM51 Y=12
		1◀	Terminate to Attendant Console ☞ See CM46>54
251	Destination of Priority Call 1	0	Same station as Off Hook Alarm ☞ See CM51 Y=12
		1◀	Terminate to Attendant Console ☞ See CM46>55
253	Ring transfer for Call Transfer-All Calls to a trunk when a station holds another station	0	Available
		1◀	Not available

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COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
254	Whether the Hold key of the D ^{term} is used as the Call Park-Tenant Set key for an internal or external call	0 1 ◀	Call Park-Tenant Set key Hold key
255	Name Display-station/trunk and Guest Name Display on D ^{term} and ATTCN/DESKCON	0 1 ◀	Not provided To provide
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: <i>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.</i>	0 1 ◀	Not sent To send (only once)
262	D ^{term} 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

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
268	Call termination to My Line while the station user makes a call with a Sub line or trunk line on D ^{term} NOTE 1	0 1◀	Restricted Allowed
269	Busy indication on BLF of large type ATTCON, DSS Console or D ^{term} by station base or extension base NOTE 1	0 1◀	Station base Extension base
270	Voice Call when calling D ^{term} set to Voice First from single line telephone or D ^{term} without LCD	0 1◀	Not provided (Busy Tone) To provide
271	Voice Call when calling D ^{term} set to Voice First from Attendant Console	0 1◀	Not provided (Busy Tone) To provide
274	Line lockout indication on DSS Console	0 1◀	Available Not available
280	Time Display for Message Reminder/Message Waiting (System/Individual) on D ^{term}	0 1◀	24-Hour (Military format) 12-Hour
281	Maid Identification number used for Maid Status NOTE 2	0 1◀	Available Not available
282	Message "RING ON OK" is printed out when wake up call starts NOTE 2	0 1◀	Not printed To print
283	Message "STATION BUSY" is printed out when the station is busy on Wake Up call NOTE 2	0 1◀	Not printed To print
284	Message "CONNECTION BLOCK" is printed out when Wake Up call is unsuccessful NOTE 2	0 1◀	Not printed To print
286	Message "STATION ANSWER" is printed out when the station answer Wake Up call NOTE 2	0 1◀	Not printed To print
287	Message "STATION NO ANSWER" is printed out when the station does not answer Wake Up call NOTE 2	0 1◀	Not printed To print
289	Room Cutoff	0 1◀	Not Allowed To allow

NOTE 1: When CM08>268=0 (restricted), set 0 (station base) by CM08>269.

NOTE 2: CM08>281, 282, 283, 284, 286, 287 are required for Hotel printer.

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COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
293	Wake Up time display on Front Desk Terminal	0	24-Hour (Military format)
		1 ◀	12-Hour
294	MW lamp indication on D ^{term} to which Message Waiting/Message Reminder is set	0	Flashing (60 IPM)
		1 ◀	Steady lighting

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 301-398			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
301	When system is initialized	0 1◀	D ^{term} MIC lamp ON D ^{term} 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 [Series 3400]	0 1◀	Not available Available
319	On a Tie Line outgoing call with answer signal, transferring/holding the call before distant called station answers. NOTE: <i>Effective only when CM35 Y=00 is 03 or 04 and CM35 Y=04 is 02.</i>	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◀	Allowed Restricted
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 station set with a Return Message Schedule Display, receives ringing	0 1◀	Available (Ringing) Not available (ROT connection)
335	Station number and name display when incoming call begins ringing in <div style="text-align: center;">(INITIAL)</div>	0	Display when incoming call terminates to the Prime Line
		1◀	Display when incoming call terminates to the Prime Line or My Line

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		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 D ^{term} /ATTCON/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
361	Dial “**” is automatically added to the digits sent to Radio Paging System	0 1◀	Allowed Restricted
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
366	Ringling distinction by detecting the ringing signal from main PBX or Centrex	0 1◀	Longer Ringing than CM41 Y=2>40: External call Shorter Ringing than CM41 Y=2>40: Internal call Longer Ringing than CM41 Y=2>40: Internal call Shorter Ringing than CM41 Y=2>40: External call

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
367	Camp-On (Call Waiting) Tone sent to busy station by Call Waiting-Station/-Terminating (Camp-On Call Waiting method) NOTE: <i>In Italy, Belgium, Denmark, Switzerland and Spain, you have to set setting data to 0.</i>	0 1◀	Every 4 seconds Only once
	Camp-On (Call Waiting) Tone sent to busy station by Call Waiting-Station/-Terminating [New Zealand Only]	0 1◀	Only once Every 2 minutes
368	Centralized Billing-CCIS for Center Office INITIAL	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
372	Alternative Routing when outgoing trunks of tandem office are all busy/Alternate Routing for multiple IPT/SIP cards	0 1◀	Available Not available
373	Send Call Forwarding station information through CCIS	0 1◀	To send Not sent
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◀	24 digits 15 digits
	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 1◀	To provide Not provided
Continued on next page			

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
380	Interval of ringer until detecting a ringing frequency from the main PBX or Centrex. Ringing is sent from D ^{term} until detection of the ringing frequency.	0 1 ◀	As per CM08>381 As per CM35 Y=33
381	Interval of ringer until detecting a ringing frequency from the main PBX or Centrex. Ringing is sent from D ^{term} 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 D ^{term} 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=32)
386	Destination setting of Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)-Outside or Split Call Forwarding-All Calls/Busy Line/Don't Answer (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	0 1 ◀	Held party control (tenant) Holding party control (tenant)
390	D ^{term} tone ringer selection <div style="text-align: right;">(INITIAL)</div> 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=83, 84 and/or CM35 Y=34, the ring tone selection key of D ^{term} is ineffective.	0 1 ◀	By pressing Feature key and dialing 3 [2nd data=0 is set when Resident System program is loaded.] As per CM15 Y=83, 84, 93, CM35 Y=34, 164 NOTE 1 NOTE 2
391	Lamp indication on D ^{term} <div style="text-align: right;">(INITIAL)</div>	0 1 ◀	Special Standard

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COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
392	Ringing signal patterns for external call [Not used in North America] <div style="text-align: right;">INITIAL</div>	0	2 seconds ON-4 seconds OFF
		1 ◀	0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF
396	Station ringing cadence selection for Internal call [Not used in North America] <div style="text-align: right;">INITIAL</div>	0	2 seconds ON-4 seconds OFF (For D ^{term})
			1 second ON-5 seconds OFF (For SLT)
		1 ◀	1 second ON-2 seconds OFF

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COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀: Initial Data

BASIC SERVICE FEATURE	SETTING DATA
397 Ringing signal patterns for an internal/external call and special ringing [Not used in North America] <div style="text-align: center; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">INITIAL</div>	0 Depends on the combination of CM08>392 and 396 (See the following table) 1◀ 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	SLT	1ON 2OFF	1ON 2OFF	1ON 5OFF	1ON 5OFF	0.4ON 0.2OFF 0.4ON 4OFF	0.7ON 0.2OFF 0.7ON 3.5OFF	1ON 4OFF	0.3ON 0.2OFF 0.3ON 4.2OFF
	D ^{term}	1ON 2OFF	1ON 2OFF	2ON 4OFF	2ON 4OFF	0.357ON 0.2OFF 0.357ON 2OFF	0.357ON 0.2OFF 0.357ON 2OFF	1ON 4OFF	0.25ON 0.25OFF 0.25ON 4.25OFF
External Ringing	SLT	0.4ON 0.2OFF 0.4ON 2OFF	2ON 4OFF	0.4ON 0.2OFF 0.4ON 2OFF	2ON 4OFF	1ON 4OFF	1.5ON 3.5OFF	0.3ON 0.2OFF 0.3ON 4.2OFF	1ON 4OFF
	D ^{term}	0.4ON 0.2OFF 0.4ON 2OFF	2ON 4OFF	0.4ON 0.2OFF 0.4ON 2OFF	2ON 4OFF	2ON 4OFF	2ON 4OFF	0.25ON 0.25OFF 0.25ON 4.25OFF	1ON 4OFF
Special Ringing	SLT	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 2OFF	0.4ON 0.2OFF 0.4ON 2OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 2OFF	0.4ON 0.2OFF 0.4ON 2OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 4OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 4OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 4OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2OFF 4OFF
	D ^{term}	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2ON 2OFF	0.5ON 0.5OFF 0.5ON 1.5OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2ON 2OFF	0.5ON 0.5OFF 0.5ON 1.5OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2ON 2OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2ON 2OFF	0.2ON 0.2OFF 0.2ON 0.2OFF 0.2ON 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 EU.

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COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
398	Provide PAD for D ^{term} at all times NOTE: For Europe, be sure to set the data to 0.	0	To provide
		1 ◀	Not provided
	D ^{term} connection PAD [For EU] [Series 3400]	0	With PAD
		1 ◀	Without PAD
<p>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</p> <p>NOTE 2: CM08>398:1 (Without PAD) is available for following countries. Brazil/China/International</p>			

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 400-493			
◀: Initial Data			
BASIC SERVICE FEATURE		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 D ^{term} when the charge has been summed over \$9999.99/€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] <div style="text-align: center;">(INITIAL)</div>	0 1◀	16 kHz 50 Hz/12 kHz
421	Transmission level for DIT [Brazil (900 Ω)/New Zealand]	0 1◀	For Brazil/New Zealand For other than Brazil/New Zealand
422	D ^{term} 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 SERVICE FEATURES		
◀: Initial Data				
BASIC SERVICE FEATURE			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 ATTCON: Attendant 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	ATTCON	STA	STA	STA
ATTCON	STA	STA	STA	STA
ATTCON A	ATTCON B	Split charging to ATTCON A and ATTCON B	ATTCON B	ATTCON A
426	SMDR for incoming calls if the account code is not entered NOTE: When CM08>426 is 1, SMDR for incoming call is not provided even if CM13 Y=05 and CM35 Y=49 are 0 (To provide).	0 1 ◀	To provide Not provided	
427	Send additional DTMF signals when called station answers, if assigning station number and additional DTMF signals to One-Touch key on D ^{term} .	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 D ^{term} Sub line [Cintech Jazz ACD only]	0 1 ◀	Available Not available	
430	Send Calling Party Subaddress to ISDN network when making call from ISDN Terminal	0 1 ◀	To send (As per CM08>431) Not sent	
431	ISDN Calling Party Subaddress when making call from ISDN Terminal	0 1 ◀	ISDN line station No. assigned by CM10/CM14 ISDN Terminal No.	

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
432	Forced release when called ISDN Terminal does not answer during 3 minutes	0 1◀	Not available Available
434	ISDN CPN (Calling Party Number) when making a call from ISDN Terminal	0 1◀	CPN entered in ISDN Terminal CPN assigned by CM12 Y=12/13
441	Recall display on Attendant Console	0 1◀	Available Not available
442	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: <i>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.</i>	0 1◀	Available Not available
445	Pressing Paging key on ATTCON/DESKCON when the attendant is in idle	0 1◀	Available Not available
448	When D ^{term} station dials “*#” during setting of 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-Don't 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
451	Fault Information Memory overflow	0 1◀	No fault information is registered in case of Fault Memory overflow Fault information is overwritten in case of Fault Memory overflow
456	Whether the system clock is set when the system clock setting command is received from the RMAT	0 1◀	Not set To set

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
457	Whether the fault information is cleared when the fault information clear command is received from the RMAT	0 1◀	To clear Not cleared
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◀	Available Not available
463	Send ANI/Caller ID/CPN to SMDR terminal	0 1◀	Available Not available
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 [Series 3900]	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 [Not used in North America]	0 1◀	Called station control Called station idle (charge)
471	Send Backward GB signal when terminating by tandem connection or converting received digits on DID MFC call [Not used in North America]	0 1◀	Called station control Called station idle (charge)
472	Request ANI signal/Caller ID from network when incoming call terminates	0 1◀	Available Not available
473	Connecting method when receiving Backward Signal meaning Line Busy/Unallocated No./Congestion on DOD MFC call [Not used in Australia/North America]	0 1◀	Not released trunk (Tone/Announcement from C.O.) Release trunk (BT/ROT from PBX)
474	Send ANI signal to PSTN on DOD MFC call/Enhanced 911	0 1◀	To send Not sent

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
475	Sender Tone sending on DOD MFC call/Enhanced 911	0 1◀	Not sent (No tone) To send
477	Selection of Backward signal for ANI signal on DOD MFC call NOTE: The setting data of CM08>477 and 487 must be same. [Not used in Australia/North America] INITIAL	0 1◀	Backward GC Backward GA
478	Supervision of receiving timing for Backward signal on DOD MFC call (for Pulse Form signal) [Not used in Australia/North America] INITIAL	0 1◀	Not available Available
479	Kind of MFC Signaling [Chinese No. 1]	0 1◀	Chinese No. 1 Other than Chinese No. 1
487	Selection of Backward signal for ANI signal on DID MFC call NOTE: The setting data of CM08>477 and 487 must be same. [Not used in North America] INITIAL	0 1◀	Backward GC Backward GA
489	Type of Single Data Message Frame Format when using the PN-4RSTC-A card [Series 3500] CIR INITIAL	0 1◀	Without Time Parameter With Time Parameter
493	CID Call Back	0 1◀	To provide Not provided

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 502-589			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
502	Name display on the called station when calling from Sub Line [Series 3600]	0	Name display of My Line
		1 ◀	Name display of Sub Line
	Calling Party Name sending to ISDN when making an outgoing call from Sub Line [North America Only] [Series 3600]	0	Name of My Line
		1 ◀	Name of Sub Line
503	Send RBT when the called PS/WLAN Terminal is out of cell (zone) or the power is off NOTE: <i>Effective only for station-to-station call.</i>	0	Not sent
		1 ◀	To send
504	PS/WLAN Terminal No-Answer	0	Available
		1 ◀	Not available
507	Send calling station number to the analog telephone for Caller ID-Station when an internal call is terminated. [North America Only]	0	Not sent
		1 ◀	To send
508	Mask indication (*) for Station Authorization Code entry	0	To provide
		1 ◀	Not provided
509	Call Forwarding-Override when the Call Forwarding-All Calls is set to the My Line of D ^{term}	0	Call Forwarding-Override
		1 ◀	As per CM08>268
510	Station Hunting-Not Available when the called PS/WLAN Terminal is out of cell (zone) or the power is off	0	Available
		1 ◀	Not available
513	ID registration method for D ^{term} IP [Series 3100]	0	Protected Login Mode for All D ^{term} IPs
		1 ◀	As per CM15 Y=480
514	Whether the system encodes the station number when D ^{term} IPs login to the network [Series 3100]	0	To encode (NEC Original method)
		1 ◀	Not encoded
515	Whether the system encodes the password when D ^{term} IPs login to the network [Series 3100]	0	Not encoded
		1 ◀	To encode (As per CM08>517)

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
516	Whether the system override D ^{term} IPs which have the same station number when the D ^{term} IPs login to the network NOTE: Set the second data to 0, when a D ^{term} IP user moves to visitor site without the logout operation in User Mobility feature.	0 1◀	To override Not overridden
517	Encoding method for the password NOTE: Effective when CM08>515 is set to 1. [Series 3100]	0 1◀	MD5 NEC Original method
519	Whether the system sends SPDT when entering the name/number for Dial by Name [Series 3100]	0 1◀	Not sent To send
521	PS Location Indication on ATTCON/DESKCON display [Series 3100]	0 1◀	To provide Not provided
522	Provide the Privacy Release feature which does not use My line of the third party [Series 3200 R6.1 (R6.1)]	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 NOTE: This data is effective only when the 2nd data of CM12 Y=20 is set to 01. [North America Only] [Series 3200 R6.1 (R6.1)]	0 1◀	To send (Calling Party Name is sent) Not sent (Calling Party Number is sent)
525	Sending Switch Hook Flash for Adjunct Analog System [Series 3100]	0 1◀	To send Not sent
527	Provide the system with the voice communication between ISDN terminal group and Single Line Telephone/D ^{term} /D ^{term} IP/PS within the system [Series 3200 R6.2 (R6.2)]	0 1◀	To provide Not provided
528	Station Hunting when ISDN terminal break down NOTE: Waiting Timer for call/answer needs to be set by CMAC Y=15 when providing Station Hunting [Series 3200 R6.2 (R6.2)]	0 1◀	To provide Not provided

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
531	DTG (Digital Tone Generator) for IP-CS [For PHS] [Series 3300]	0 1◀	NEAX 2000 IPS Specification NEAX 2400 IPX Specification
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) [Series 3300]	0 1◀	Return to the original call (via TRK-A) ROT
537	Duration of displaying the name when the incoming call is answered/the select key for Calling Number Display and Calling Name Display or CID key is pressed [Series 3300]	0 1◀	Until call is finished/key is pressed again 6 seconds
NOTE: This command is effective from Series 3300 software up to Series 3600 software. When using Series 3700 R12.2 software or later, set this data by CM08>580.			
538	Duration of displaying the destination information when the outgoing call is answered by the destination via CCIS/ISDN [Series 3300]	0 1◀	Until call is finished 6 seconds
542	Type of Camp-On from ATTCON [Series 3400]	0 1◀	Semi-Automatic Camp-On Automatic Camp-On
543	Whether the step call is to be restricted or not [Series 3500]	0 1◀	Restricted Allow
548	Selection of the Guest information displayed on an administrative station (D ^{term} /Attendant Console) for 8 characters display in left-side on upper line of LCD [Series 3400]	0 1◀	Display PMS information A/B Display VIP/language
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 [Series 3400]	0 1◀	Display information assigned by CM08>548 Not displayed
553	Inquiry Dial Tone sent to a station makes SHF on Consultation Hold [For EU] [Series 3500]	0 1◀	DT SPDT

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COMMAND CODE		TITLE:																																																																																								
08		BASIC SERVICE FEATURES																																																																																								
◀: Initial Data																																																																																										
BASIC SERVICE FEATURE		SETTING DATA																																																																																								
554	Displaying the calling information on PS when an Attendant Console calls a PS with consultation holding the other station/trunk [Series 3500]	0 1◀	Information of holding call (Station/Trunk information) Information of Attendant Console																																																																																							
555	Displaying the calling information on PS when a station calls a PS with consultation holding the other station/trunk [Series 3500]	0 1◀	Information of holding call (Station/Trunk information) Information of calling station																																																																																							
556	Displaying the calling information on PS when a call is terminated from a individual signal line trunk [Series 3500]	0 1◀	Trunk name assigned by CM77 Y=2/ CM77 Y=3 Not displayed																																																																																							
557	Operation of Group Feature Key on D ^{term} when an incoming call/holding call cannot be seized with My line because it is used by the other D ^{term} on multiline [Series 3500]	0 1◀	Group Feature Key is unavailable Group Feature Key is available by seizing Sub line																																																																																							
558	Group Feature Key on D ^{term} with Line Preselection function [Series 3500] NOTE: <i>Effective only when CM08>199: 1</i>	0 1◀	To provide Not provided																																																																																							
559	Number of character kinds that can be used for the name registration for Speed Calling One Touch-D ^{term} /Speed Calling-Station (Station Speed Dialing) when pressing dial 0 on D ^{term} [Series 3500]	0 1◀	32 characters (See the following table) 10 characters (See the following table)																																																																																							
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Input Mode</th> <th rowspan="2">Second data of CM08> 559</th> <th colspan="16">Number of Dial 0 pressing</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Alphabet</td> <td>0</td> <td>!</td><td>”</td><td>#</td><td>\$</td><td>%</td><td>&</td><td>'</td><td>(</td><td>)</td><td>*</td><td>+</td><td>,</td><td>-</td><td>.</td><td>/</td><td>:</td> </tr> <tr> <td>1</td> <td>;</td><td><</td><td>=</td><td>></td><td>?</td><td>@</td><td>[</td><td>¥</td><td>]</td><td>^</td><td>_</td><td>'</td><td>{</td><td> </td><td>}</td><td>(space)</td> </tr> <tr> <td></td> <td></td> <td>(space)</td><td>-</td><td>_</td><td>'</td><td>&</td><td>@</td><td>.</td><td>,</td><td>:</td><td>;</td><td>/</td><td>/</td><td>/</td><td>/</td><td>/</td><td>/</td> </tr> </tbody> </table>				Input Mode	Second data of CM08> 559	Number of Dial 0 pressing																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Alphabet	0	!	”	#	\$	%	&	'	()	*	+	,	-	.	/	:	1	;	<	=	>	?	@	[¥]	^	_	'	{		}	(space)			(space)	-	_	'	&	@	.	,	:	;	/	/	/	/	/	/
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560	Action of monitoring station after the hold/hooking key is pressed in the monitored station or the monitored station becomes idle [Series 3500]	0 1◀	Keep monitoring Stop monitoring																																																																																							

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
563	Information to display on the middle line of the D ^{term} /ATTCON LCD when forwarding a trunk call to the D ^{term} /ATTCON by Call Forwarding-All Calls/Don't Answer (No Answer)/Busy Line/Not Available [Series 3800]	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 D ^{term} . [Series 3600]	0 1◀	The first forwarding number via CCIS The second forwarding number of own office
566	SPDT sending after the redial key on a D ^{term} is pressed for the second time or more [Series 3600]	0 1◀	Stop sending Keep sending
567	Automatic Idle Return in case the ORT time out occurs after the Redial/Speaker key is pressed with the D ^{term} is on-hook condition [Series 3600]	0 1◀	Not available Available
NOTE: This command is effective only when CM08>172 is set to 1.			
570	Whether the access codes of Single-Digit Feature Access Code feature are fixed or not [Series 3600]	0 1◀	Programmable Access Code Fixed Access Code
576	Attendant/Station Night Transfer when a station/trunk call is terminated to Attendant Position/station Night mode is set [Series 3700 R12.1]	0 1◀	To provide Not provided
577	Changing the ringing tone depend on Day Mode/Night Mode Change [Series 3700 R12.2]	0 1◀	To provide Not provided
578	Use of Record key assigned by CM90 Y=00: F5026 for Voice Mail Live Record-CCIS [Series 3700 R12.1]	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 [Series 3700 R12.1]	0 1◀	To send Not sent

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
580	Duration of displaying the name when the incoming call is answered/the select key for Calling Number Display and Calling Name Display or CID key is pressed [Series 3700 R12.2]	0 1 ◀	6 seconds Until call is finished/key is pressed again
582	Date display when searching a message set by Message Reminder from D ^{term} [Series 3800]	0 1 ◀	To display Not displayed
583	Whether the calling number is automatically stored or not when the station call via CCIS is abandoned [Series 3800]	0 1 ◀	To store Not stored
584	Caller ID sent to ISDN terminal when terminating a call from Single Line Telephone/D ^{term} to ISDN terminal [Series 3800]	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 [Series 3800]	0 1 ◀	Effective Ineffective
<p>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</p>			
588	CID Call Back when an incoming call is forwarded, when a station to which a call is terminated is busy, or when a station to which a call is terminated is set Do Not Disturb [Series 3900]	0 1 ◀	To provide Not provided
<p>NOTE: CID Call back by this command is available under the following conditions.</p> <ul style="list-style-type: none"> • The D^{term} station line is set to Call Forwarding-All Calls/Call Forwarding-Busy Line/Call Forwarding-Don't Answer (No answer)/Call Forwarding-D^{term} IP logout when a trunk call is terminated. • The D^{term} station line is set to Do Not Disturb when a trunk call is terminated. • The D^{term} station line received the incoming call is busy when a trunk call is terminated. 			
589	Operation for calling number automatically storing per station when the number of calling number is over the maximum [Series 3900]	0 1 ◀	To delete the oldest calling number and store the new calling number Not stored the new calling number
<p>NOTE: This command is effective only for automatically storing calling number of trunk calls.</p>			

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 600-699			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
600	Selection of trunk route seized for Call Forwarding-All Calls/ Busy Line/Don't Answer (No Answer)-Outside, Split Call For- warding-All Calls/Busy Line/Don't Answer (No Answer)-Out- side	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	Caller ID/CPN/ANI to Single Line Telephone from CCIS	0 1 ◀	To provide Not provided
606	Link Reconnect-CCIS	0 1 ◀	Not provided To provide
607	Reconnect the CCIS link when a call is connected to UCD Delay Announcement 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
614	When IP trunk of originating office in CCIS over IP connection (Point-to-Multipoint connection) cannot connect with a net- work, a non-trunk correspondence message is sent to destina- tion office via other IP trunk [Series 3200 R6.2 (R6.2)]	0 1 ◀	To send Not sent
<p>NOTE 1: <i>Non-trunk correspondence message is the message sent to destination office when the following ser- vice is provided.</i> <i>Call Back-CCIS</i> <i>Centralized Billing-CCIS</i> <i>Centralized Day/Night Mode Change-CCIS</i> <i>Message Waiting Lamp Setting-Attendant/Station-CCIS</i> <i>Voice Call-CCIS</i> <i>Centralized MAT-CCIS</i> <i>Fault Message</i> <i>Busy Lamp Field (BLF)-CCIS</i> <i>Voice Mail Integration-CCIS</i></p> <p>NOTE 2: <i>This service is effective only for CCIS over IP connection (Point-to Multipoint connection) using IPT card.</i></p> <p>NOTE 3: <i>This service is necessary to set other destination CCH as seizure sequence by CMA7 Y=63.</i></p>			
Continued on next page			

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
624	Alternative Routing when the MB switch of IPT/IP-PAD card is ON/LAN cable of IPT/IP-PAD card is pulled out in tandem office or when all outgoing trunks of tandem office are make busy condition [Series 3600]	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 EU] [Series 3200 R6.2 (R6.2)]	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 EU] [Series 3200 R6.2 (R6.2)]	0 1 ◀	Not connected To connect
628	Link Reconnect-Peer-to-peer CCIS [Series 3300]	0 1 ◀	To provide Not provided
NOTE: This command is effective when CM08>606 is set to 1.			
629	Connected line number indication on ATTCON/DESKCON display in ETSI ISDN Connected Line Identification Presentation (COLP) [For EU] [Series 3300]	0 1 ◀	Not provided To provide
633	Trunk access code display when a call terminates via ETSI ISDN [For EU] [Series 3300]	0 1 ◀	Available Not available
644	ETSI ISDN Overlap Sending [For EU] [Series 3300]	0 1 ◀	To provide Not provided
<div style="border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">BRT INITIAL</div> <div style="border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">DTI INITIAL</div>			
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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
649	Ringer Tone Pattern providing for CCIS/SIP incoming call [Series 3600]	0 1 ◀	To provide Not provided
655	Operation when the ORT/T302 time out occurs [Russia Only] [Series 3600]	0 1 ◀	Stop connecting Keep connecting
664	Operation of hooking/call holding after a station receives warning SST for forced disconnection [Series 3500]	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 [Series 3500]	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) [Series 3600]	0 1 ◀	To provide (CGC sending) Not provided (CFL sending)
669	Sending the station status type to the destination office when the D ^{term} /ATTCON calls a station set the DND over CCIS [Series 3700 R12.1]	0 1 ◀	To send DND setting To send the restriction
672	Releasing the path by RTP monitoring via SIP card [Series 3700 R12.2]	0 1 ◀	To provide Not provided
NOTE: When the second data of CM08>672 is set to 0, the path is released when the SIP card does not receive RTP for 10 seconds after establishing the path.			
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 [Series 3700 R12.1]	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 [Series 3700 R12.2]	0 1 ◀	As per CM08>677 CALL PROC + DISC

Continued on next page

COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀: Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
677	Output message which is sent from PBX to ISDN network when the 2nd line is released by Mobility Access hooking [Series 3700 R12.2] 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
679	Registering fault information (fault kind 43) by RTP monitoring via SIP card [Series 3700 R12.2] NOTE 1: This command is effective when the fault information (fault kind 43) is assigned by CMEA Y=2. NOTE 2: When the second data of CM08>679 is set to 1, the registering fault information (fault kind 43) by RTP monitoring via SIP card is performed as follows. <ul style="list-style-type: none"> • When releasing the path by RTP monitoring via SIP card is provided (CM08>672: 0), the fault information (fault kind 43) is registered whenever the path is released by RTP monitoring. • When releasing the path by RTP monitoring via SIP card is not provided (CM08>672: 1), the fault information (fault kind 43) is registered only one time. 	0 1◀	Not provided To provide
699	“DND” display on D ^{term} /ATTCON when the D ^{term} /ATTCON calls a station set the DND over CCIS [Series 3600]	0 1◀	To provide Not provided


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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 700-735			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
700	ON/OFF condition for external relay/external key on MP built-in DK00 card	0 1◀	ON (Ground Start) OFF (Ground Off [Open]) ON (Ground Off [Open]) OFF (Ground Start)
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: 1st data=0 is effective only when CM08>379: 0.	0 1◀	To send Not sent
704	The following signal is sent to VMS <ul style="list-style-type: none"> • 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: 1st 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 MP RS-232C port	0 1◀	6 digits 8 digits
709	MCI message format sent to VMS from MP RS-232C port	0 1◀	Format with ANI Format without ANI

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
713	Station number sent to VMS when accessing VMS from a sub-line assigned on D ^{term}	0 1◀	Subline station number My Line station number
715	Soft Keys for Call Screening feature	0 1◀	Available Not available
722	Sending of expanded information on Low Layer Compatibility (LLC) information element for connection between ISDN terminal/ISDN trunks [Series 3200 R6.2 (R6.2)]	0 1◀	Allow Restricted
723	Check of the LAN cable of IP-PAD card is pulled out in Alternative Routing by a fault occurrence [Series 3600]	0 1◀	To check Not checked
728	Sending Service Set Tone to participants when a new participant attends the conference [Series 3500]	0 1◀	Not sent To send
734	Method of specifying the starting AMP relay circuit [Other than EU] [Series 3900]	0 1◀	To specify by Access Code To specify per trunk
<p>NOTE 1: Set the second data to 0 when one Paging trunk is connected with multiple AMP relay circuits or with two AMP relay circuits simultaneously.</p> <p>NOTE 2: Set the second data to 1 when one Paging trunk is connected with one AMP relay circuit.</p>			
735	Method of connection the starting AMP relay circuit [Other than EU] [Series 3900]	0 1◀	To connect with two AMP relay circuits To connect with one AMP relay circuit
<p>NOTE 1: This command is effective only when the second data of CM08>734 is set to 0.</p> <p>NOTE 2: Set the second data to 0 when one Paging trunk is connected with two AMP relay circuits simultaneously.</p> <p>NOTE 3: Set the second data to 1 when one Paging trunk is connected with multiple AMP relay circuits or with one AMP relay circuit.</p>			

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 800-851			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
800	Call record of Centralized Billing-CCIS for local office [Series 3400]	0 1◀	Using MP built-in SMDR Using PN-AP00-B/PN-AP00-D with AP00/MRCA program
801	Send Office Number to Center Office for Centralized Billing-CCIS NOTE: <i>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.</i>  See CMA7 Y=06, 07	0 1◀	To send Not sent
803	MP built-in SMDR 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 PS
805	OAI SMFN STS (Status) when the forwarded call with Call Forwarding-No Answer (Don't Answer) is terminated to a station (SMFN FID=3/1) [Series 3300]	0 1◀	SMFN STS=5/6 SMFN STS=1
806	Action when the number of Wake Up calls exceeds the maximum number assigned by CM42>04.	0 1◀	Restrict Wake Up call setting Set to 5 or 10 minutes prior to preset time
808	OAI SMFN STS (status) when a station answers the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer (Don't Answer) (SMFN FID=2) [Series 3300]	0 1◀	SMFN STS=5/6/7 SMFN STS=0
809	Select trunk when Answer Call [Series 3400]	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) [Series 3300]	0 1◀	SMFN STS=4/5 SMFN STS=1
815	Send OAI SMFN when Recall Exclusive Hold [For EU] [Series 3400]	0 1◀	To send Not sent

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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) [Series 3400]	0	To provide
	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 [Series 3400]	1 ◀	Not provided
817	OAI SMFN STS (status) when the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer (Don't Answer) is terminated to a station via CCIS (SMFN FID=1) [Series 3400]	0	SMFN STS=4/5/6
	OAI SMFN STS (status) when a station answers via CCIS the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer (Don't Answer) (SMFN FID=2) [Series 3400]	1 ◀	SMFN STS=0
818	Send OAI SMFN when Exclusive Hold [For EU] [Series 3400]	0	To send
		1 ◀	Not sent
820	Display of the monetary unit for ISDN call charge [Series 3600]	0	Monetary unit is not displayed
	NOTE: When setting the second data to 1 and CM04 Y=00>00 is set to 01-31, \$ is displayed. Set this command when monetary unit is not displayed in the area where a dollar is not used.	1 ◀	As per CM04 Y=00>00
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). [Series 3500]	0	Ineffective
		1 ◀	Effective
824	DID Development Table for guest station [Series 3900]	0	Development Table 1 for DID number assigned by CM76 Y=90
		1 ◀	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.			

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
825	Number of digits for a sequence used to communicate with the PMS [Series 3400]	0 1◀	3 digits (000-199) 2 digits (00-99)
826	Timing that the system sends a recovery process request to the PMS [Series 3400]	0 1◀	At every connection establishment At the first connection establishment only since system initialization
827	Parity check for MP Built-in SMDR on IP [Series 3400]	0 1◀	None parity Parity as for CM08>828
828	Kind of parity for MP Built-in SMDR on IP [Series 3400]	0 1◀	Odd parity Even parity
830	Kind of Center Office for Centralized Billing-CCIS [Series 3400]	0 1◀	2000 IPS 2400 IPX
<p>NOTE: <i>This command is available in following conditions.</i></p> <ul style="list-style-type: none"> - <i>Output Message Format of SMDR: NEAX 2400 IMS Extended Format</i> - <i>Local Office: 2000 IPS</i> 			
835	Printing of each hotel feature record with the printer that is connected to the PMS using the PN-AP00-B/PN-AP00-D card (with MRCA program) [Series 3600]	0 1◀	Available Not available
836	System clock used for the SMDR output of outgoing/incoming call [Series 3600]	0 1◀	System clock of site that the seized trunk is accommodated (for outgoing call)/System clock of site that the terminated trunk is accommodated (for outgoing call) System clock of Main Site
837	System clock used for the SMDR output of station-to-station call [Series 3600]	0 1◀	System clock of the site that the seized trunk/calling station is accommodated System clock of Main Site
839	Sending of OAI SMFN with intermediate information via OAI queue [Series 3600]	0 1◀	To send Not sent

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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 [Series 3700 R12.1]	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] [Series 3700 R12.2]	0 1 ◀	To send (dollar/euro charge) Not sent (call unit)
<p>NOTE 1: To send AOC to PMS, set the data as follows. CM08>841:0, CM08>404:1, CM42 Y=69, 70</p> <p>NOTE 2: To send call unit to PMS, set the data as follows. CM08>841:1, CM08>404:1</p>			
846	Setting CAMP ON to the destination when Call Forwarding-All Calls is set by SCF FID=19 [Series 3700 R12.2]	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 [Series 3700 R12.2]	0 1 ◀	To send Not sent
849	Send virtual station number (CM11) to SMDR when the call to the virtual station is transferred by Call Forwarding-All Calls/ Busy Line/Don't Answer (No Answer)-Outside [Series 3800]	0 1 ◀	To display Not displayed
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 [Series 3800]	0 1 ◀	Set it to one minute ahead Restricted
<p>NOTE 1: 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.</p> <p>NOTE 2: This command is ineffective when Wake Up Call is set from PMS.</p>			
851	Send OAI SMFN STS (status) 3-9/3-10 when a call in OAI queuing is ACD/UCD [Series 3800]	0 1 ◀	To send Not sent

Continued on next page

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
BASIC SERVICE FEATURE: 900, 904			
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
900	Selection of RS-232C port used for downloading the VMS Soft Key data NOTE: <i>When Port 1 is used for Built-in MODEM, the Port 1 cannot be used for downloading the VMS Soft Key data.</i>	0 1◀	Port 1 Port 0
904	System clock used for the date pattern/time pattern in LCR service [Series 3600]	0 1◀	System clock of the site that the seized trunk/calling station is accommodated System clock of Main Site

COMMAND CODE	TITLE:		
09	ADDITIONAL SERVICE FEATURES		INITIAL
FUNCTION:			
This command is used to assign additional features on a system-wide basis.			
PRECAUTION:			
This command requires the system reset after data setting.			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + 09 + \boxed{\text{DE}} + \begin{matrix} \text{ADDITIONAL SERVICE} \\ \text{FEATURE} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA (0/1)} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{EXE}}$			
◀: Initial Data			
ADDITIONAL SERVICE FEATURE		SETTING DATA	
52	MF/MFC Signaling/Enhanced 911	0◀	To provide
		1	Not provided

COMMAND CODE	TITLE:	IP-PAD INITIAL
0A	LAN INTERFACE ASSIGNMENT	SIP INITIAL IPT INITIAL

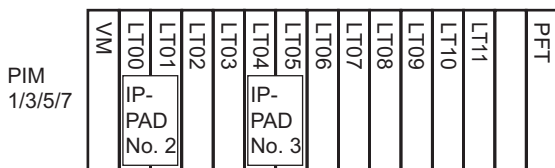
FUNCTION:

This command is used to provide LAN interface for accommodating D^{term}IP or H.323 IP trunks/SIP trunks.

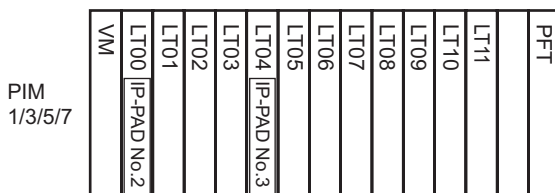
PRECAUTION:

- (1) LAN interface numbers which can be used by the system is 00-15 (Series 3200 R6.1 (R6.1) or before) or 00-31 (Series 3200 R6.2 (R6.2) or later).
- (2) LAN interface numbers should use 00-31 for H.323 IPT cards.
Maximum number of LAN interface numbers used for H.323 IPT cards is 8 per system.
Use the LAN Interface number 00-31.
- (3) In the Remote PIM over IP system, maximum 32 LAN Interface number can be assigned for IP-PAD cards. LAN Interface number 00-31 can be used.
[Series 3200 R6.2 (R6.2)]
- (4) IP-PAD serial number (CM0A Y=00) must be set according to the accommodated PIM and slot as follows.
 - When accommodated in odd numbered PIM (PIM1/3/5/7)

PN-32IPLA/PN-32IPLA-A



PN-8IPLA



Continued on next page

COMMAND CODE	TITLE:	IP-PAD INITIAL
0A	LAN INTERFACE ASSIGNMENT	SIP INITIAL IPT INITIAL

- When accommodated in even numbered PIM (PIM0/2/4/6)

PN-32IPLA/PN-32IPLA-A

PIM 0/2/4/6	VM	LT00	LT01	LT02	LT03	LT04	LT05	LT06	LT07	LT08	LT09	LT10	LT11	MP12/FP12	PFT
		IP-PAD No. 0				IP-PAD No. 1									

PN-8IPLA

PIM 0/2/4/6	VM	LT00	LT01	LT02	LT03	LT04	LT05	LT06	LT07	LT08	LT09	LT10	LT11	MP12/FP12	PFT
		IP-PAD No. 0				IP-PAD No. 1									

- (5) LAN interface number should use 00-31 for SIP cards.
 Maximum number of LAN interface numbers used for SIP cards is 2 per system.
 Use the LAN interface number 00-31.

ASSIGNMENT PROCEDURE:

[ST] + 0AYY + [DE] + 1ST DATA (2-4 digits) + [DE] + 2ND DATA (1-12 digits) + [EXE]

COMMAND CODE	TITLE:	IP-PAD INITIAL
0A	LAN INTERFACE ASSIGNMENT	SIP INITIAL IPT INITIAL

DATA TABLE:

Y=00-37

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	LAN Interface number for IP-PAD/H.323 IPT/SIP	00 ? 31	LAN Interface number	XXZ	XX: FP number 00-31 which accommodates the IP-PAD Z : IP-PAD number 0-3 No data
				NONE◀	
				XX0	XX: AP number 04-15, 20-31 of PN-8IPTA/PN-IPTB No data
01	IP Address of LAN Interface for IP-PAD/H.323 IPT/SIP NOTE			000000000000 ? 255255255255 NONE◀	IP Address No data
				000000000000 ? 255255255255 NONE◀	Subnet Mask No data
				000000000000 ? 255255255255 NONE◀	Default Gateway No data
09	Location number of LAN Interface for IP-PAD			00 ? 63 NONE◀	Location number Location number 00

NOTE: To provide the Virtual LAN (VLAN) function with each LAN interface of the IP-PAD card, clear the IP Address and Subnet Mask that has been set by CM0A Y=01 and 02 after setting the data by CM0A Y=54 and 55.

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL IPT INITIAL	
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	TCP/UDP/RTP Port of LAN Interface 00 for SIP/IP-PAD	90	UDP Port for Voice control	01024 ?	TCP/UDP/RTP Port number
11	TCP/UDP/RTP Port of LAN Interface 01 for SIP/IP-PAD	92	TCP Base Port for H.245 control	65534 NONE◀	1st data=90: 50000 (Port number 50000 is used)
12	TCP/UDP/RTP Port of LAN Interface 02 for SIP/IP-PAD	93	RTP Base Port for Voice Packet transmitting/receiving		1st data=92: 6000 (Port number 6000-7024 are used)
13	TCP/UDP/RTP Port of LAN Interface 03 for SIP/IP-PAD	94	UDP Port for SIP control packet [Series 3600]		1st data=93: 10000 (Port number 9998-10317 are used)
14	TCP/UDP/RTP Port of LAN Interface 04 for SIP/IP-PAD				1st data=94: 05060 (Port number 05060 is used)
15	TCP/UDP/RTP Port of LAN Interface 05 for SIP/IP-PAD				NOTE 1: 10 ports from the TCP/UDP/RTP Port number are used per LAN Interface.
16	TCP/UDP/RTP Port of LAN Interface 06 for SIP/IP-PAD				NOTE 2: Set this data when the router or firewall provides the restriction by the TCP port.
17	TCP/UDP/RTP Port of LAN Interface 07 for SIP/IP-PAD				NOTE 3: The same port number cannot be used for the port number which UDP Port for Voice control (1st data=90), TCP Port for H.245 control (1st data=92) and RTP Port for Voice Packet transmitting/receiving (1st data=93).

Continued on next page

COMMAND CODE		TITLE:				IP-PAD INITIAL
0A		LAN INTERFACE ASSIGNMENT				SIP INITIAL
						IPT INITIAL
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
21	Echo Canceller for IP-PAD	00 ∟ 31	LAN Interface number	0 1◀	Echo Canceller OFF Echo Canceller ON	
<p>NOTE 1: This command is available when PN-32IPLA/PN-32IPLA-A is used. For this feature, Series 3200 R6.2 software or before is required.</p> <p>NOTE 2: Assign the Echo Canceller control by CM67 Y=03 in the conditions as follows.</p> <ul style="list-style-type: none"> • Series 3200 R6.2 software or later is used. • PN-8IPLA is used. 						
22	NLP control for IP-PAD [Series 3200 R6.2 (R6.2)]	00 ∟ 31	LAN Interface number	0 1◀	Available Not available	
<p>NOTE 1: This command is available when PN-32IPLA/PN-32IPLA-A is used. For this feature, Series 3200 R6.2 software or before is required. When Series 3200 R6.2 or later is used, the Non Linear Processor Control is always provided.</p> <p>NOTE 2: Set the second data to "0" usually.</p>						
23	Sending PAD level for SIP/ IP-PAD	00 ∟ 31	LAN Interface number	00 ∟ 16 NONE◀	0 dB PAD ∟ -16 dB PAD 0 dB PAD	
<p>NOTE 1: Set the PAD level by CM67 Y=02, when using Series 3200 R6.2 (R6.2) software or later.</p> <p>NOTE 2: Set the second data in range of 0 to 14 dB (14 dB Loss), when using the PN-8IPLA/PN-8IPTA card. This data is available only when the second data is set to 6 fixed by CM35 Y=19 when using the PN-8IPTA card.</p>						
24	Receiving PAD level for SIP/IP-PAD	00 ∟ 31	LAN Interface number	00 ∟ 16 NONE◀	0 dB PAD ∟ -16 dB PAD 0 dB PAD	
<p>NOTE 1: Set the PAD level by CM67 Y=02, when using Series 3200 R6.2 (R6.2) software or later.</p> <p>NOTE 2: Set the second data in range of 0 to 14 dB (14 dB Loss), when using the PN-8IPLA/PN-8IPTA card. This data is available only when the second data is set to 6 fixed by CM35 Y=19 when using the PN-8IPTA card.</p>						

Continued on next page

COMMAND CODE	TITLE:	(IP-PAD INITIAL)
0A	LAN INTERFACE ASSIGNMENT	(SIP INITIAL) (IPT INITIAL)

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
29	Type of Service (TOS) field Precedence for IP-PAD	00 ∟ 31	LAN Interface number	XZ NONE◀	X: PRECEDENCE 0-7 for voice packet Z: PRECEDENCE 0-7 for control packet 56
<p>NOTE 1: Set the TOS field precedence by CM67 Y=01, when using Series 3200 R6.2 (R6.2) software or later.</p> <p>NOTE 2: The priority of PRECEDENCE 0-7 is as follows. PRECEDENCE 0: Lowest priority ∟ PRECEDENCE 7: Highest priority</p>					

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL IPT INITIAL	
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
30	TCP/UDP/RTP Port of LAN Interface 08 for SIP/IP-PAD	90	UDP Port for Voice control	01024 ?	TCP/UDP/RTP Port number
31	TCP/UDP/RTP Port of LAN Interface 09 for SIP/IP-PAD	92	TCP Base Port for H.245 control	65534 NONE◀	1st data=90: 50000 (Port number 50000 is used)
32	TCP/UDP/RTP Port of LAN Interface 10 for SIP/IP-PAD	93	RTP Base Port for Voice Packet transmitting/receiving		1st data=92: 6000 (Port number 6000-7024 are used)
33	TCP/UDP/RTP Port of LAN Interface 11 for SIP/IP-PAD	94	UDP Port for SIP control packet [Series 3600]		1st data=93: 10000 (Port number 9998-10317 are used)
34	TCP/UDP/RTP Port of LAN Interface 12 for SIP/IP-PAD				1st data=94: 05060 (Port number 05060 is used)
35	TCP/UDP/RTP Port of LAN Interface 13 for SIP/IP-PAD				NOTE 1: 10 ports from the TCP/UDP/RTP Port number are used per LAN Interface.
36	TCP/UDP/RTP Port of LAN Interface 14 for SIP/IP-PAD				NOTE 2: The same port number cannot be used for the port number which UDP Port for Voice control (1st data=90), TCP Port for H.245 control (1st data=92) and RTP Port for Voice Packet transmitting/receiving (1st data=93).
37	TCP/UDP/RTP Port of LAN Interface 15 for SIP/IP-PAD				

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COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL IPT INITIAL	
Y=50-93					
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
50	IP-PAD card number of LAN Interface for IP-PAD	00 ? 31	LAN Interface number	0 ? 7	Card Number of IP-PAD NOTE: Set this data only when the card number of the IP-PAD is set by CM10.
51	VLAN function for SIP/IP-PAD [Series 3100]			0 1◀	To provide Not provided
52	Priority of VLAN ID for SIP/IP-PAD [Series 3100]			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 1
53	VLAN ID for SIP/IP-PAD [Series 3100]			0001 ? 4094 NONE◀	VLAN ID NOTE 2 NOTE 3 No data
54	IP Address for VLAN for SIP/IP-PAD [Series 3100]			000000000000 ? 255255255255 NONE◀	IP Address NOTE 4 No data
55	Subnet Mask for VLAN for SIP/IP-PAD [Series 3100]			000000000000 ? 255255255255 NONE◀	Subnet Mask NOTE 4 No data

NOTE 1: The higher number has higher priority.

NOTE 2: One VLAN ID can be set to each LAN interface of the IP-PAD card.

NOTE 3: VLAN ID 0 is not available.

NOTE 4: To provide the Virtual LAN (VLAN) function with each LAN interface of the SIP card/IP-PAD card, clear the IP Address and Subnet Mask that has been set by CM0A Y=01 and 02 after setting the data by CM0A Y=54 and 55.

Continued on next page

COMMAND CODE		TITLE:				IP-PAD INITIAL
0A		LAN INTERFACE ASSIGNMENT				SIP INITIAL
						IPT INITIAL
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
60	Primary IP Address for DNS server [Series 3600]	00 ? 31	LAN Interface number	aaa bbb ccc ddd	IP Address for DNS server aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255	
61	Secondary IP Address for DNS server [Series 3600]			NONE◀	No data	
62	Tertiary IP Address for DNS server [Series 3600]					
NOTE: Set the IP Address of DNS server only when using the domain name to describe URL.						
65	Global IP Address for IP-PAD of Remote Site of Remote PIM over IP when IP-PAD is controlled by NAT [Series 3700 R12.1]	00 ? 31	LAN Interface number	000000000000 ? 255255255255 NONE◀	Global IP Address for IP-PAD No data	
NOTE: Assign the converted IP Address by NAT when NAT controls the IP-PAD.						
70	IP-PAD Group Number [Series 3100]	XXZ	XX: LAN Interface Number (00-31) Z : 16VCT Number (0/1)	00 ? 31 NONE◀	IP-PAD group number 00 ? IP-PAD group number 31 IP-PAD group number 00	

Continued on next page

COMMAND CODE	TITLE:	IP-PAD INITIAL
0A	LAN INTERFACE ASSIGNMENT	SIP INITIAL IPT INITIAL

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
71	Connection via IP-PAD without 16VCT [Series 3100]	00 ∟ 31	LAN Interface number	0 1◀	Restrict connection of IP-PAD without 16VCT Connect with G.711 fixed
72	Characteristic level setting of each IP-PAD channel [Series 3200 R6.1 (R6.1)]	XXZZ	XX: LAN Interface Number (00-31) ZZ: IP-PAD Channel Number (00-31)	00-07, 10-17 NONE◀	Characteristic level No. No data NOTE

NOTE: Characteristic level number is shown in table below.

Level	Destination Terminal/Trunk (via TDSW)
7	COT/LDT/DIT/ODT
6	Single line telephone (including LLC connection)
5	PRT/BRT
4	DTI
3	PS
2	D ^{term} /AD-8/Paging equipment/ATTCON (SN708/709/712/741)/SN716 DESKCON
1	External BGM source/CFT/DAT
0	IPT
10-17	Fixed allocation to specific Trunk Route/Service Restriction Class

Continued on next page

COMMAND CODE		TITLE:				IP-PAD INITIAL
0A		LAN INTERFACE ASSIGNMENT				SIP INITIAL
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
73	Number of channels used in the IP-PAD card [Series 3300]	00 ∟ 31	LAN Interface Number	00 01 02 07◀	8 channel used (8 ports are occupied) 16 channel used (16 ports are occupied) 24 channel used (24 ports are occupied) When accommodating PN-8IPLA (when only basic card is used): 8 channel used (8 ports are occupied) When accommodating PN-8IPLA (when expansion card PZ-24IPLA is used)/PN-32IPLA/PN-32IPLA-A: 32 channel used (32 ports are occupied)	
NOTE: For the PN-8IPLA card, when setting all channels to be make busy by this data, the card cannot start up.						
74	Threshold of Smooth PAD (limit function of voice level) to each destination trunk/terminal via TDSW (characteristic level) [Series 3300]	XXZZ	XX: LAN Interface Number (00-31)/ All LAN Interface Number (99) ZZ: Characteristic level No. (00-07,10-17)	00 01 02 03 NONE◀	Smooth PAD OFF -8 dBm -5 dBm -2 dBm NOTE	

Continued on next page

COMMAND CODE	TITLE:	IP-PAD INITIAL
0A	LAN INTERFACE ASSIGNMENT	SIP INITIAL IPT INITIAL

NOTE: *Default setting is shown in table below. Follow the initial data settings usually.*

Level	Destination Terminal/Trunk	Default Settings	
		PN-8IPLA	PN-32IPLA/ PN-32IPLA-A
7	COT/LDT/DIT/ODT	-5 dBm	Smooth PAD OFF
6	Single line telephone (including LLC connection)	-2 dBm	
5	PRT/BRT		
4	DTI		
3	PS		
2	D ^{term} /AD-8/Paging equipment/ATTCON (SN708/709/712/741)/ SN716 DESKCON		
1	External BGM source/CFT/DAT		
0	IPT		
10-17	Fixed allocation to specific Trunk Route/Service Restriction Class		

Continued on next page

COMMAND CODE		TITLE:				IP-PAD INITIAL
0A		LAN INTERFACE ASSIGNMENT				SIP INITIAL
						IPT INITIAL
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
75	DTMF inband mode for PN-8IPLA (IP-PAD) [Series 3300]	00 ∟ 31	LAN Interface number	0 1◀	In-band mode (Voice pass through) Out-band mode (with H.245 UII)	
76	Provide the call log collection with the PN-8IPLA (IP-PAD)/PN-8IPTA (SIP) [Series 3500]	00 ∟ 31	LAN Interface number	0 1◀	To provide Not provided	
NOTE: When changing this data of IP-PAD accommodated in a remote site, execute the office data copy by CMEC Y=8 to the remote site.						
77	Provide the fault log collection with the PN-8IPLA (IP-PAD) [Series 3500]	00 ∟ 31	LAN Interface number	0 1◀	Not provided To provide	
78	Tone Disabler for the FAX communication on the SIP card [Series 3700 R12.2]	00 ∟ 31	LAN Interface number	0 1◀	Available Not available	
NOTE 1: To provide Tone Disabler, firmware version of SC-3591 IPS IPTT PROG-B1 or later of SIP card is required.						
NOTE 2: Tone Disabler is a feature to improve FAX communication rate. When detecting V.25 tone (2100 Hz) with phase inversion, Echo Cancellor/NLP (Non Linear Processor) is set to OFF. When detecting V.25 tone (2100 Hz) without phase inversion, Echo Cancellor/NLP (Non Linear Processor) is set as same as voice setting.						
79	SIP trunk source IP address check [Series 3800]	00 ∟ 31	LAN Interface number	0 1◀	To provide Not provided	
NOTE: This feature is ineffective when CMA7 Y=46 is set to 0 (Point-to-Multipoint connection).						

Continued on next page

COMMAND CODE		TITLE:				IP-PAD INITIAL
0A		LAN INTERFACE ASSIGNMENT				SIP INITIAL
						IPT INITIAL
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
80	Provide the FAX communication feature for the LAN Interface on the IP-PAD card [Series 3200 R6.2 (R6.2)]	00 ∟ 31	LAN Interface number	0 1◀	To provide Not provided	
NOTE: To avoid the misdetection, set the second data to 1 when the IP-PAD card does not provide the FAX communication feature.						
81	FAX mode detection timer to the LAN Interface of the IP-PAD card [Series 3200 R6.2 (R6.2)]	00 ∟ 31	LAN Interface number	1 2 3 4 5 6 7 NONE◀	Always detect FAX mode Voice mode fixed 1 minute after starting communication 2 minutes after starting communication 3 minutes after starting communication 4 minutes after starting communication 5 minutes after starting communication 1 minute after starting communication	
NOTE: If the FAX mode timer is set to longer, a probability of mis-detection occurrence will be on the increase.						
82	Provide Error Correction Mode (ECM) function to the LAN Interface of the IP-PAD card [Series 3200 R6.2 (R6.2)]	00 ∟ 31	LAN Interface number	0 1◀	To provide Not provided	
NOTE: This data is effective only for Fax relay with T.30 using PN-32IPLA-A.						

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL	
				IPT INITIAL	
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
85	Baud of FAX communication to the LAN Interface of the IP-PAD card [Series 3200 R6.2 (R6.2)]	00 ∟ 31	LAN Interface number	0 1 2 3 4 5 NONE◀	2400 bps 4800 bps 7200 bps 9600 bps 12000 bps 14400 bps 14400 bps
92	RTCP sending timer for SIP trunk [Series 3800]	00 ∟ 31	LAN Interface number	000 001 ∟ 004 005 ∟ 120 CCC NONE◀	Not provided 5 seconds 5 seconds ∟ 120 seconds Clear Not provided
NOTE: We recommend setting the RTCP sending timer 5 seconds to enable RTCP function if there is no system administrator specification.					
93	RTCP sending pattern for SIP trunk [Series 3800]	00 ∟ 31	LAN Interface number	0 1◀	Random Fixed
NOTE 1: Although this command is set, RTCP sending is not performed when CM0A Y=92 is set to 000 or NONE.					
NOTE 2: Although CM0A Y=92 is set, RTCP sending is performed with Random timer in the 5 to 30 seconds range (500 ms. increments) when the second data is set to 0.					
NOTE 3: RTCP sending is performed following the setting of CM0A Y=92 when the second data is set to 1 (Fixed).					

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL	
				IPT INITIAL	
Y=100-115					
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
100	TCP/UDP/RTP Port of LAN Interface 16 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	90	UDP Port for Voice control	01024 ?	TCP/UDP/RTP Port number
		92	TCP Base Port for H.245 control	65534 NONE◀	1st data=90: 50000 (Port number 50000 is used)
101	TCP/UDP/RTP Port of LAN Interface 17 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	93	RTP Base Port for Voice Packet transmitting/receiving		1st data=92: 6000 (Port number 6000-7024 are used)
102	TCP/UDP/RTP Port of LAN Interface 18 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	94	UDP Port for SIP control packet [Series 3600]		1st data=93: 10000 (Port number 9998-10317 are used)
103	TCP/UDP/RTP Port of LAN Interface 19 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				1st data=94: 05060 (Port number 05060 is used)
104	TCP/UDP/RTP Port of LAN Interface 20 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				NOTE 1: 10 ports from the TCP/UDP/RTP Port number are used per LAN Interface.
105	TCP/UDP/RTP Port of LAN Interface 21 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				NOTE 2: The same port number cannot be used for the port number which UDP Port for Voice control (1st data=90), TCP Port for H.245 control (1st data=92) and RTP Port for Voice Packet transmitting/receiving (1st data=93).

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL IPT INITIAL	
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
106	TCP/UDP/RTP Port of LAN Interface 22 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	90	UDP Port for Voice control	01024 ?	TCP/UDP/RTP Port number
		92	TCP Base Port for H.245 control	65534 NONE◀	1st data=90: 50000 (Port number 50000 is used)
107	TCP/UDP/RTP Port of LAN Interface 23 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	93	RTP Base Port for Voice Packet transmitting/receiving		1st data=92: 6000 (Port number 6000-7024 are used)
108	TCP/UDP/RTP Port of LAN Interface 24 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	94	UDP Port for SIP control packet [Series 3600]		1st data=93: 10000 (Port number 9998-10317 are used)
109	TCP/UDP/RTP Port of LAN Interface 25 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				1st data=94: 05060 (Port number 05060 is used)
110	TCP/UDP/RTP Port of LAN Interface 26 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				NOTE 1: 10 ports from the TCP/UDP/RTP Port number are used per LAN Interface.
111	TCP/UDP/RTP Port of LAN Interface 27 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				NOTE 2: The same port number cannot be used for the port number which UDP Port for Voice control (1st data=90), TCP Port for H.245 control (1st data=92) and RTP Port for Voice Packet transmitting/receiving (1st data=93).

Continued on next page

COMMAND CODE		TITLE:		IP-PAD INITIAL	
0A		LAN INTERFACE ASSIGNMENT		SIP INITIAL IPT INITIAL	
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
112	TCP/UDP/RTP Port of LAN Interface 28 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	90	UDP Port for Voice control	01024 ?	TCP/UDP/RTP Port number
		92	TCP Base Port for H.245 control	65534 NONE◀	1st data=90: 50000 (Port number 50000 is used)
113	TCP/UDP/RTP Port of LAN Interface 29 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	93	RTP Base Port for Voice Packet transmitting/receiving		1st data=92: 6000 (Port number 6000-7024 are used)
114	TCP/UDP/RTP Port of LAN Interface 30 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]	94	UDP Port for SIP control packet [Series 3600]		1st data=93: 10000 (Port number 9998-10317 are used)
115	TCP/UDP/RTP Port of LAN Interface 31 for SIP/IP-PAD [Series 3200 R6.2 (R6.2)]				1st data=94: 05060 (Port number 05060 is used)
					NOTE 1: 10 ports from the TCP/UDP/RTP Port number are used per LAN Interface.
					NOTE 2: The same port number cannot be used for the port number which UDP Port for Voice control (1st data=90), TCP Port for H.245 control (1st data=92) and RTP Port for Voice Packet transmitting/receiving (1st data=93).

COMMAND CODE	TITLE:	INITIAL
0B	LAN DATA ASSIGNMENT	

FUNCTION:

This command is used to provide the LAN interface of the system, TCP/UDP port for use of the D^{term}IP and Virtual IP trunk (Virtual IPT), VLAN function, and Simple Network Management Protocol (SNMP).

PRECAUTION:

When providing Remote PIM over IP, set up the following Data for Main Site and Data for Remote Site. Only Data for Main Site is set up when not using Remote PIM over IP.

	Data for Main Site	Data for Remote Site
LAN data setting for the system	CM0B Y=00>00-02, 05, 40, 41, 98	CM0B Y=31-60>00-02, 05, 40, 41
VLAN data setting	CM0B Y=02>00-04	CM0B Y=31-60>30-34
Survival Mode	-	CM0B Y=31-60>50, 51, 52, 53
SNMP data setting	CM0B YY=03>00-02, 10, 11, 20-27, 30-33, 40-43, 50-53, 60-63, 70-77, 80-83, 90	CM0B Y=101-115>00-02, 10, 11, 20-27, 30-33, 40-43, 50-53, 60-63, 70-77, 80-83, 90
Remote Site number	-	CM0B Y=00>90

ASSIGNMENT PROCEDURE:

[ST] + 0BY + **[DE]** + 1ST DATA (2 digits) + **[DE]** + 2ND DATA (1-32 digits) + **[EXE]**

DATA TABLE:

Y=00-03

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	LAN data setting for the system	00	IP Address for the system NOTE	000000000000 ? 255255255255 NONE◀	IP Address No data

NOTE: To provide the VLAN function to the system, clear the IP Address and Subnet Mask for the system that has been set by CM0B Y=00>00 and 01 after setting the data by CM0B Y=02>03 and 04.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	LAN data setting for the system	01	Subnet Mask for the system NOTE 1	000000000000 ? 255255255255 NONE◀	Subnet Mask No data
		02	Default Gateway for the system	000000000000 ? 255255255255 NONE◀	Default Gateway No data
		05	Speed mode for the Main Site [Series 3400] NOTE 2	0 1◀	100 Mbps (Full-Duplex) Fixed Auto Negotiation
		40	Location number for stations accommodated in the Main Site [Series 3400] NOTE 3	00 ? 63 NONE◀	Location number 00 ? Location number 63 Location number 00
		41	Tenant number for stations accommodated in the Main Site [Series 3500]	00 ? 63 NONE◀	Tenant number 00 ? Tenant number 63 Tenant number 01 NOTE 4
		90	Remote Site number [Series 3200 R6.2 (R6.2)]	01 ? 30 NONE◀	Remote Site number 01 ? Remote Site number 30 No data (Main Site) NOTE 5, NOTE 6
		98	OAI port number [Series 3100]	0 1 2 3◀	OAI port number 1024 OAI port number 1025 OAI port number 1039 OAI port number 60030

Continued on next page

COMMAND CODE	TITLE:	INITIAL
0B	LAN DATA ASSIGNMENT	
<p>NOTE 1: <i>To provide the VLAN function to the system, clear the IP Address and Subnet Mask for the system that has been set by CM0B Y=00>00 and 01 after setting the data by CM0B Y=02>03 and 04.</i></p> <p>NOTE 2: <i>This data is only available to PZ-M606-A (ETHER) card.</i></p> <p>NOTE 3: <i>This data is available when location number is not assigned by CM12 Y=39, 50.</i></p> <p>NOTE 4: <i>For the visitor station in the visitor site, the tenant number set by this data is effective, even if the tenant number has been set by CM12 Y=04.</i></p> <p>NOTE 5: <i>This data must be set to the MP cards of each Remote Site.</i></p> <p>NOTE 6: <i>Since this data is written to the Flash Rom of MP card directly, the data cannot be saved/load-ed/verified. But the data can be cleared by the system data memory all clear.</i></p> <p style="text-align: right;">Continued on next page</p>		

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
02	VLAN data setting [Series 3100]	00	VLAN function	0 1◀	To provide Not provided NOTE 1
		01	Priority of VLAN ID	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 2
		02	VLAN ID	0001 ? 4094 NONE◀	VLAN ID No data NOTE 3 NOTE 4
		03	IP Address for VLAN	000000000000 ? 255255255255 NONE◀	IP Address No data NOTE 1
		04	Subnet Mask for VLAN	000000000000 ? 255255255255 NONE◀	Subnet Mask No data

NOTE 1: Clear the IP Address and the Subnet Mask for the system that have been set by CM0B
Y=00>00, 01.

NOTE 2: The higher number has higher priority.

NOTE 3: One VLAN ID can be set per system.

NOTE 4: VLAN ID 0 is not available.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	00	SNMP port [Series 3100]	0 1◀	Open SNMP port Not open SNMP port
		01	Community Name "admin" [Series 3100]	0 1◀	Allow (admin) Restrict (public)
NOTE: Restrict the use of community name "admin" (set the community name to "public") except the system construction.					
	Simple Network Management Protocol (SNMP) data setting	02	Trap is sent to the SNMP manager [Series 3200 R6.2 (R6.2)]	0 1◀	To send Not sent
		03	Definition of the IP address for the SNMP manager [Series 3300]	0 1◀	Subnet Mask of the IP address for the SNMP manager (First place) IP address for the SNMP manager (Fourth place)
		04	Kind of Trap message (Specific, Object ID) sent to SNMP manager [Australia Only] [Series 3600]	0 1◀	Variable Trap message by external alarm kind (MJ/MN/--) Fixed Trap message
		10	Community name (1/2) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	11	Community name (2/2) (17-25 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 18 digits: 9 characters) No data See Character Code Table in CM77.
		20	System information (sysDescr) (1/8) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) IPS See Character Code Table in CM77. NOTE: <i>If no data is set, "IPS" is set as System information.</i>
		21	System information (sysDescr) (2/8) (17-32 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		22	System information (sysDescr) (3/8) (33-48 characters) [Series 3200 R6.2 (R6.2)]		

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	23	System information (sysDescr) (4/8) (49-64 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		24	System information (sysDescr) (5/8) (65-80 characters) [Series 3200 R6.2 (R6.2)]		
		25	System information (sysDescr) (6/8) (81-96 characters) [Series 3200 R6.2 (R6.2)]		
		26	System information (sysDescr) (7/8) (97-112 characters) [Series 3200 R6.2 (R6.2)]		
		27	System information (sysDescr) (8/8) (113-128 characters) [Series 3200 R6.2 (R6.2)]		

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	30	Contact with the system manager (sysContact) (1/4) (1-16 characters) NOTE [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		31	Contact with the system manager (sysContact) (2/4) (17-32 characters) NOTE [Series 3200 R6.2 (R6.2)]		
		32	Contact with the system manager (sysContact) (3/4) (33-48 characters) NOTE [Series 3200 R6.2 (R6.2)]		

NOTE: CM0B Y=03>30-33 (Contact with the system manager) can be overwritten from the SNMP manager with maximum 255 characters after they are set by MAT. When the data is overwritten from the SNMP manager, be sure to execute the system data backup by MAT.

Continued on next page

COMMAND CODE	TITLE:	INITIAL
0B	LAN DATA ASSIGNMENT	

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	33	Contact with the system manager (sysContact) (4/4) (49-64 characters) NOTE [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.

NOTE: *CM0B Y=03>30-33 (Contact with the system manager) can be overwritten from the SNMP manager with maximum 255 characters after they are set by MAT. When the data is overwritten from the SNMP manager, be sure to execute the system data backup by MAT.*

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	40	System name (sysName) (1/4) (1-16 characters) NOTE [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		41	System name (sysName) (2/4) (17-32 characters) NOTE [Series 3200 R6.2 (R6.2)]		
		42	System name (sysName) (3/4) (33-48 characters) NOTE [Series 3200 R6.2 (R6.2)]		
		43	System name (sysName) (4/4) (49-64 characters) NOTE [Series 3200 R6.2 (R6.2)]		

NOTE: CM0B Y=03>40-43 (System name) can be overwritten from the SNMP manager with maximum 255 characters after they are set by MAT. When the data is overwritten from the SNMP manager, be sure to execute the system data backup by MAT.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	50	Location of system (sysLocation) (1/4) (1-16 characters) NOTE [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		51	Location of system (sysLocation) (2/4) (17-32 characters) NOTE [Series 3200 R6.2 (R6.2)]		
		52	Location of system (sysLocation) (3/4) (33-48 characters) NOTE [Series 3200 R6.2 (R6.2)]		
		53	Location of system (sysLocation) (4/4) (49-64 characters) NOTE [Series 3200 R6.2 (R6.2)]		

NOTE: CM0B Y=03>50-53 (Location of system) can be overwritten from the SNMP manager with maximum 255 characters after they are set by MAT. When the data is overwritten from the SNMP manager, be sure to execute the system data backup by MAT.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	60	IP Address for the destination of trap (First place) [Series 3200 R6.2 (R6.2)]	000000000000 ? 255255255255 NONE◀	IP Address for the destination of trap No data
		61	IP Address for the destination of trap (Second place) [Series 3200 R6.2 (R6.2)]		
		62	IP Address for the destination of trap (Third place) [Series 3200 R6.2 (R6.2)]		
		63	IP Address for the destination of trap (Fourth place) [Series 3200 R6.2 (R6.2)]		

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	70	Community name for the destination of trap (First place) (1/2) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		71	Community name for the destination of trap (First place) (2/2) (17-25 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 18 digits: 9 characters) No data See Character Code Table in CM77.
		72	Community name for the destination of trap (Second place) (1/2) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		73	Community name for the destination of trap (Second place) (2/2) (17-25 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 18 digits: 9 characters) No data See Character Code Table in CM77.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	74	Community name for the destination of trap (Third place) (1/2) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		75	Community name for the destination of trap (Third place) (2/2) (17-25 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 18 digits: 9 characters) No data See Character Code Table in CM77.
		76	Community name for the destination of trap (Fourth place) (1/2) (1-16 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 32 digits: 16 characters) No data See Character Code Table in CM77.
		77	Community name for the destination of trap (Fourth place) (2/2) (17-25 characters) [Series 3200 R6.2 (R6.2)]	XX...X NONE◀	Character Code by MAT/CAT (Maximum 18 digits: 9 characters) No data See Character Code Table in CM77.

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	80	IP Address for the SNMP manager (First place) NOTE [Series 3200 R6.2 (R6.2)]	000000000000 ? 255255255255 NONE◀	IP Address for the SNMP manager No data
		81	IP Address for the SNMP manager (Second place) NOTE [Series 3200 R6.2 (R6.2)]		
		82	IP Address for the SNMP manager (Third place) NOTE [Series 3200 R6.2 (R6.2)]		
		83	Required IP Address for the SNMP manager (Fourth place)/ Subnet Mask of the IP Address for the SNMP manager (First place) NOTE [Series 3200 R6.2 (R6.2)]		

NOTE: *If no IP address for the SNMP manager (first place to fourth place) are set, the access to the system is allowed to all SNMP managers.*

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
03	Simple Network Management Protocol (SNMP) data setting	90	IP Address for the trap source NOTE [Series 3200 R6.2 (R6.2)]	000000000000 ? 255255255255 NONE◀	IP Address for the trap source No data

NOTE: *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.*

Continued on next page

COMMAND CODE		TITLE:													
0B		LAN DATA ASSIGNMENT													
◻ INITIAL															
Y=10															
◀: Initial Data															
Y		1ST DATA		2ND DATA											
No.	MEANING	DATA	MEANING	DATA	MEANING										
10	UDP Base Port number of the PROTIMS port (NEC original UDP port) [Series 3200 R6.2 (R6.2)]	00-31	Virtual FP number	01024 ? 65535 NONE◀	UDP Base Port number See below <u>FP No.</u> <u>UDP Port No.</u> 00 50000 01 50064 02 50128 03 50192 . . . 31 51984										
<p>NOTE 1: Set the UDP Base Port number by CM0B Y=11, when using Series 3300 software or later.</p> <p>NOTE 2: 64 ports from the UDP Base Port number you set are assigned to Virtual FP number. If no data is set, the UDP port number is assigned to No. 50000-51984.</p> <p>NOTE 3: One port from the UDP Base Port number you set is assigned to the Virtual FP number automatically, when the second data of CM05 Y=6 is set to "1" (accommodated in remote site).</p> <p>NOTE 4: A UDP port is required to a D^{term}IP. Assign the necessary number of UDP port to Virtual FP number suitable for the number of D^{term}IPs.</p> <p>NOTE 5: Since the UDP port number 0-1023 is reserved for specific applications (Well-Known port), the UDP port number 0-1023 cannot be used.</p>															
	UDP port number of Registration Admission Status (RAS) port (NEC original UDP port for System-based DRS)	60	RAS port	00000 ? 01023 01024 ? 65534 NONE◀	<table border="0"> <tr> <td style="font-size: 2em; vertical-align: middle;">}</td> <td>UDP port number 3456</td> </tr> <tr> <td></td> <td>UDP port number 1024</td> </tr> <tr> <td></td> <td>?</td> </tr> <tr> <td></td> <td>UDP port number 65534</td> </tr> <tr> <td></td> <td>UDP port number 3456</td> </tr> </table>	}	UDP port number 3456		UDP port number 1024		?		UDP port number 65534		UDP port number 3456
}	UDP port number 3456														
	UDP port number 1024														
	?														
	UDP port number 65534														
	UDP port number 3456														

Continued on next page

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	Port number of Device Handler Manager (DHM) Self port [Series 3200 R6.2 (R6.2)]	70	Port number of DHM Self port which is used for the communication between main site and remote site	01024 ? 65534 NONE◀	DHM Self port number 1024 ? DHM Self port number 65534 DHM Self port number 3300
		<p>NOTE 1: 128 ports from Base Port number you set are assigned as DHM Self ports. 4 ports are used for the communication with one remote site. The DHM Self port number that is used for the communication with each remote site can be calculated as follows. The value of second data + 4 × (site number-1)</p> <p>NOTE 2: Since the DHM Self port number 0-1023 is reserved for specific applications (Well-Known port), the DHM Self port number 0-1023 cannot be used.</p>			

Continued on next page

COMMAND CODE	TITLE:	
0B	LAN DATA ASSIGNMENT	INITIAL

Y=11

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	UDP Base Port number of the PROTIMS port (NEC original UDP port) [Series 3300]	00-59	Virtual FP number	01024 ? 65535 NONE◀	UDP Base Port number See below <u>FP No.</u> <u>UDP Port No.</u> 00 50000 01 50064 02 50128 03 50192 ⋮ ⋮ ⋮ ⋮ 59 53776

- NOTE 1:** 64 ports from the UDP Base Port number you set are assigned to Virtual FP number. If no data is set, the UDP port number is assigned to No. 50000-53776.
- NOTE 2:** One port from the UDP Base Port number you set is assigned to the Virtual FP number automatically, when the second data of CM05 Y=6 is set to "1" (accommodated in remote site).
- NOTE 3:** A UDP port is required to a D^{term}IP. Assign the necessary number of UDP port to Virtual FP number suitable for the number of D^{term}IPs.
- NOTE 4:** Since the UDP port number 0-1023 is reserved for specific applications (Well-Known port), the UDP port number 0-1023 cannot be used.

Continued on next page

COMMAND CODE	TITLE:		INITIAL
0B	LAN DATA ASSIGNMENT		

Y=20

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
20	TCP Server/TCP Client port	00	TCP Server	00000] TCP Server port number 57000 TCP Server port number 1024 TCP Server port number 65534 TCP Server port number 57000 Clear
				?	
				01023	
				01024	
				?	
				65534	
				NONE◀	
		CCC			
		01	TCP Client	00000] TCP Client port number 58000 TCP Client port number 1024 TCP Client port number 64512 TCP Client port number 58000 TCP Client port number 58000-59023 Clear
				?	
				01023	
				01024	
				?	
				64512	
64513					
?					
65534					
NONE◀					
CCC					

NOTE: 1024 ports from the base port number you set are assigned as TCP Client port number.

Continued on next page

COMMAND CODE		TITLE:				
0B		LAN DATA ASSIGNMENT				
◀: Initial Data						
Y=31-60						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
31 ? 60	Remote Site No. 01-30 [Series 3200 R6.2 (R6.2)]	00	IP Address for the Remote Site	0000000000 ? 255255255255 NONE◀	IP Address No data	
		01	Subnet Mask for the Remote Site	0000000000 ? 255255255255 NONE◀	Subnet Mask No data	
		02	Default Gateway for the Remote Site	0000000000 ? 255255255255 NONE◀	Default Gateway No data	
		05	Speed mode for the Remote Site [Series 3400]	0 1◀	100 Mbps (Full-Duplex) Fixed Auto Negotiation	
		NOTE 1: Set this data before connecting as the remote site. Also, set the speed mode for the main site (CM0B Y=00>05) in advance.				
		NOTE 2: This data is only available to PZ-M606-A (ETHER) card.				
		30	VLAN with the Remote Site	0 1◀		To provide Not provided
31	Priority of the VLAN ID	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.						

Continued on next page

COMMAND CODE	TITLE:	INITIAL
0B	LAN DATA ASSIGNMENT	

◀: Initial Data

Y		1ST DATA		2ND DATA			
No.	MEANING	DATA	MEANING	DATA	MEANING		
31 ? 60	Remote Site No. 01-30 [Series 3200 R6.2 (R6.2)]	32	VLAN ID to the Remote Site	0001 ? 4094 NONE◀	VLAN ID No data	NOTE 1 NOTE 2 NOTE 3	
		33	IP Address for the VLAN	00000000000 ? 255255255255 NONE◀	IP Address No data	NOTE 3	
		34	Subnet Mask for the VLAN	00000000000 ? 255255255255 NONE◀	Subnet Mask No data		
		40	Location number for stations accommodated in each Remote Site [Series 3400]	00 ? 63 NONE◀	Location number 00 ? Location number 63 Location number 00	NOTE 4	
		41	Tenant number for stations accommodated in each Remote Site [Series 3500]	00 ? 63 NONE◀	Tenant number 00 ? Tenant number 63 Tenant number 01	NOTE 5	
		50	Start time for the automatic changeover to survival mode from normal mode after the disconnection between the Main Site and Remote Site is detected	00	Not execute the automatic changeover to survival mode		
				01 ? 03 ? 99 NONE◀	0-30 seconds ? 60-90 seconds ? 2940-2970 seconds (30 seconds increments) 60-90 seconds		

Continued on next page

COMMAND CODE	TITLE:	INITIAL
0B	LAN DATA ASSIGNMENT	
<p>NOTE 1: <i>One VLAN ID can be set per Remote Site.</i></p> <p>NOTE 2: <i>VLAN ID 0 is not available.</i></p> <p>NOTE 3: <i>Clear the IP Address and the Subnet Mask for the Remote Site that have been set by CM0B Y=31-60>00, 01.</i></p> <p>NOTE 4: <i>This data is available when location number is not assigned by CM12 Y=39, 50.</i></p> <p>NOTE 5: <i>For the visitor station in the visitor site, the tenant number set by this data is effective, even if the tenant number has been set by CM12 Y=04.</i></p> <p style="text-align: right;">Continued on next page</p>		

COMMAND CODE		TITLE:			
0B		LAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
31 ? 60	Remote Site No. 01-30 [Series 3200 R6.2 (R6.2)]	51	Start time for the automatic changeover to normal mode from survival mode after the connection between the Main Site and Remote Site returned to normal condition	00 01 ? 04 ? 99 NONE◀	Not execute the automatic changeover to normal mode 0-30 seconds ? 90-120 seconds ? 2940-2970 seconds (30 seconds increments) 90-120 seconds
		52	Start time to notify the link down to the D ^{term} /D ^{term} IP after the disconnection between Main Site and Remote Site is detected	00 01 ? 99 NONE◀	Not notify the link down NOTE 1 0-30 seconds ? 2940-2970 seconds (30 seconds increments) 0-30 seconds
		53	Provide the system with the automatic changeover to normal mode from survival mode after the connection between the Main Site and Remote Site returned to normal condition	0 1◀	To provide Not provided NOTE 2



NOTE 1: Assign the shorter time than the time for automatic changeover to survival mode assigned by CM0B Y=31-60>50.
If the longer time is set, the link down cannot be notified.

NOTE 2: When providing the system with the automatic changeover to normal mode (second data 0), the changeover of normal mode and survival mode may occur frequently under the heavy traffic network.

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
FUNCTION:					
This command is used to specify the update information of D ^{term} IP firmware and MP Program Download (FTP).					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + 0\text{CYY} + \boxed{\text{DE}} + \text{1ST DATA (1-8 digits)} + \boxed{\text{DE}} + \text{2ND DATA (1-12 digits)} + \boxed{\text{EXE}}$					
DATA TABLE:					
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ∩ 07	Update information Profile No. [Series 3200 R6.1 (R6.1)]	00	Type of firmware for update	00 03 05 NONE◀	D ^{term} IP (IP Adapter Type) firmware/ D ^{term} 75 (D ^{term} Series E) with IP adapter firmware D ^{term} 85 (D ^{term} Series i) with IP adapter firmware D ^{term} IP (IP Bundled Type) firmware No data
		02	Firmware file version for update	XXZZ NONE◀	XX: Integral No. of file version (00-99) ZZ: Two decimals No. of file version (00-99) No data NOTE: <i>If no data is set, the system does not update the firmware of D^{term}IPs.</i>
		04	IP Address for server	000000000000 ∩ 255255255255 NONE◀	IP Address for the FTP/TFTP server No data
		05	Protocol of server	0 1◀	FTP TFTP
Continued on next page					

COMMAND CODE		TITLE:				
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)				
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	MP Program Download (FTP) information (Main Site) [Series 3500]	00	IP Address for FTP server	000000000000 ∟ 255255255255 CCC NONE◀	IP Address for the FTP server Clear No data	
		01	Port number for FTP server	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 initial data setting. For example, when the second data is set to 3000, Port No. 3000 is used for the file transfer (control), and Port No. 20 is used for the file transfer.				
		02	User ID for FTP server	X ∟ XXXXXXXXX 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".				
		03	Password for FTP server	X ∟ XXXXXXXXX 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.				

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D^{term}IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	MP Program Download (FTP) information (Main Site) [Series 3500]	04	Directory name (ASCII Code)	XXX...X	Directory name (1-16 characters) Character Code (8 digits, 16 characters)  See Character Code Table in CM77 .
				CCC NONE◀	Clear No data
		05		XXX...X	Directory name (17-32 characters) Character Code (8 digits, 16 characters)  See Character Code Table in CM77 .
				CCC NONE◀	Clear No data
<p>NOTE 1: If the MP 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.</p> <p>NOTE 2: Set the first data 05 only if the directory name is more than 16 characters.</p>					
		06	File type	00 CCC NONE◀	MP program file Clear No data
11	MP Program Download (FTP) information (Main Site/Remote Site) [Series 3700 R12.2]	XX00	IP Address for FTP server XX: 00: Main Site No. 01-30: Remote Site No.	000000000000 ? 255255255255 CCC NONE◀	IP Address for the FTP server Clear No data

Continued on next page

COMMAND CODE		TITLE:				
0C		UPDATING OF D^{term}IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)				
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
11	MP Program Download (FTP) information (Main Site/Remote Site) [Series 3700 R12.2]	XX01	Port number for FTP server XX: 00: Main Site No. 01-30: Remote Site No.	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 initial data 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: 00: Main Site No. 01-30: Remote Site No.	X ∟ XXXXXXXXX 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: 00: Main Site No. 01-30: Remote Site No.	X ∟ XXXXXXXXX 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.						

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	MP Program Download (FTP) information (Main Site/Remote Site) [Series 3700 R12.2]	XX04	Directory name (ASCII Code) XX: 00: Main Site No. 01-30: Remote Site No.	XXX...X CCC NONE◀	Directory name (1-16 characters) Character Code (8 digits, 16 characters) ☞ See Character Code Table in CM77 . Clear No data
		XX05		XXX...X CCC NONE◀	Directory name (17-32 characters) Character Code (8 digits, 16 characters) ☞ See Character Code Table in CM77 . Clear No data
		<p>NOTE 1: If the MP 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.</p> <p>NOTE 2: Set the first data 05 only if the directory name is more than 16 characters.</p>			
		XX06	File type XX: 00: Main Site No. 01-30: Remote Site No.	00 CCC NONE◀	MP program file Clear No data

Continued on next page

COMMAND CODE		TITLE:																																						
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)																																						
Y		1ST DATA		2ND DATA																																				
No.	MEANING	DATA	MEANING	DATA	MEANING																																			
50	Start updating D ^{term} IP firmware [Series 3200 R6.1 (R6.1)]	X ? XXXXXXXX	D ^{term} IP Station No.	0	Start updating																																			
<p>NOTE: After setting the first data and second data, MAT/CAT displays the status of the D^{term}IP. The table below shows the contents of the display and its meaning.</p> <table border="1"> <thead> <tr> <th rowspan="2">FIRST DATA</th> <th colspan="2">D^{term}IP STATUS</th> <th rowspan="2">SECOND DATA</th> <th colspan="2">D^{term}IP STATUS</th> </tr> <tr> <th>DISPLAY</th> <th>MEANING</th> <th>DISPLAY</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="3">X ? XXXXXXXX : D^{term}IP Station No.</td> <td>XX ZZ</td> <td>Current firmware version of the D^{term}IP XX: 00-09: Integral No. ZZ : 00-09: Two decimals No.</td> <td rowspan="3">0: Start updating</td> <td>OK</td> <td>Start updating</td> </tr> <tr> <td>DATA NOT FOUND</td> <td></td> <td></td> <td>You cannot update the D^{term}IP's firmware because the FTP/TFTP server information data has not been assigned NOTE: Set this data after setting CM0C Y=00-07>00-05.</td> </tr> <tr> <td>WAIT, BUSY NOW</td> <td></td> <td></td> <td>You cannot update the D^{term}IP's firmware because other four D^{term}IPs in the system are updated now NOTE: Maximum four D^{term}IPs can be updated at the same time in a system. Set this data after other four D^{term}IPs are updated.</td> </tr> <tr> <td></td> <td>DATA ERROR</td> <td>The D^{term}IP is logout status/The terminal is not IP terminal</td> <td rowspan="2">You cannot update the D^{term}IP's firmware</td> <td></td> <td></td> </tr> <tr> <td></td> <td>WAIT, BUSY NOW</td> <td>The D^{term}IP is updated now/The D^{term}IP is busy</td> <td></td> <td></td> </tr> </tbody> </table>						FIRST DATA	D ^{term} IP STATUS		SECOND DATA	D ^{term} IP STATUS		DISPLAY	MEANING	DISPLAY	MEANING	X ? XXXXXXXX : D ^{term} IP Station No.	XX ZZ	Current firmware version of the D ^{term} IP XX: 00-09: Integral No. ZZ : 00-09: Two decimals No.	0: Start updating	OK	Start updating	DATA NOT FOUND			You cannot update the D ^{term} IP's firmware because the FTP/TFTP server information data has not been assigned NOTE: Set this data after setting CM0C Y=00-07>00-05.	WAIT, BUSY NOW			You cannot update the D ^{term} IP's firmware because other four D ^{term} IPs in the system are updated now NOTE: Maximum four D ^{term} IPs can be updated at the same time in a system. Set this data after other four D ^{term} IPs are updated.		DATA ERROR	The D ^{term} IP is logout status/The terminal is not IP terminal	You cannot update the D ^{term} IP's firmware				WAIT, BUSY NOW	The D ^{term} IP is updated now/The D ^{term} IP is busy		
FIRST DATA	D ^{term} IP STATUS		SECOND DATA	D ^{term} IP STATUS																																				
	DISPLAY	MEANING		DISPLAY	MEANING																																			
X ? XXXXXXXX : D ^{term} IP Station No.	XX ZZ	Current firmware version of the D ^{term} IP XX: 00-09: Integral No. ZZ : 00-09: Two decimals No.	0: Start updating	OK	Start updating																																			
	DATA NOT FOUND				You cannot update the D ^{term} IP's firmware because the FTP/TFTP server information data has not been assigned NOTE: Set this data after setting CM0C Y=00-07>00-05.																																			
	WAIT, BUSY NOW				You cannot update the D ^{term} IP's firmware because other four D ^{term} IPs in the system are updated now NOTE: Maximum four D ^{term} IPs can be updated at the same time in a system. Set this data after other four D ^{term} IPs are updated.																																			
	DATA ERROR	The D ^{term} IP is logout status/The terminal is not IP terminal	You cannot update the D ^{term} IP's firmware																																					
	WAIT, BUSY NOW	The D ^{term} IP is updated now/The D ^{term} IP is busy																																						

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
51	Downloading MP program for MP Program Download (FTP) (Main Site) [Series 3500]	00	Execute MP program download	0 1 3◀ YYYY MM DD HH mm CCC	Start to download Now downloading Not executed Download time YYYY: Year (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59) Interrupt downloading/Download time clear
		<p>NOTE 1: You can download the MP programs while the system is operating. The downloaded program is stored in flash memory of MP card.</p> <p>NOTE 2: The second data 0 can be set only when the MP program download is not executed (second data status is 3) and the system data backup is not being executed.</p> <p>NOTE 3: The second data XXXXXXXXXXXX (download time) can be set only when the MP program download is not executed (second data status is 3) and the system data backup is not being executed.</p> <p>NOTE 4: While the MP 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 MP program that has been downloaded disappears. Execute the MP program download again, if required.</p> <p>NOTE 5: While the MP program is being downloaded, you cannot input any command other than CCC. If you do that, "WAIT, BUSY NOW" is displayed.</p> <p>NOTE 6: The download time can be canceled by inputting CCC when the second data XXXXXXXXXXXX (download time) is displayed.</p> <p>NOTE 7: Execute the changeover of MP program, after the MP program download is completed.</p>			

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
51	Downloading MP program for MP Program Download (FTP) (Main Site) [Series 3500]	01	Changeover (changeback) time	YYYY MM DD HH mm 000000000000 CCC NONE◀	YYYY: Year (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59) Now executing Clear No data
<p>NOTE 1: For MP program changeover, the system is reset automatically. Be sure not to set the time while the system is operating.</p> <p>NOTE 2: If a specified changeover time is passed while MP program is being downloaded, the changeover of MP program is executed immediately (second data becomes 000000000000).</p> <p>NOTE 3: If you set the second data to 000000000000 while MP program is being downloaded, the MP program changeover is executed after MP program download is completed.</p> <p>NOTE 4: If you set the second data to 000000000000 while matching the program version of Flash ROMs, the MP program changeover is executed after the program version matching is completed.</p> <p>NOTE 5: This data is cleared after MP program changeover is completed.</p> <p>NOTE 6: If the system is reset five times during about three minutes, the MP program changeback is executed automatically.</p>					
		03	MP program copy from Flash ROM 1 (upgraded side) to Flash ROM 0 (outdated side)	0 1◀	To copy Not copied
<p>NOTE 1: You can clear the previous MP program by this data setting.</p> <p>NOTE 2: While the MP program is being downloaded, the second data 0 cannot be assigned. If you do that, "WAIT, BUSY NOW" is displayed.</p>					

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
51	Downloading MP program for MP Program Download (FTP) (Main Site) [Series 3500]	04	Status of MP program download	XX YY ZZ	XX: File type 00: MP program file YY: Downloading file No. ZZ: Total number of files
		<p>NOTE: If you set this data other than while the MP program download is executed, "NONE" is displayed. Display example: If you are downloading the third file of 11 MP program files, "00030B" is displayed as the second data. (File type 00=MP program file).</p>			
		05	The latest result of MP program download	XX YY ZZ YYYYMMDD HH mm	XX: File type 00: MP program file YY: Executed operation 00: Download 01: Changeover 02: Program version matching 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 (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59)
		<p>NOTE 1: The executed results of the latest MP program downloading/changeover (changeback)/program version matching/automatic changeback are displayed. NOTE 2: Before executing the MP program download, "NONE" is displayed.</p>			

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
51	Downloading MP program for MP Program Download (FTP) (Main Site) [Series 3500]	06	MP card status of upgraded side/ outdated side	XX XX ZZ ZZ	XX: 00/01: Side type XX: 00/01: Side status ZZ: 00/01: Side type ZZ: 00/01: Side status XX=0 side ZZ=1 side Side type: 00: Upgraded side 01: Outdated side Side status: 00: Normal 01: Undefined
NOTE: The current status of the upgraded side/outdated side of MP card is displayed.					

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Downloading MP program for MP Program Download (FTP) (Main Site/Remote Site) [Series 3700 R12.2]	XX00	Execute MP program download XX:00: Main Site No. 01-30: Remote Site No.	0 1 3◀ YYYY MM DD HH mm CCC	Start to download Now downloading Not executed Download time YYYY: Year (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59) Interrupt downloading/Download time clear
<p>NOTE 1: You can download the MP programs while the system is operating. The downloaded program is stored in flash memory of MP card.</p> <p>NOTE 2: The second data 0 can be set only when the MP program download is not executed (second data status is 3) and the system data backup is not being executed.</p> <p>NOTE 3: The second data XXXXXXXXXXXX (download time) can be set only when the MP program download is not executed (second data status is 3) and the system data backup is not being executed.</p> <p>NOTE 4: While the MP 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 MP program that has been downloaded disappears. Execute the MP program download again, if required.</p> <p>NOTE 5: While the MP program is being downloaded, you cannot input any command other than CCC. If you do that, "WAIT, BUSY NOW" is displayed.</p> <p>NOTE 6: The download time can be canceled by inputting CCC when the second data XXXXXXXXXXXX (download time) is displayed.</p> <p>NOTE 7: Execute the changeover of MP program, after the MP program download is completed.</p> <p>NOTE 8: When the communication between Main Site and Remote Site cannot operate normally, "HARDWARE ERROR" is displayed.</p>					

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Downloading MP program for MP Program Download (FTP) (Main Site/Remote Site) [Series 3700 R12.2]	XX01	Changeover (changeback) time XX: 00: Main Site No. 01-30: Remote Site No.	YYYY MM DD HH mm 000000000000 CCC NONE◀	YYYY: Year (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59) Now executing Clear No data
<p>NOTE 1: For MP program changeover, the system is reset automatically. Be sure not to set the time while the system is operating.</p> <p>NOTE 2: If a specified changeover time is passed while MP program is being downloaded, the changeover of MP program is executed immediately (second data becomes 000000000000).</p> <p>NOTE 3: If you set the second data to 000000000000 while MP program is being downloaded, the MP program changeover is executed after MP program download is completed.</p> <p>NOTE 4: If you set the second data to 000000000000 while matching the program version of Flash ROMs, the MP program changeover is executed after the program version matching is completed.</p> <p>NOTE 5: This data is cleared after MP program changeover is completed.</p> <p>NOTE 6: If the system is reset five times during about three minutes, the MP program changeback is executed automatically.</p> <p>NOTE 7: When the communication between Main Site and Remote Site cannot operate normally, "HARDWARE ERROR" is displayed.</p>					

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Downloading MP program for MP Program Download (FTP) (Main Site/Remote Site) [Series 3700 R12.2]	XX03	MP program copy from Flash ROM 1 (upgraded side) to Flash ROM 0 (outdated side) XX: 00: Main Site No. 01-30: Remote Site No.	0 1◀	To copy Not copied
<p>NOTE 1: You can clear the previous MP program by this data setting.</p> <p>NOTE 2: While the MP program is being downloaded, the second data 0 cannot be assigned. If you do that, "WAIT, BUSY NOW" is displayed.</p> <p>NOTE 3: When the communication between Main Site and Remote Site cannot operate normally, "HARDWARE ERROR" is displayed.</p>					
		XX04	Status of MP program download (HEX) XX: 00: Main Site No. 01-30: Remote Site No.	XX YY ZZ	XX: File type 00: MP program file YY: Downloading file No. ZZ: Total number of files
<p>NOTE 1: If you set this data other than while the MP program download is executed, "NONE" is displayed. Display example: If you are downloading the third file of 11 MP program files, "00030B" is displayed as the second data. (File type 00=MP program file).</p> <p>NOTE 2: When the communication between Main Site and Remote Site cannot operate normally, "HARDWARE ERROR" is displayed.</p>					

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Downloading MP program for MP Program Download (FTP) (Main Site/Remote Site) [Series 3700 R12.2]	XX05	The latest result of MP program download XX: 00: Main Site No. 01-30: Remote Site No.	XX YY ZZ YYYYMMDD HH mm	XX: File type 00: MP program file YY: Executed operation 00: Download 01: Changeover 02: Program version matching 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 (2000-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minutes (00-59)
		NOTE 1: <i>The executed results of the latest MP program downloading/changeover (changeback)/program version matching/automatic changeback are displayed.</i> NOTE 2: <i>Before executing the MP program download, "NONE" is displayed.</i>			

Continued on next page

COMMAND CODE		TITLE:			
0C		UPDATING OF D ^{term} IP FIRMWARE/MP PROGRAM DOWNLOAD (FTP)			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Downloading MP program for MP Program Download (FTP) (Main Site/Remote Site) [Series 3700 R12.2]	XX06	MP card status of upgraded side/ outdated side XX: 00: Main Site No. 01-30: Remote Site No.	XX XX ZZ ZZ	XX: 00/01: Side type XX: 00/01: Side status ZZ: 00/01: Side type ZZ: 00/01: Side status XX=0 side ZZ=1 side Side type : 00: Upgraded side 01: Outdated side Side status: 00: Normal 01: Undefined
		<p>NOTE 1: The current status of the upgraded side/outdated side of MP card is displayed.</p> <p>NOTE 2: When the communication between Main Site and Remote Site cannot operate normally, "HARDWARE ERROR" is displayed.</p>			
90	Firmware condition for updating D ^{term} IP [Series 3200 R6.1 (R6.1)]	01	Firmware condition for update	0	To update when the file version of the D ^{term} IP's firmware is not same as the file version of the firmware in the server
				1◀	To update when the file version of the D ^{term} IP's firmware is older than the file version of the firmware in the server
		02	Automatic update by D ^{term} IPs log in	0	To update
				1◀	Not updated NOTE: Be sure to return this data to "1" after the automatic update.

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER
<p>FUNCTION:</p> <p>This command is used to assign station numbers, trunk numbers, and card numbers to LEN (Line Equipment Number: PIM No. + Port No.).</p> <p>After Series 3200 R6.2 (R6.2) or later, all the data of CM10 can also set up CM14.</p> <p>While using Series 3200 R6.2 (R6.2) or later, Station number/Trunk number/Card number recommends setting up by CM14.</p>	
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (1) LEN is determined by setup of CM05 Y=0/4/6/8, refer to “LEN ASSIGNMENT” about location of LEN at the initial setting. ☞ Page A2 (2) When deleting a station number (Single Line or D^{term}), be sure to delete Call Pickup data (CM16), ACD/UCD Group data (CM17) and Station Hunting Group data (CM18) in advance. (3) When assigning Conference Trunk (ED00-ED03), a system reset is required after data setting. (4) After assigning the data for PN-8RST (DTMF receiver), PN-2CSI/PN-4CSI (CSI), PN-2ILCA (ISDN Terminal), you must unplug the circuit cards, then plug them again (After unplugging the circuit card, you must wait for 30 seconds before plugging the circuit card again.). (5) 5 or more digits station number should not be assigned when the following features with AP00 are used. <ul style="list-style-type: none"> • SMDR/PMS • Front Desk Terminal/D^{term} TIMS (CIS) (6) For LEN assignment, see “Location of Each LEN” ☞ Page 200 and “LEN Assignment on Each Line/Trunk Card”. ☞ Page 204 	
<p>ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 10 + \boxed{\text{DE}} + \text{LEN (PIM No. + PORT No.)} + \boxed{\text{DE}} + \frac{\text{STATION}}{\text{NUMBER}} / \frac{\text{TRUNK}}{\text{NUMBER}} / \frac{\text{CARD}}{\text{NUMBER}} + \boxed{\text{EXE}}$ <p style="text-align: center;">(3 digits) (1-10 digits)</p>	

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

DATA TABLE:

LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
000 ? 763 (PIM No. 0-7 + Port No. 00-63)	X-XXXXXXXX	Single Line station number (1-8 digits) X=0-9, A (*), B (#) Virtual PS station number (1-8 digits)	CM12 CM13
	C100 ? C163	Card number of AMP trunk (PN-2AMP) When installed in PIM 0/1 C100-C115 When installed in PIM 2/3 C116-C131 When installed in PIM 4/5 C132-C147 When installed in PIM 6/7 C148-C163	CM38
	C200 ? C203	Card number of Caller ID sender (PN-4RSTF/PN-4RSTF-A/PN-4RSTH) [North America Only]	CM04 Y=01>02 CM45 Y=5
	D000 ? D255	Trunk number (C.O./Tie Line, Paging, Radio Paging, BGM, Virtual trunk, 4VCT) • For COT Maximum 64 lines per PIM • For DIT Maximum 48 lines per PIM • For LDT/ODT Maximum 24 lines per PIM • For TNT (BGM) Maximum 10 lines per system NOTE 1: Trunk numbers already assigned by CM07 should not be used. NOTE 2: Do not assign Trunk number D255 for CCIS/IP.	CM07 CM30 CM35
	DA00 ? DA09	Card number of External Hold Tone Interface (0-9) for Music on Hold (TNT/COT)	CM44 CM48 CM12 Y=04
	DB00 ? DB09	Card number of External Announcement Machine Interface (0-9) for Wake Up service	CM44 CM48
	DD000 ? DD731	IP-PAD (PN-32IPLA/PN-32IPLA-A) number DD X ZZ X : Card No. of IP-PAD (0-7) ZZ: Channel No. of IP-PAD (00-31) NOTE: When using Series 3200 R6.2 (R6.2) Software or later, set the IP-PAD data by not CM10 but CM14.	CM0A Y=50
	E000 ? E007	ATTCON/DESKCON number (0-7) NOTE: ATTCON/DESKCON number should be different from Large type ATTCON numbers assigned by CM06.	CM90 CM60

Continued on next page

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

LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
000 ? 763 (PIM No. 0-7 + Port No. 00-63)	E100 ? E131	DSS Console number (00-31) When installed in PIM 0/1 E100-E107 When installed in PIM 2/3 E108-E115 When installed in PIM 4/5 E116-E123 When installed in PIM 6/7 E124-E131 NOTE: <i>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).</i>	CM96 CM97
	E201 ? E215	Card number of PB receiver (PN-8RST) When installed in PIM 0/1 E201-E203 When installed in PIM 2/3 E204-E207 When installed in PIM 4/5 E208-E211 When installed in PIM 6/7 E212-E215 (Maximum 32 PB receivers per system.) NOTE 1: <i>E200 is dedicated to built-in PB receiver of MP card. (Assignment by CM10 is not required.)</i> NOTE 2: <i>A maximum of 4 PB receiver number (including built-in PB receiver) can be used per FP card.</i>	CM45 Y=0, 1, 2, 9
	E600 ? E663	TAS Indicator Interface number activated by station ringer (Use of LC card)	CM30 Y=13, 14, 17
	E800 ? E831	Card number of External Equipment Interface (PN-DK00) When accommodated in PIM 0/1 .....E800-E807 When accommodated in PIM 2/3 .....E808-E815 When accommodated in PIM 4/5 .....E816-E823 When accommodated in PIM 6/7 .....E824-E831 NOTE: <i>Circuit No. 3 of E831 is used for built-in External Equipment Interface of MP card by setting CM44.</i>	CM44
	E900 ? E963	Card number of External Key Interface (PN-DK00) When accommodated in PIM 0/1 .....E900-E915 When accommodated in PIM 2/3 .....E916-E931 When accommodated in PIM 4/5 .....E932-E947 When accommodated in PIM 6/7 .....E948-E963 NOTE: <i>Circuit No. 3 of E963 is used for built-in External Key Interface of MP card by setting CM61.</i>	CM61

Continued on next page

COMMAND CODE		TITLE:	
10		STATION NUMBER, TRUNK NUMBER, CARD NUMBER	
LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
000 ? 763 (PIM No. 0-7 + Port No. 00-63)	EB002 ? EB127	Card number of Digital Announcement Trunk (PN-2DATA/4DATA) When accommodated in PIM 0/1 .....EB002-EB031 When accommodated in PIM 2/3 .....EB032-EB063 When accommodated in PIM 4/5 .....EB064-EB095 When accommodated in PIM 6/7 .....EB096-EB127 NOTE: EB000 and EB001 are dedicated to built-in Digital Announcement Trunk of MP card.	CM30 CM49
	EC00 ? EC31	Add-on Module number When accommodated in PIM 0/1 EC00-EC07 When accommodated in PIM 2/3 EC08-EC15 When accommodated in PIM 4/5 EC16-EC23 When accommodated in PIM 6/7 EC24-EC31 NOTE: 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).	CM90 CM98
	ED00 ? ED03	Card number of Conference Trunk (PN-CFT) <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px;">INITIAL</div>	
	EE3 XXX	Card number of CS/ZT Interface XXX represents CS/ZT number (000-255).	CMAD
	EFX ? EFXXXXXXXX	ISDN line station number X-XXXXXXXX represents ISDN line station number. X: 0-9, A (*), B (#)	
	FX ? FXXXXXXXX	D ^{term} /D ^{term} IP station number X-XXXXXXXX represents My Line number. X: 0-9, A (*), B (#)	CM90

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

Location of Each LEN

PIM3	307	315	323	331	339	347	355	363				
	306	314	322	330	338	346	354	362				
	305	313	321	329	337	345	353	361				
	304	312	320	328	336	344	352	360				
	303	311	319	327	335	343	351	359	339	347	355	363
	302	310	318	326	334	342	350	358	338	346	354	362
	301	309	317	325	333	341	349	357	337	345	353	361
	300	308	316	324	332	340	348	356	336	344	352	360
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM2	207	215	223	231	239	247	255	263				
	206	214	222	230	238	246	254	262				
	205	213	221	229	237	245	253	261				
	204	212	220	228	236	244	252	260				
	203	211	219	227	235	243	251	259	239	247	255	263
	202	210	218	226	234	242	250	258	238	246	254	262
	201	209	217	225	233	241	249	257	237	245	253	261
	200	208	216	224	232	240	248	256	236	244	252	260
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM1	107	115	123	131	139	147	155	163				
	106	114	122	130	138	146	154	162				
	105	113	121	129	137	145	153	161				
	104	112	120	128	136	144	152	160				
	103	111	119	127	135	143	151	159	139	147	155	163
	102	110	118	126	134	142	150	158	138	146	154	162
	101	109	117	125	133	141	149	157	137	145	153	161
	100	108	116	124	132	140	148	156	136	144	152	160
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM0	007	015	023	031	039	047	055	063				
	006	014	022	030	038	046	054	062				
	005	013	021	029	037	045	053	061				
	004	012	020	028	036	044	052	060				
	003	011	019	027	035	043	051	059	039	047	055	063
	002	010	018	026	034	042	050	058	038	046	054	062
	001	009	017	025	033	041	049	057	037	045	053	061
	000	008	016	024	032	040	048	056	036	044	052	060
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

- | | |
|--------|------------------|
| XXX | – Level 7 |
| XXX | – Level 6 |
| XXX | – Level 5 |
| XXX | – Level 4 |
| XXX | – Level 3 |
| XXX | – Level 2 |
| XXX | – Level 1 |
| XXX | – Level 0 |
| (LTXX) | Card Slot Number |

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER
<p>NOTE 1: <i>In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable. PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI</i> <i>When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.</i></p> <p>NOTE 2: <i>PN-4CSI is mountable in the even number slots (Slot 00, 02, 04, 06). When PN-4CSI is mounted, only application processor cards are mountable in the adjoining right side slots (Slot 01, 03, 05, 07).</i></p> <p style="text-align: right;">Continued on next page</p>	

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

Location of Each LEN

PIM7	707	715	723	731	739	747	755	763				
	706	714	722	730	738	746	754	762				
	705	713	721	729	737	745	753	761				
	704	712	720	728	736	744	752	760				
	703	711	719	727	735	743	751	759	739	747	755	763
	702	710	718	726	734	742	750	758	738	746	754	762
	701	709	717	725	733	741	749	757	737	745	753	761
	700	708	716	724	732	740	748	756	736	744	752	760
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM6	607	615	623	631	639	647	655	663				
	606	614	622	630	638	646	654	662				
	605	613	621	629	637	645	653	661				
	604	612	620	628	636	644	652	660				
	603	611	619	627	635	643	651	659	639	647	655	663
	602	610	618	626	634	642	650	658	638	646	654	662
	601	609	617	625	633	641	649	657	637	645	653	661
	600	608	616	624	632	640	648	656	636	644	652	660
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM5	507	515	523	531	539	547	555	563				
	506	514	522	530	538	546	554	562				
	505	513	521	529	537	545	553	561				
	504	512	520	528	536	544	552	560				
	503	511	519	527	535	543	551	559	539	547	555	563
	502	510	518	526	534	542	550	558	538	546	554	562
	501	509	517	525	533	541	549	557	537	545	553	561
	500	508	516	524	532	540	548	556	536	544	552	560
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

PIM4	407	415	423	431	439	447	455	463				
	406	414	422	430	438	446	454	462				
	405	413	421	429	437	445	453	461				
	404	412	420	428	436	444	452	460				
	403	411	419	427	435	443	451	459	439	447	455	463
	402	410	418	426	434	442	450	458	438	446	454	462
	401	409	417	425	433	441	449	457	437	445	453	461
	400	408	416	424	432	440	448	456	436	444	452	460
	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE 1

- | | |
|-------|------------------|
| XXX | - Level 7 |
| XXX | - Level 6 |
| XXX | - Level 5 |
| XXX | - Level 4 |
| XXX | - Level 3 |
| XXX | - Level 2 |
| XXX | - Level 1 |
| XXX | - Level 0 |
| (LTX) | Card Slot Number |

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER
<p>NOTE 1: <i>In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable. PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI</i> <i>When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.</i></p> <p>NOTE 2: <i>PN-4CSI is mountable in the even number slots (Slot 00, 02, 04, 06). When PN-4CSI is mounted, only application processor cards are mountable in the adjoining right side slots (Slot 01, 03, 05, 07).</i></p>	

COMMAND CODE		TITLE:								
10		STATION NUMBER, TRUNK NUMBER, CARD NUMBER								
LEN Assignment on Each Line/Trunk Card										
×: Available –: Not available										
CARD NAME	LEN TO BE ASSIGNED ON EACH LTX								NUMBER OF CIRCUITS	NUMBER OF TIME SLOTS
	LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7		
PN-2AMP NOTE 1	×	–	×	–	–	–	–	–	2	4
PN-8COT	×	×	×	×	×	×	×	×	8	8
PN-4COT	×	×	×	×	–	–	–	–	4	4
PN-2COT	×	×	–	–	–	–	–	–	2	2
PN-CFTA	×	–	–	–	–	–	–	–	1	10
PN-CFTB	×	–	–	–	–	–	–	–	1	10
PN-4CSI NOTE 2	×	–	×	–	–	–	–	–	4	16
	×	–	×	–	–	–	–	–		
PN-2CSI	×	–	×	–	–	–	–	–	2	8
PN-4DAT	×	–	×	–	×	–	×	–	4	8
PN-4DIT	×	×	×	×	–	–	–	–	4	4
PN-DK00	×	–	×	–	–	–	–	–	8	0
PN-8DLC	×	×	×	×	×	×	×	×	8	8
PN-4DLC NOTE 3	×	×	×	×	–	–	–	–	4	4
PN-2DLC	×	×	–	–	–	–	–	–	2	2
PN-2DPC	×	–	×	–	–	–	–	–	2	4
PN-2ILC	×	×	–	–	–	–	–	–	2	8
PN-8LC	×	×	×	×	×	×	×	×	8	8
PN-4LC	×	×	×	×	–	–	–	–	4	4
PN-4LDT	×	×	×	×	–	–	–	–	4	4

Continued on next page

COMMAND CODE		TITLE:									
10		STATION NUMBER, TRUNK NUMBER, CARD NUMBER									
LEN Assignment on Each Line/Trunk Card											
×: Available –: Not available											
CARD NAME	LEN TO BE ASSIGNED ON EACH LTXX								NUMBER OF CIRCUITS	NUMBER OF TIME SLOTS	
	LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7			
PN-2LDT	×	×	–	–	–	–	–	–	–	2	2
PN-4LLCB	×	×	×	×	–	–	–	–	–	4	4
PN-2ODT	×	×	–	–	–	–	–	–	–	2	2
PN-4ODT	×	×	×	×	–	–	–	–	–	4	4
PN-8RST	×	–	×	–	–	–	–	–	–	8	8
PN-4RSTF	×	–	–	–	–	–	–	–	–	4	4
PN-4RSTH	×	–	–	–	–	–	–	–	–	4	4
PN-TNT	×	–	×	–	–	–	–	–	–	2	4
PN-4VCT	×	×	×	×	–	–	–	–	–	1	–
PZ-VM00 (with VM01)	×	×	×	×	(×)	(×)	(×)	(×)	(×)	1	4 (8)
PZ-VM02	×	×	×	×	–	–	–	–	–	1	4
PZ-VM03-M (with VM04/ VM05/VM06)	×	×	×	×	(×)	(×)	(×)	(×)	(×)	1	4 (16)
PZ-VM10-M (with VM01)	×	×	×	×	(×)	(×)	(×)	(×)	(×)	1	4 (8)

NOTE 1: For PN-2AMPA card, the card number must be assigned to all two Levels, which are the first LEN (Level 0) and third LEN (Level 2), regardless of the number of used circuit.

NOTE 2: For PN-4CSI card, the CS/ZT number must be assigned to the first LEN (level 0) and third LEN (level 2) of the PN-4CSI card mounting slot and the adjoining right side slot.

NOTE 3: For PN-4DLCM/PN-4DLCQ card, station number/ATTCON number must be assigned to each LEN of all four Levels, regardless of the number of used circuit.

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER
<p>FUNCTION:</p> <p>This command is used to assign station numbers, Intercom numbers, Loop Line numbers and ICI/OPR Line numbers (for D^{term} Attendant Position) to Virtual Lines assigned on D^{term}.</p>	
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (1) Virtual Line station numbers must be different from station numbers assigned by CM10/CM14. (2) The virtual LEN has no relation to the LEN used in CM10/CM14. Therefore, any virtual LEN can be assigned to each Virtual Line station number. (3) The following station data can be assigned to the Virtual Line station numbers. <ul style="list-style-type: none"> • 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-Don't Answer (-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.) (4) The virtual LEN which can be assigned depends on software version is as follows. <ul style="list-style-type: none"> 000-255 [Series 3300 software or before] 0000-1019 [Series 3400 software or later] <p style="text-align: right;">Continued on next page</p>	


COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER
<p>(5) The following number can be assigned as the Virtual Line. Maximum of 256 lines, regardless of the number of D^{term}s accommodated. [Series 3300 software or before] The total of D^{term}/D^{term}IP numbers and Virtual Line numbers can only equal 1020, maximum. [Series 3400 software or later]</p> <p>(6) 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.</p>	

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

ASSIGNMENT PROCEDURE:


ST + 11 + DE + Virtual LEN (3/4 digits) + DE + VIRTUAL LINE NUMBER (1-9 digits) / INTERCOM NUMBER (4 digits) + EXE

DATA TABLE:

VIRTUAL LEN	VIRTUAL LINE NUMBER		RELATED COMMAND
000-255 0000-1019  See PRECAUTION (4)	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

VIRTUAL LEN	VIRTUAL LINE NUMBER		RELATED COMMAND
000-255 0000-1019  See PRECAUTION (4)	B000	Dial Intercom number	CM12 Y=03 CM56 Y=12 CM90
	∩		
	B900	BX YY	
	B001	X : Intercom Code (0-9)	NOTE 3
	∩	YY: Dial Intercom Group number (00-24)	
	B901		
	∴		
	B024		
	∩		
	B924		
	AA01	Loop Line number for D ^{term} Attendant Position	CM12 Y=03 CM90
	∩		
	AA05	AAX Y	
	AA11	X: Attendant Position number (0-7)	
	∩	Y: Loop number (1-5)	
	AA15		
	∴		
	AA71		NOTE 4
	∩		
	AA75		
	AB00	ICI/OPR Line number for D ^{term} Attendant Position	CM12 Y=02 CM15 Y=73 CM17 Y=1, 2 CM90 Y=00
	∩		
	AB99		

Continued on next page

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

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

<i>AUTOMATIC INTERCOM GROUP</i>	<i>AUTOMATIC INTERCOM No. (A)</i>	<i>AUTOMATIC INTERCOM No. (B)</i>
00	A000	A100
01	A001	A101
∷	∷	∷
31	A031	A131

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

<i>MANUAL INTERCOM GROUP</i>	<i>INTERCOM NUMBER</i>
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:

<i>DIAL INTERCOM GROUP</i>	<i>INTERCOM NUMBER</i>
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:

<i>ATTENDANT POSITION</i>	<i>LOOP LINE NUMBER</i>
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:	
<p>The features for each station are determined by assigning Station Class-1 to each station number.</p>	
PRECAUTION:	
<p>(1) When assigning Station Class-1 to D^{term} by this command, enter “X-XXXXXXXX (My Line number)” of FX-FXXXXXXXX, which is assigned by CM10/CM14, as the first data. Also when assigning to D^{term}IP enter “X-XXXXXXXX (D^{term}IP station number)” of FX-FXXXXXXXX, which is assigned by CM14, as the first data.</p> <p>(2) The data for Single Line station number, My Line number of D^{term}, Virtual Line station number, Automatic/Manual/Dial Intercom number, Loop Line number and ICI/OPR Line number, D^{term}IP station number are shown in the table on next page.</p> <p>(3) After setting CM12 Y=17, system reset is required.</p>	
Continued on next page	

COMMAND CODE	TITLE:
12	STATION CLASS-1

×: To assign –: Not assigned

STATION NUMBER	Y															
	00	01	02	03	04	05	07	11	12	13	16	17	19	20	21	22
Single line station number (Assigned by CM10/CM14)	×	×	×	×	×	×	–	×	×	×	×	–	×	×	–	–
D ^{term} My line number (Assigned by CM10/CM14)	–	×	×	×	×	–	×	×	×	×	×	×	×	–	×	*
D ^{term} 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 D ^{term} Attendant Position (Assigned by CM11)	–	–	–	×	–	–	–	–	–	–	–	–	–	–	–	–
ICI/OPR Line number for D ^{term} (Assigned by CM11)	–	–	×	×	–	–	–	–	–	–	–	–	–	–	–	–
D ^{term} IP station number (Assigned by CM14)	–	×	×	×	×	–	×	×	–	–	–	–	–	–	–	–

(): “FAX Incoming Call Lamp Indication” only.

* : CM12 Y=22, 23 are effective for D^{term} 70/D^{term} 75 with 75 mode/D^{term} 85 with 85 mode.

D^{term} 70=Elite Terminal

D^{term} 75=D^{term} Series E

D^{term} 85=D^{term} Series i

Continued on next page

COMMAND CODE	TITLE: STATION CLASS-1
12	

×: To assign -: Not assigned

STATION NUMBER	Y															
	23	24	25	28	29	30	31	32	33	34	35	36	37	38	39	43
Single line station number (Assigned by CM10/CM14)	-	-	×	-	-	×	×	×	×	×	×	×	×	-	-	-
D ^{term} My line number (Assigned by CM10/CM14)	*	×	×	×	×	×	×	×	×	×	×	×	×	×	-	-
D ^{term} 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 D ^{term} Attendant Position (Assigned by CM11)	-	×	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ICI/OPR Line number for D ^{term} (Assigned by CM11)	-	×	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D ^{term} IP station number (Assigned by CM14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	×	-

* : CM12 Y=22, 23 are effective for D^{term} 70/D^{term} 75 with 75 mode/D^{term} 85 with 85 mode.

D^{term} 70=Elite Terminal

D^{term} 75=D^{term} Series E

D^{term} 85=D^{term} Series i

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

x: To assign -: Not assigned

STATION NUMBER	Y													
	44	45	46	47	48	49	50	61	62	63	64	90	91	92
Single line station number (Assigned by CM10/CM14)	x	x	x	x	x	x	-	x	-	-	x	-	x	-
D ^{term} My line number (Assigned by CM10/CM14)	x	x	x	x	x	x	-	x	x	x	-	-	x	-
D ^{term} Virtual line station number (Assigned by CM11)	-	x	-	-	x	x	-	x	x	-	-	-	x	-
Automatic Intercom number (Assigned by CM11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manual Intercom number (Assigned by CM11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dial intercom number (Assigned by CM11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loop Line number for D ^{term} Attendant Position (Assigned by CM11)	x	-	-	-	-	-	-	-	-	-	-	-	-	-
ICI/OPR Line number for D ^{term} (Assigned by CM11)	x	-	-	-	-	-	-	-	-	-	-	-	-	-
D ^{term} IP station number (Assigned by CM14)	-	x	-	-	x	x	x	x	x	x	-	x	x	x

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 (1-8 digits) + EXE

DATA TABLE:

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	DTMF or DP NOTE: This data setting is not required for a D ^{term} .	1 2 3◀	DP DTMF DP/DTMF	CM45 Y=0
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)	CM60 Y=02 CM61 Y=01 CM35 Y=11 Y=51>58 Y=61>68 CM81 CM20 Y=0-3: A043 CM90 Y=00: F0043
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

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
03	Kind of Telephone	00	House Phone 0	CM51 Y=14
		01	House Phone 1	
		02	House Phone 2	
		03	House Phone 3	
		00	FAX Call Station Group No. 0	CM51 Y=14
		01	FAX Call Station Group No. 1	
		02	FAX Call Station Group No. 2	
		03	FAX Call Station Group No. 3	
		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	D ^{term} Attendant Position Loop Lines	CM11		
09	Delayed Hotline [Series 3700 R12.2]	CM41 Y=0>119 CM52 Y=00-99		
15◀	Ordinary Station (Other than data 00-08)			
04	Tenant	00	Tenant 00	CM30 Y=01
		01◀	01	
		∩	∩	
		63	Tenant 63	
05	Accommodation of Single line telephone/FAX call station to D ^{term} 's Multiline	0	Accommodated	CM10/CM14 CM90 CM13 Y=08
		1◀	Not accommodated	

Continued on next page

COMMAND CODE		TITLE:		
12		STATION CLASS-1		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
07	Service Restriction Class C	00 ? 15◀	Service Restriction Class C (00-15) NOTE: <i>The features available in each Class are programmed in CM15.</i>	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)	
12	Calling Party Number displayed on called side	X ? XXXXXXXXX NONE◀	ISDN/SIP subscriber number (ISDN/SIP Indial No.)/Station number (ANI/Enhanced-911) No data	CM12 Y=46
<p>NOTE 1: <i>As the second data, assign the Indial number informed when a call is originated from the station. For a station for which no Indial number is informed, assign NONE.</i></p> <p>NOTE 2: <i>When the system accommodates both ISDN and SIP trunks, the subscriber number assigned by this command is used for ISDN. Assign a subscriber number with CM12 Y=46 for SIP.</i></p>				
13	ISDN/SIP Local Office Code Table	00 ? 14 15◀	ISDN/SIP Local Office Code Table number 00 ? ISDN/SIP Local Office Code Table number 14 No data	CM12 Y=47 CM50 Y=05
<p>NOTE 1: <i>When the system accommodates both ISDN and SIP trunks, the Local Office Code Table assigned by this command is used for ISDN. Assign a Local Office Code Table with CM12 Y=47 for SIP.</i></p>				
16	Trunk to be seized as Private Line on per station basis	D000 ? D255 NONE◀	Trunk number No data	CM35 Y=18 CM42>09 CM35 Y=28 CM15 Y=25
<p>NOTE: <i>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=28. Also to restrict Timed Queue, set the second data "0" by CM15 Y=25.</i></p>				

Continued on next page

COMMAND CODE	TITLE: STATION CLASS-1
12	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
17	TAPI ADAPTER mode (INITIAL) [Series 3200 R6.1 (R6.1)]	0 3 ◀	D ^{term} 65 TAPI ADAPTER on D ^{term} 75 (D ^{term} Series E) [Soft Key is not available] Not used	CM12 Y=22
<p>NOTE 1: When using D^{term} 65 TAPI ADAPTER on D^{term} 75, set "0".</p> <p>NOTE 2: When the TAPI ADAPTER is not used, set "3".</p> <p>NOTE 3: For PN-2DLC/4DLC cards, this data must be assigned to the first LEN (Level 0) of each card. For PN-8DLC cards, this data must be assigned to the first LEN (Level 0) and fifth LEN (Level 4) of each card.</p>				
	Characteristic of LLC (PN-4LLCB) Card (INITIAL)	1 3 ◀	Long distance Short distance	
<p>NOTE: When using Series 3600 software or later, a reset of the MP card is not required after this command for LLC card is set/changed. When changing the data with online, the data is valid after the LLC card is unplugged and plugged in with two seconds or more interval. (When using DLC card, a reset of the MP card is required.)</p>				

Continued on next page

COMMAND CODE		TITLE:		
12		STATION CLASS-1		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
19	Combination of the main station and sub station for WCS Number Sharing	X ? XXXXXXXXX NONE◀	Main station number/Sub station number No data	
<p>NOTE 1: Assign the data as follows.</p> <ul style="list-style-type: none"> ┌ 1st data: Main station (D^{term} My line) └ 2nd data: Sub station (PS/WLAN terminal) ┌ 1st data: Sub station (PS/WLAN terminal) └ 2nd data: Main station (D^{term} My line) <p>NOTE 2: As the main station number, D^{term} My line number must be assigned. As the sub station number, the station number/WLAN virtual station number assigned to the LC, which is connected to the Wireless system, must be assigned.</p>				
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/ CM14>C2XX CM45 Y=5 CM50 Y=00>8
21	Russian Indication D ^{term} [Series 3600]	1 3◀	To provide Not provided	CM12 Y=63
22	D ^{term} Soft Keys	0◀ 1	Available Not available	CM12 Y=17 CM9A
<p>NOTE: Effective only when CM12 Y=17: 3. CM12 Y=22 is automatically set to "0" when CM93 (Prime Line) is assigned.</p>				
23	D ^{term} 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		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
24	Kind of D ^{term}	0	24 Line/Trunk/Feature keys + 8/12 One Touch keys	CM94
		7◀	16 Line/Trunk/Feature keys + 16/20 One Touch keys or Attendant Position	
NOTE: After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the D ^{term} .				
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
28	D ^{term} Type [Series 3300]	0 1◀	D ^{term} 85 (Series i) 16LD Type Normal Type D ^{term}	
29	Send indication data to Line Key LCD of D ^{term} 85 (Series i) 16LD [Series 3300]	0 1◀	To send indication data Data sending completed/Not sent	CM12 Y=28
	Request my line number to the D ^{term} [Series 3400]	0 1◀	Available Not available	CM15 Y=210
NOTE: When second data is inputted, my line number information is transmitted to D ^{term} according to setting of CM15 Y=210. Second data returns to 1 after the completion of transmitting my line number information.				
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		
◀: Initial Data				
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
38	Number of Memory Block for CID Call Back	XXXXZZ NONE◀	XXXX : Start Block Number (0000-4086) ZZ : Number of Memory Block for CID Call Back 01: 8 blocks 02: 16 blocks 03: 24 blocks 4 blocks	CM35 Y=150
<p>NOTE 1: The memory block cannot be used in common by multiple stations. Set the memory block to each D^{term} station respectively.</p> <p>NOTE 2: This command is not effective for a Single Line station/Virtual Line station/PS.</p> <p>NOTE 3: The start block number set by the second data is as follows. 0000-1016 [Series 3800 software or before] 0000-4086 [Series 3900 software or later]</p>				
39	Location number of D ^{term} IP for Local Connection [Series 3100]	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 NONE◀	Group Call No. 00 ? Group Call No. 19 Not assigned	CM13 Y=45 CM57 Y=10-29

Continued on next page

COMMAND CODE		TITLE:		
12		STATION CLASS-1		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
44	Time to start the power saving of D ^{term} 85 (D ^{term} Series i) [Series 3200 R6.1 (R6.1)]	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	
45	Charging Station Class number [Series 3300]	00 ? 15◀	Class No. 00 ? Class No. 15	CMDD04
46	Calling Party Number displayed on called side [Series 3600]	X-XXXX NONE◀	SIP subscriber number (Indial No.) No data	CM12 Y=12
47	Local Office Code Table [Series 3600]	00 ? 14 15◀	SIP Local Office Code Table number 00 ? SIP Local Office Code Table number 14 No data	CM12 Y=13
48	Connection between D ^{term} SP30 and PS [Series 3400]	0 1 3◀	Main station (D ^{term} SP30) Sub station (PS) Not connected	

Continued on next page

COMMAND CODE		TITLE:		
12		STATION CLASS-1		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
49	Station controlled by AP00 card in Billing/Hotel features [Series 3400] AP00 INITIAL	0 1 3◀	Not controlled Controlled Only 504 stations are controlled in order of station registration (The 505 or more stations are not controlled)	CM12 Y=91
<p>NOTE 1: In billing/hotel features using AP00 card, a maximum of 504 stations can be controlled by AP00 card. When 505 or more stations are accommodated in a system, you have to specify to each station whether a station is controlled by AP00 card or not.</p> <p>NOTE 2: When billing/hotel features using AP00 card are provided in a system that has 505 or more stations, set the 2nd data 0 or 1 to all stations.</p> <p>NOTE 3: You can confirm stations assigned by CM12 Y=49. Execute CM12 Y=91 10 minutes after AP initialization. Check CM12 Y=49 data setting when NONE is displayed even though a station is set as a station controlled by AP00 card.</p> <p>NOTE 4: When you change CM12 Y=49 data setting, output the billing information to a printer before changing.</p>				
50	Location number of D ^{term} IP for Remote Connection [Series 3100]	00 ∫ 63 NONE◀	Location number 00 ∫ Location number 63 Location number 00	CM67
61	Warning SST sending timer for forced release [Series 3500]	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
<p>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).</p>				
62	Do Not Disturb/Message Waiting Lamp Indication on Line/Trunk/Feature keys of D ^{term} [Series 3500]	0 1 2 3◀	Neither Message Waiting Lamp nor Do Not Disturb Lamp is indicated Not used Do Not Disturb Lamp Indication Message Waiting Lamp Indication (effective when CM08>140: 0)	CM08>140 CM15 Y=188 CM15 Y=189

Continued on next page

COMMAND CODE	TITLE: STATION CLASS-1
12	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
63	Display language for D ^{term} LCD (Station Base) [Series 3600]	00	Japanese	CM04 Y=0>00
		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	
	NONE◀	[For EU] [Series 3800] As per CM04 Y=00>00		
NOTE: To display the Russian on the Russian indication D ^{term} , follow the initial data setting.				
64	Site number to ISDN Alternative Routing Site for virtual PS/WLAN station number in Remote PIM survival mode [Series 3700 R12.2]	00	Main Site number	
		01	Remote Site number 01	
		?	?	
		30	Remote Site number 30	
		NONE◀	No data	

Continued on next page

COMMAND CODE		TITLE:		
12		STATION CLASS-1		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
90	Registered D ^{term} IP MAC Address display/clear	X.....XXX (12 digits) 0 CCC NONE◀	MAC Address display MAC Address automatic registration in Fixed Connection Mode [Series 3700 R12.2] Clear No data	
<p>NOTE 1: If you clear the registered D^{term}IP MAC Address while the system is operating, D^{term}IP is reset even though it is connected.</p> <p>NOTE 2: MAC Address automatic registration in Fixed Connection Mode should be executed during the terminal logging in.</p> <p>NOTE 3: Maximum 256 MAC Addresses can be registered in Fixed Connection Mode.</p> <p>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 that, "DATA ERROR" is displayed.</p> <p>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 site, execute the office data copy by CMEC Y=8 to the remote site.</p> <p>NOTE 6: Confirm the registered MAC Addresses by CM12 Y=92.</p>				
91	Confirmation of Stations controlled by AP00 card [Series 3400]	000 ? 503 NONE◀	Station number 000 ? Station number 503 Not controlled	CM12 Y=49
92	MAC Address registration in Fixed Connection Mode [Series 3700 R12.2]	X.....XXX (12 digits) CCC NONE◀	MAC Address Clear No data	
<p>NOTE 1: Maximum 256 MAC Addresses can be registered in Fixed Connection Mode.</p> <p>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 that, "DATA ERROR" is displayed.</p> <p>NOTE 3: When a MAC Address is entered during the terminal logging in wrongly, "DATA ERROR" is displayed. When a MAC Address of the other terminals which is logging in is entered, "WAIT, BUSY NOW" is displayed.</p> <p>NOTE 4: 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 site, execute the office data copy by CMEC Y=8 to the remote site.</p>				

COMMAND CODE	TITLE: STATION CLASS-2
13	

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 D^{term} by this command, enter “X-XXXXXXXX (My Line number)” of FX-FXXXXXXXX, which is assigned by CM10/CM14, 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.
 - Ringing interval is fixed to 1 second ON-2 seconds OFF.
 - Call Waiting Answer-Called Side to be restricted by CM15 Y=44: 0.
- (3) After setting CM13 Y=28, 33, system reset is required.
- (4) The data for a Single Line station number, My Line number of a D^{term} 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	14	15	18	21	22	23
Single Line station number (Assigned by CM10/CM14)	×	×	×	×	×	×	×	×	×	×	×	–	×	×	×	×	×	×	×	×
D ^{term} My Line number (Assigned by CM10/CM14)	×	×	×	×	×	×	×	×	–	×	×	–	×	×	×	×	–	×	–	×
Virtual Line station number (Assigned by CM11)	–	–	–	–	–	–	–	×	–	–	–	×	×	×	×	×	–	×	–	×

Continued on next page

COMMAND CODE	TITLE: STATION CLASS-2
13	

×: To assign -: Not assigned

STATION NUMBER	Y	24	25	29	32	33	34	35	36	37	39	40	41	45	46	51	52	54	55	56	57	58
Single line station number (Assigned by CM10/CM14)	-	×	×	-	-	-	-	-	-	×	-	-	-	-	×	×	×	-	×	-	-	-
D ^{term} My line number (Assigned by CM10/CM14)	×	×	×	×	×	×	×	×	×	×	×	-	×	-	×	×	×	×	×	×	×	×
Virtual line station number (Assigned by CM11)	-	-	-	-	-	-	-	-	-	-	-	×	-	×	-	-	-	-	×	-	-	-

ASSIGNMENT PROCEDURE:






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

DATA TABLE:

◀: Initial Data

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 Not provided See CM51 Y=12
03	Message Waiting/Message Reminder	0 1◀	To provide (for the station with MW lamp) Not provided
04	Howler tone automatic sending	0 1◀	Not provided To provide See CM08>153
05	SMDR for incoming call	0 1◀	To provide Not provided See CM35 Y=49

Continued on next page

COMMAND CODE		TITLE:	
13		STATION CLASS-2	
◀: Initial Data			
Y		SETTING DATA	
No.	MEANING	DATA	MEANING
06	SMDR/Centralized Billing-CCIS for outgoing call	0 1◀	Not provided To provide  See CM35 Y=14
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 accommodated on multiline of D ^{term}	0 1◀	Not sent ringing signal Send ringing signal  See CM12 Y=05
09	Intra-office connection PAD	0 1◀	Without PAD With PAD (6 dB)
	Analog SLT connection PAD [For EU] [Series 3400]	0 1◀	Without PAD With PAD (7 dB)
NOTE: Assign the second data to 1 [with PAD (7dB)] for following countries. Austria/Belgium/Denmark/Germany/Italy/South Africa/Spain/Sweden/Switzerland/The Netherlands/UK/Brazil/China/International			
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	Message Waiting Front Desk Terminal/Administrative station
		1◀	Ordinary Station
NOTE: MW Lamp of calling station is turned off when Message Waiting Front Desk Terminal answers.  See CM08>233			
14	Station Hunting for incoming calls other than Direct-in Termination calls	0 1◀	Ineffective Effective

Continued on next page

COMMAND CODE		TITLE:	
13		STATION CLASS-2	
◀: Initial Data			
Y		SETTING DATA	
No.	MEANING	DATA	MEANING
15	Station Hunting for Direct-in Termination calls	0 1◀	Ineffective Effective See CM35 Y=49
18	Reverse signal sending to stations	0 1◀	To send Not sent
NOTE: This command is effective when using the LC card (PN-4LCF/PN-4LCL/PN-4LCW) supports reverse signal.			
21	VIP Class for Executive Calling/Call Waiting	0 1◀	To provide Not provided
22	Momentary Open NOTE: Set "0" to VMS.	0 1◀	To provide Not provided See CM41 Y=1>08
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=22 CM76 Y=13			
24	Ordinary station or NEAX Mail digital station	0 1◀	NEAX Mail digital port Ordinary D ^{term} port
25	Facility control of ISDN Calling Party Number (CPN)	0 1◀	To provide Not provided
29	Designation of FAX call stations	0 1◀	FAX call station Ordinary station
32	Connection of Analog Port Adapter to D ^{term}	0 1◀	To connect Not connected
33	Port mode of Analog Port Adapter INITIAL	0 1◀	Dual port mode Single port mode
34	Designation of station connected to Dual port mode of Analog Port Adapter	0 1◀	Station connected to Dual port mode of Analog Port Adapter Station not connected to Analog Port Adapter

Continued on next page

COMMAND CODE		TITLE:	
13		STATION CLASS-2	
◀: Initial Data			
Y		SETTING DATA	
No.	MEANING	DATA	MEANING
35	Send or not ringing signal to the single line telephone connected to Analog Port Adapter	0 1◀	Not sent ringing signal Send ringing signal
36	Connection of TAPI Adapter	0 1◀	TAPI station Ordinary station
	Send information of application to IP ^{term} /D ^{term} SP30	0 1◀	To send Not sent
	NOTE: Set the second data to "0" for D ^{term} SP30 in spite of the setting data of CM12 Y=48.		
37	VMS Soft Key feature NOTE: Set this data to VMS station number.	0 1◀	To provide Not provided
39	WCS Roaming for Virtual Station of Visitor PS [For PCS]	0 1◀	Available Not available
	NOTE: When using as WCS Roaming for Virtual Station of Visitor PS, this data must be assigned before data assignment of CMIC for PS station number.		
40	Station number assigned by CM11 for BLF-CCIS	0 1◀	Other office station Own office station
41	Register calling number into Redial key on D ^{term} when answering the call	0 1◀	To provide Not provided
45	Group Call by Pilot Number Dialing	0 1◀	To provide Not provided
46	Call Forwarding-Don't Answer (No Answer) Timing [Series 3100]	0 1◀	As per CM41 Y=0>100, 101/CME6 Y=07, 08 As per CM41 Y=0>01, 15
	NOTE: Call Forwarding-Don't Answer (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. [Series 3200 R6.2 (R6.2)]		
Continued on next page			

COMMAND CODE		TITLE:	
13		STATION CLASS-2	
◀: Initial Data			
Y		SETTING DATA	
No.	MEANING	DATA	MEANING
51	Kind of station in the hotel function [Series 3400]	0 1◀	Administrative station Guest station
NOTE: Set the second data to "0", when the station is used except Hotel Console or Guest station.			
52	Whether the PMS information for 8 characters display in left-side on upper line of LCD is to be displayed on administrative station (D ^{term}) or not [Series 3400]	0 1◀	Display information assigned by CM08>548 Not displayed
54	Provide Calling Number Display for the my line assigned by CM57 Y=30 [Series 3600]	0 1◀	To provide Not provided
55	Provide Calling Number Display for the stations of SLT/sub line of D ^{term} /Virtual line/Virtual station for PS that are accommodated to the D ^{term} multi-line as a subline [Series 3600]	0 1◀	To provide Not provided
NOTE: When terminating the call to the stations of SLT/subline of D ^{term} /Virtual line/Virtual station for PS, the calling number is displayed on the LCD of the D ^{term} assigned by CM57 Y=30.			
56	Call termination to Attendant Position/station Night mode is set [Series 3700 R12.1]	0 1◀	Restricted Allowed
57	Voice Mail Live Record-CCIS [Series 3700 R12.1]	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 [Series 3800]	0 1◀	Hold the call and seize the Line/Trunk key Disconnect the call and seize the Line/Trunk key

COMMAND CODE	TITLE:						
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP						
FUNCTION:							
This command is used to assign station numbers, trunk numbers, and card numbers to LEN (Line Equipment Number: FP/Virtual AP No. + AP/Virtual PIM Port No.).							
PRECAUTION:							
[Series 3200 R6.2 (R6.2)]							
(1) The first data of CM14 is as follows. Assign the correct FP/AP number to each FP/AP, referring to tables below.							
[For Series 3200 R6.1 software or before]							
×: Available –: Not available							
FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE	–	×	–	×	–	–	–
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	×	–	–	–	–	–	–
DAIA/DAID card	–	×	–	×	–	–	–
Virtual FP for D ^{term} IP	–	×	–	×	–	–	–
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT)	–	–	×	–	×	–	–
[For Series 3200 R6.2 software]							
×: Available –: Not available							
FP/AP No.	00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE	–	×	–	×	–	–	–
FP card (PN-CP15)	–	×	–	×	–	–	–
MP built-in FP	×	–	–	–	–	–	–
Virtual FP for D ^{term} IP	–	×	×	×	×	–	–
AP card	–	–	×	–	×	–	–
Virtual AP (Virtual IPT)	–	–	×	–	×	–	–
Continued on next page							

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

- For Remote PIM over IP

×: Available –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–
	Remote Site	–	×	×	×	×	–	–
Virtual FP for D ^{term} IP	Main Site/ Remote Site	–	×	×	×	×	–	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT)		–	–	×	–	×	–	–

[For Series 3300 software]

×/Δ: Available **NOTE** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP		×	–	–	–	–	–	–
Virtual FP for D ^{term} IP		–	×	Δ	×	Δ	Δ	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/ Virtual CSH [For PHS])		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station		–	Δ	–	–	–	–	×

NOTE: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
Virtual FP for D ^{term} IP	Main Site	–	×	Δ	×	Δ	Δ	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/ Virtual CSH [For PHS])		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station		–	Δ	–	–	–	–	×

[For Series 3400/3500/3600/3700 software]

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP		×	–	–	–	–	–	–
Virtual FP for D ^{term} IP		–	×	Δ	×	Δ	Δ	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/ Virtual CSH for IP-CS [For PHS] /Virtual CSH for WLAN) NOTE 3		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station/ Virtual FP for WLAN Sta- tion NOTE 3		–	Δ	–	–	–	×	×

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations/WLAN stations or less and setting of the FP number (56-63), when providing 257 PS stations/WLAN stations or more.

NOTE 3: Virtual CSH for WLAN and Virtual FP for WLAN Station are available for Series 3600 software or later.

Continued on next page

COMMAND CODE	TITLE: STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP
14	

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63
FP/AP TYPE								
FP card (PN-CP15)		–	×	–	×	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
Virtual FP for D ^{term} IP/ Virtual FP for User Mobility NOTE 3	Main Site	–	×	Δ	×	Δ	Δ	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–
AP card		–	–	×	–	×	–	–
Virtual AP (Virtual IPT/ Virtual CSH for IP-CS [For PHS]/Virtual CSH for WLAN) NOTE 4		–	–	Δ	–	Δ	×	–
Virtual FP for PS Station/ Virtual FP for WLAN Station NOTE 4		–	Δ	–	–	–	×	×

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations or less and setting of the FP number (56-63), when providing 257 PS stations or more.

NOTE 3: Virtual FP for user mobility is available for Series 3500 software or later.

NOTE 4: Virtual CSH for WLAN and Virtual FP for WLAN Station are available for Series 3600 software or later.

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

[For Series 3800 software or later]

×/Δ: Available **NOTE 1** –: Not available

FP/AP No. / FP/AP TYPE	00	01-03	04-15	16-19	20-31	32-59	60-63	64-93
FP card (PN-CP15)	–	×	–	×	–	–	–	–
MP built-in FP	×	–	–	–	–	–	–	–
Virtual FP for D ^{term} IP	–	×	Δ	×	Δ	Δ	–	–
AP card	–	–	×	–	×	–	–	–
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS] /Virtual CSH for WLAN)	–	–	Δ	–	Δ	×	–	–
Virtual FP for PS Station/ Virtual FP for WLAN Station	–	Δ	–	–	–	×	×	–

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations/WLAN stations or less and setting of the FP number (56-63), when providing 257 PS stations/WLAN stations or more.

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

- For Remote PIM over IP

×/Δ: Available **NOTE 1** –: Not available ◇: Available only for partial APs

FP/AP No.		00	01-03	04-15	16-19	20-31	32-59	60-63	64-93
FP/AP TYPE									
FP card (PN-CP15)		–	×	–	×	–	–	–	–
MP built-in FP	Main Site	×	–	–	–	–	–	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–	–
Virtual FP for D ^{term} IP/ Virtual FP for User Mobility	Main Site	–	×	Δ	×	Δ	Δ	–	–
	Remote Site	–	Δ	Δ	Δ	Δ	×	–	–
AP card	Main Site	–	–	×	–	×	–	–	–
	Remote Site	–	–	×	–	×	–	–	◇ NOTE 3
Virtual AP (Virtual IPT/Virtual CSH for IP-CS [For PHS] /Virtual CSH for WLAN)		–	–	Δ	–	Δ	×	–	–
Virtual FP for PS Station/ Virtual FP for WLAN Station		–	Δ	–	–	–	×	×	–

NOTE 1: Although FP/AP number marked with “Δ” is available to use, we recommend FP/AP number marked with “×”.

NOTE 2: We recommend the setting of the FP number (60-63), when providing 256 PS stations or less and setting of the FP number (56-63), when providing 257 PS stations or more.

NOTE 3: Only PRT and CIR (PN-4RSTC-A) cards accommodated in Remote Site are able to be used.

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP
<p>(2) LEN is determined by setup of CM05 Y=0/4/6/8, refer to “LEN ASSIGNMENT” about location of LEN at the initial setting. ☞ Page A2</p> <p>(3) When deleting a station number (Single Line or D^{term}), be sure to delete Call Pickup data (CM16), ACD/UCD Group data (CM17) and Station Hunting Group data (CM18) in advance.</p> <p>(4) When assigning Conference Trunk (ED00-ED03), a system reset is required after data setting.</p> <p>(5) After assigning the data for PN-8RST (DTMF receiver), PN-2CSI/PN-4CSI (CSI), PN-2ILCA (ISDN Terminal), you must unplug the circuit cards, then plug them again (After unplugging the circuit card, you must wait for 30 seconds before plugging the circuit card again.).</p> <p>(6) 5 or more digits station number should not be assigned when the following features with AP00 are used.</p> <ul style="list-style-type: none"> • SMDR/PMS • Front Desk Terminal/D^{term} TIMS (CIS) <p>(7) Remote Site cannot accommodate the following FP/AP/LT cards. 8RSTA/G (PBR) NOTE</p> <p>NOTE: <i>Four-line built-in PBR on the MP card is available at Remote Site. When Remote Site is IPS^{DMR}/IPS^{DM}, in addition to the above conditions, the following LT cards are restricted. PN-4LDTA (LDT), PN-4LLCB (LLC), PN-8PFTB (PFT)</i></p>	

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

ASSIGNMENT PROCEDURE:

[ST] + 14 + [DE] + 1ST DATA (5 digits) + [DE] + 2ND DATA (1-10 digits) + [EXE]

DATA TABLE:

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	X-XXXXXXXX	Single Line station number (1-8 digits) Virtual PS station number (1-8 digits) WLAN virtual station number (1-8 digits) X=0-9, A (*), B (#)	CM12 CM13
		C100 ? C163	Card number of AMP trunk (PN-2AMP) NOTE 1: <i>The card number (C100-C163) should be assigned to the FP No. 00-03 as follows. For FP No. 00: C100-C115 For FP No. 01: C116-C131 For FP No. 02: C132-C147 For FP No. 03: C148-C163</i> NOTE 2: <i>Do not assign the card number to the other FP No. than above.</i> [Series 3200 R6.2 (R6.2)]	CM38
		C200 ? C203	Card number of Caller ID sender (PN-4RSTF/PN-4RSTF-A/PN-4RSTH) [North America Only] [Series 3200 R6.2 (R6.2)]	CM04 Y=01>02 CM45 Y=5
		CF00	Virtual station port for visitor [Series 3500] NOTE: <i>This data is displayed when reading the virtual station port for visitor. You cannot write/clear this data.</i>	CM05 Y=9

Continued on next page

COMMAND CODE		TITLE:				
14		STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP				
1ST DATA		2ND DATA		RELATED COMMAND		
DATA	MEANING	DATA	MEANING			
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	D000 ?	Trunk number (C.O./Tie Line, Paging, Radio Paging, BGM, Virtual trunk, 4VCT, SIP trunk) • For COT Maximum 64 lines per PIM • For DIT Maximum 48 lines per PIM • For LDT/ODT Maximum 24 lines per PIM • For TNT (BGM) Maximum 10 lines per system NOTE 1: <i>Trunk numbers already assigned by CM07 should not be used.</i> NOTE 2: <i>Do not assign Trunk number D255 for CCIS/IP/SIP.</i>	CM07 CM30 CM35		
		DA00 ? DA09			Card number of External Hold Tone Interface (0-9) for Music on Hold (TNT/COT) [Series 3200 R6.2 (R6.2)]	CM44 CM48 CM12 Y=04
		DB00 ? DB09			Card number of External Announcement Machine Interface (0-9) for Wake Up service [Series 3200 R6.2 (R6.2)]	CM44 CM48
		DD000 ? DD255			IP-PAD (PN-32IPLA/PN-32IPLA-A) number DD XXX XXX: Channel No. of IP-PAD (000-255) [Series 3200 R6.2 (R6.2)]	CM0A Y=50
		E000 ? E007			ATTCON/DESKCON number (0-7) NOTE: <i>ATTCON/DESKCON number should be different from Large type ATTCON numbers assigned by CM06.</i> [Series 3200 R6.2 (R6.2)]	CM90 CM60

Continued on next page

COMMAND CODE	TITLE: STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP
14	

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	E100 ? E131	DSS Console number (00-31) NOTE 1: For the FP No. 00-03, the DSS Console number (E100-E131) should be assigned as follows. For FP No. 00: E100-E107 For FP No. 01: E108-E115 For FP No. 02: E116-E123 For FP No. 03: E124-E131 NOTE 2: For the FP No. 00-03 of MP built-in FP/FP card of Main Site and MP built-in FP of Remote Site, the DSS Console number (E100-E131) can be assigned without limit as shown above NOTE 1 . [Series 3500 or later] NOTE 3: For the FP No. 04-31, the DSS Console number can be assigned without limit as shown above NOTE 1 . NOTE 4: The same number (the last two digits of the data) should not be used for both DSS Console number (E100-E131) and Add-on Module number (EC00-EC31). [Series 3200 R6.2 (R6.2)]	CM96 CM97

Continued on next page

COMMAND CODE		TITLE:		
14		STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP		
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	E201 ? E215	<p>Card number of PB receiver (PN-8RST)</p> <p>NOTE 1: <i>The card number (E201-E215) should be assigned to the FP No. 00-03 as follows.</i> For FP No. 00: E201-E203 For FP No. 01: E204-E207 For FP No. 02: E208-E211 For FP No. 03: E212-E215</p> <p>NOTE 2: <i>For the FP No. 04-31, the card number can be assigned to without limit as shown above NOTE 1.</i></p> <p>NOTE 3: <i>The card number (E201-E215) is dedicated to PB receiver when a system is not provided Remote PIM over IP or a system is a Main Site of Remote PIM over IP.</i></p> <p>NOTE 4: <i>The card number (E200) is dedicated to built-in PB receiver when a system is not provided Remote PIM over IP or a system is a Main Site of Remote PIM over IP. (Assignment by CM14 is not required.)</i></p> <p>NOTE 5: <i>The card number (E216-E230) is dedicated to built-in PB receiver when a system is a Remote Site of Remote PIM over IP. (Assignment by CM14 is not required.)</i></p> <p>NOTE 6: <i>A maximum of 4 PB receiver number (including built-in PB receiver) can be used per FP card when a system is not provided Remote PIM over IP or a system is a Main Site of Remote PIM over IP.</i></p> <p>NOTE 7: <i>One PB receiver number (built-in PB receiver) can be used for each Remote Site when a system is a Remote Site of Remote PIM over IP.</i></p> <p>[Series 3200 R6.2 (R6.2)]</p>	CM45 Y=0, 1, 2, 9

Continued on next page

COMMAND CODE	TITLE: STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP
14	

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	E600 ?	TAS Indicator Interface number activated by station ringer (Use of LC card) [Series 3200 R6.2 (R6.2)]	CM30 Y=13, 14, 17
		E800 ? E831	Card number of External Equipment Interface (PN-DK00) NOTE 1: <i>The card number (E800-E831) should be assigned to the FP No. 00-03 as follows. For FP No. 00: E800-E807 For FP No. 01: E808-E815 For FP No. 02: E816-E823 For FP No. 03: E824-E831</i> NOTE 2: <i>Do not assign the card number to the other FP No. than above.</i> NOTE 3: <i>Circuit No. 3 of E831 is used for built-in External Equipment Interface of MP card by setting CM44.</i> [Series 3200 R6.2 (R6.2)]		CM44

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	E900 ? E963	Card number of External Key Interface (PN-DK00) NOTE 1: <i>The card number (E900-E963) should be assigned to the FP No. 00- 03 as follows. For FP No. 00: E900-E915 For FP No. 01: E916-E931 For FP No. 02: E932-E947 For FP No. 03: E948-E963</i> NOTE 2: <i>Do not assign the card number to the other FP No. than above.</i> NOTE 3: <i>Circuit No. 3 of E963 is used for built-in External Key Interface of MP card by setting CM61.</i> [Series 3200 R6.2 (R6.2)]	CM61

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	EB002 ? EB127	Card number of Digital Announcement Trunk (PN-4DATC) NOTE 1: <i>The card number (EB002-EB127) should be assigned to the FP No. 00-03 as follows. For FP No. 00: EB002-EB031 For FP No. 01: EB032-EB063 For FP No. 02: EB064-EB095 For FP No. 03: EB096-EB127</i> NOTE 2: <i>Do not assign the card number to the other FP No. than above.</i> NOTE 3: <i>The card number (EB000 and EB001) is dedicated to built-in Digital Announcement Trunk of MP card.</i> [Series 3200 R6.2 (R6.2)]	CM30 CM49

Continued on next page

COMMAND CODE		TITLE:		
14		STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP		
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	EC00 ? EC31	Add-on Module number NOTE 1: For the FP No. 00-03, the Add-on Module number (EC00-EC31) should be assigned as follows. For FP No. 00: EC00-EC07 For FP No. 01: EC08-EC15 For FP No. 02: EC16-EC23 For FP No. 03: EC24-EC31 NOTE 2: For the FP No. 04-31, the Add-on Module number can be assigned without limit as shown above NOTE 1. NOTE 3: The Add-on Module number is also effective when system is a Remote Site of Remote PIM over IP. NOTE 4: The same number (the last two digits of the data) should not be used for both DSS Console number (E100-E131) and Add-on Module number (EC00-EC31). [Series 3200 R6.2 (R6.2)]	CM90 CM98
		ED00 ? ED03	Card number of Conference Trunk (PN-CFT) INITIAL [Series 3200 R6.2 (R6.2)]	
		EE3 XXX	Card number of CS/ZT Interface XXX represents CS/ZT number (000-255)	CMAD

Continued on next page

COMMAND CODE	TITLE:
14	STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	EEA XXX	IP-CS Registration XXX represents CS number (000-255) NOTE 1: <i>For the port number of virtual CSH set by 1st data, you can set only the port number that is the multiple of 4 (000, 004, 008, ...056, 060).</i> NOTE 2: <i>The amount of the number of ports of virtual CSH and other numbers of ports used by the system (PIM port/Virtual PIM port) must not exceed 512 ports.</i> NOTE 3: <i>Do not duplicate the CS number of the IP-CS, and the CS number set by CM10>EE3XXX.</i> [For PHS] [Series 3300]	CMAD YY=00

Continued on next page

COMMAND CODE		TITLE:		
14		STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP		
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	EEB XXX	Virtual CS/ZT Registration for WLAN XXX represents Virtual CS/ZT number (000-255) NOTE 1: For the port number of Virtual CSH set by 1st data, you can set only the port number that is a multiple of 4 (000, 004, 008, ...056, 060). NOTE 2: The total number of ports of Virtual CSH and other ports used by the system (PIM port/Virtual PIM port) must not exceed 512 ports. NOTE 3: Do not duplicate the CS/ZT number set by CM14>EEBXXX and the CS/ZT number set by CM14>EE3XXX/CM14>EEAXXX. NOTE 4: When more than one Virtual CS/ZT is registered for one Virtual CSH, accommodating ports have to be assigned sequentially, beginning with the lowest port number. NOTE 5: When 16 or less Virtual CSs/ZTs are registered for one SIP Server, they have to be registered with one Virtual CSH. When 17 or more Virtual CSs/ZTs are registered, they have to be registered sequentially beginning with the Virtual CSH that is assigned to the lowest control block number by CMBC Y=02. NOTE 6: Maximum 20 Virtual CSs/ZTs can be registered per SIP Server. [Series 3600]	CM05 Y=0/6 CMBC Y=02

Continued on next page

COMMAND CODE		TITLE:		
14		STATION NUMBER, TRUNK NUMBER, CARD NUMBER FOR EACH FP		
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XX ZZZ	XX : FP/Virtual AP No. (00-63) ZZZ: AP/Virtual PIM Port No. (000-127)	EEB XXX	<p>NOTE 7: <i>If the CS/ZT number is changed or cleared by this command, all Virtual CS/ZT data assigned by CMAD changes to each initial data. Assign again all Virtual CS/ZT data by CMAD.</i></p> <p>[Series 3600]</p>	
		EFX ? EFXXXXXXXX	<p>ISDN line station number X-XXXXXXXX represents ISDN line station number X: 0-9, A (*), B (#)</p> <p>[Series 3200 R6.2 (R6.2)]</p>	
		FX ? FXXXXXXXX	<p>D^{term}/D^{term}IP station number X-XXXXXXXX represents My Line number X: 0-9, A (*), B (#)</p>	CM90

<p>COMMAND CODE</p>	<p>TITLE:</p>
<p>15</p>	<p>SERVICE RESTRICTION CLASS</p>
<p>FUNCTION: Restriction of each service feature is to be set for each service restriction class assigned to the stations. There are three kinds of Service Restriction Class, A, B and C. The service features to be restricted by these Service Restriction Classes are different.</p>	
<p>PRECAUTION: None</p>	
<p>ASSIGNMENT PROCEDURE:</p> $ \boxed{\text{ST}} + 15\text{YY/YYY} + \boxed{\text{DE}} + \begin{array}{c} \text{SERVICE RESTRICTION} \\ \text{CLASS A/B/C} \\ \text{(00-15: As assigned in} \\ \text{CM12 Y=02, 07)} \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA} \\ \text{(1/2 digits)} \end{array} + \boxed{\text{EXE}} $	

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

DATA TABLE:

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
00	Call Forwarding-All Calls	00	0	Restricted
01	Call Hold	?	1◀	Allow
02	Outgoing Trunk Queuing	15		
03	Call Back			
05	Executive Right of Way (Executive Override) Calling side			
06	Speed Calling-System (System Speed Dialing)			
07	Speed Calling-Station (Station Speed Dialing)			
08	Paging Access (External Speaker and Radio)			
09	Executive Right of Way (Executive Override)/Busy Verifica- tion/Attendant Override Called side			
10	Call Forwarding-Don't Answer (No Answer)			
11	Call Forwarding-Busy Line			
12	Call Forwarding-Busy Line/Don't Answer (No Answer)			
13	Wake Up/Timed Reminder			
14	Call Pickup-Direct			
15	Call Forwarding-I'm here (Destination)			
16	Station Camp-On (Transfer method)			
17	Priority Call 0			
18	Priority Call 1			
19	Do Not Disturb set from station/Return Message Schedule			
20	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: SERVICE RESTRICTION CLASS A
15	

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
21	Automatic Wake Up set from guest or administrative station (Different wake up time is set to multiple stations)	00 ? 15	0 1◀	Restricted Allow
22	Trunk-to-Trunk Transfer			
24	Message Waiting Lamp set/reset from station			
25	Timed Queue			
26	Call Forwarding-All Calls-Outside			
27	Call Forwarding-Don't Answer (No Answer)-Outside			
28	Call Forwarding-Busy Line-Outside			
29	Call Forwarding-Busy Line-Outside/Don't Answer (No Answer)-Outside			
30	Account Code			
31	Authorization Code/Forced Account Code			
32	BGM on D ^{term}			
33	Digital Announcement Trunk Access Record/Replay/Delete			
34	Announcement Service Replay – No. 0 Announcement Service Group			
35	Announcement Service Replay – No. 1 Announcement Service Group			
36	Announcement Service Replay – No. 2 Announcement Service Group			
37	Announcement Service Replay – No. 3 Announcement Service Group			
38	Announcement Service Replay – No. 4 Announcement Service Group			
39	Announcement Service Recording			

Continued on next page

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS A
15	

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
40	Message Waiting Lamp Control from predetermined station or attendant	00 ? 15	0 1◀	Restricted Allow
41	Voice Message Waiting-System/Individual Set/Cancel/Retrieve			
42	Voice Message Waiting-System Recording			
43	Call Waiting Set-Calling Side			
44	Call Waiting Answer-Called Side			
46	Call Back-Multiple Assignment			
47	Message Reminder Setting Side			
48	Message Reminder Set Side			
49	Internal Zone Paging Access/All Zone Internal Paging			
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		0 1◀	Restricted Allow
104	Station-to-Station/Station-to-Trunk Call Monitoring Monitored Side NOTE			

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: SERVICE RESTRICTION CLASS A
15	

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
111	Whisper Page Whispering Side	00 ? 15	0	Restricted
112	Whisper Page Whispered Side		1 ◀	Allow
115	PS/WLAN Terminal Call Forwarding-Not Available		0	Restricted
			1 ◀	Allow
116	Voice Guide Validity of data set by CM48 Y=2>12, 13, 14.		0	Restricted
			1 ◀	Allow
117	WCS Roaming [For PCS] NOTE: The second data should be set to "1 Restricted" for WLAN Terminal.		0	Allow
			1 ◀	Restricted
119	Simultaneous Paging Class		0	Allow
			1 ◀	Restricted
120	Dynamic Dial Pad		0	Allow
			1 ◀	Restricted
121	PS/WLAN Terminal Kind [Series 3600] NOTE: The second data should be set to "1 Restricted" for WLAN Terminal.		0	Roaming PS/PS dual line
			1 ◀	Excluding Roaming PS
123	Calling Name Display-PS/WLAN Terminal NOTE: The second data should be set to "1 Restricted" for WLAN Terminal.	0	Allow	
		1 ◀	Restricted	
124	Remote Hold [North America Only]	0	Allow	
		1 ◀	Restricted	
126	CID Call Back	0	Allow	
		1 ◀	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	Main station number is informed	
		1 ◀	Own station number is informed	

Continued on next page

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS A
15	

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
128	WCS Number Sharing set/cancel from sub station NOTE: Set "0" to sub station. Set "1" to main station.	00 ? 15	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
130	System Clock Setup by Station Dialing		0 1◀	Allow Restricted
131	Set Relocation Setting Side NOTE		0 1◀	Allow Restricted
132	Being moved and changed by Set Relocation Set Side NOTE		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 D ^{term} , after the call is finished.		0 1◀	Allow Restricted

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

- Single Line Telephone and D^{term}
- PS and PS/Single Line Telephone/D^{term}
- Single Line Telephone (DP) and Single Line Telephone (PB)
- D^{term} (4-wire type) and D^{term} (2-wire type)
- Combination of D^{term}s with different number of Line/Trunk keys

Also, Set Relocation should not be set to D^{term}s which accommodate the following peripherals or function.

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

Continued on next page

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS A
15	

Service Restriction Class A

◀: Initial Data

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
136	Calling Number/Calling Name Display for ISDN/T1-ANI/ MFC-R2 incoming call	00	0	Calling Number Display
		?	1 ◀	Calling Name Display
139	Short Message Notification (OAI) [For PCS]	15	0	Allow
			1 ◀	Restricted
140	Pad Lock Set/Reset from station		0	Allow
			1 ◀	Restricted
141	Station Authorization Code Set/Change		0	Restricted
			1 ◀	Allow
143	D ^{term} IP Logout operation		0	Allow
			1 ◀	Restricted
146	Sending Switch Hook Flash for Adjunct Analog System [Series 3100]		0	Allow
			1 ◀	Restricted
147	Voice Mail Private Password-CCIS	0	Allow	
		1 ◀	Restricted	
<p>NOTE: <i>The first data must be the preassigned VMS Service Restriction Class which is sent from the office via CCIS. This command is not effective for the Service Restriction Class of own office.</i></p>				
148	PS Location Indication [Series 3100]	00	0	Restricted
		?	1 ◀	Allow
149	PS Location Indication on D ^{term} display [Series 3100]	15	0	Allow
			1 ◀	Restricted
204	Call Forwarding-PS/WLAN Terminal Out of Cell (Zone) for PS/WLAN Terminal Soft Key [Series 3500]		0	Destination setting of each PS/WLAN terminal
			1 ◀	Destination setting of each tenant

Continued on next page

COMMAND CODE		TITLE:		
15		SERVICE RESTRICTION CLASS A		
Service Restriction Class A				
◀: Initial Data				
Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
205	Selection of Off Hook Ring Volume [Series 3200 R6.2 (R6.2)]	00 ? 15	0 1◀	Off Hook Ring Volume 2 (As per CM42>75) Off Hook Ring Volume 1 (As per CM42>74)
<p>NOTE: The following operations are required when this data is changed.</p> <p>D^{term} : Disconnect the D^{term} cable and connect the D^{term} cable again/Unplug the DLC card and plug the DLC card again.</p> <p>$D^{term}IP$: Logout the $D^{term}IP$ and login the $D^{term}IP$ again.</p>				
207	Indication when a station is set to the Line Key of $D^{term}85$ (Series i) 16LD [Series 3300]	00 ? 15	0 1◀	Station Number Station Name
210	Display my line number on the D^{term} [Series 3400]		0 1◀	Allow Restricted
211	Malicious Call Trace [Australia Only] [Series 3500]		0 1◀	Restricted Allow
212	Preset Dialing on D^{term} [Series 3600]		0 1◀	Allow Restricted
213	SMDR service for station to station call [Series 3600]		0 1◀	Allow Restricted
214	Caller ID Display on each D^{term} [Series 3600]		0 1◀	Restricted Allow
215	Blinking LCD for caller ID Display on each D^{term} [Series 3600]		0 1◀	Restricted Allow
216	Mobility Access Mode [Series 3700 R12.1]		0 1◀	Restricted Allow
217	ISDN Alternative Routing in Remote PIM survival mode [Series 3700 R12.2]		0 1◀	Allow Restricted
218	Call Forwarding-All Calls of Mobility Access call [Series 3700 R12.2]		0 1◀	Restricted Allow
Continued on next page				

COMMAND CODE		TITLE:		
15		SERVICE RESTRICTION CLASS A		
Service Restriction Class A				
◀: Initial Data				
Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
219	Call Forwarding-Busy Line for call forwarding in Mobility Access Mode [Series 3700 R12.2]	00 ? 15	0 1◀	Restricted Allow
222	Room Status Code setting (Room Cutoff/Do Not Disturb/Message Waiting/Wake Up Call/Trunk Restriction class change) [Series 3900]		0 1◀	Allowed Restricted
400	Displaying pattern of Caller ID on the LCD of D ^{term} before answering or after answering a trunk call [Series 3800]		0 1 7◀	To display calling number on upper line of LCD, calling name on middle line of LCD To display calling name on upper line of LCD, calling number on middle line of LCD Not displayed calling number and calling name simultaneously
<p>NOTE 1: When the second data of CM15 Y=400 is set to 0, set the second data of CM15 Y=136 to 1 (Calling Name Display).</p> <p>NOTE 2: 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).</p>				
401	Entry of Authorization Code/Forced Account Code after dialing an LCR access code and desired number [Series 3900]	00 ? 15	0 1 2 7◀	Allow (Authorization Code) Allow (Forced Account Code) Allow (Authorization Code [PAD LOCK]) Restricted
<p>NOTE: To provide this operation, the following data assignments are required.</p> <ul style="list-style-type: none"> - Toll restriction (CM12 Y=01, CM8A Y=5XXX: 000, CM81) - LCR origination (CM20: A126/A127/A128/A129, CM8A Y=5XXX: 180, CM85) 				

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS B
15	

Service Restriction Class B

◀: Initial Data

Y		SERVICE REST. CLASS (B)	SETTING DATA										
No.	MEANING		DATA	MEANING									
53	TAS Service	00 ? 15	0	Restricted									
55	Individual Trunk Access from Station		1◀	Allow									
56	Change of mode for CAT												
59	Starting up OAI MSF from PB telephone/D ^{term} by using access code												
60	Day Night Mode Change by Station Dialing												
61	Periodic Time Indication Tone Sending												
62	Front Desk Terminal/D ^{term} TIMS												
63	Privacy Release												
<p>NOTE: To add a held call on D^{term} multiline as a third party of Three-Way Calling (Conference [Three/Four Party]) by CNF and LINE key operation, set CM15 Y=63 to 1.</p>													
64	Dual Hold	00 ? 15	0	Restricted									
66	Privacy (Inhibit Override by Do Not Disturb)		1◀	Allow									
68	Off-Hook Ringing												
70	Group Listening		0 1◀	Allow Restricted									
71	Attendant Terminal Class (Attendant Position)		0 1◀	Attendant Terminal Ordinary station									
<p>NOTE: To provide the D^{term} Attendant Terminal, set "0" to a different Service Restriction Class number than for regular D^{term} stations.</p> <p>Example:</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;"><u>CLASS No. 00 (ATT Terminal)</u></td> <td style="text-align: center;"><u>CLASS No. 15 (STATION)</u></td> </tr> <tr> <td>CM15 Y=71</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> <tr> <td>CM15 Y=73</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> </table>						<u>CLASS No. 00 (ATT Terminal)</u>	<u>CLASS No. 15 (STATION)</u>	CM15 Y=71	0	1	CM15 Y=73	0	1
	<u>CLASS No. 00 (ATT Terminal)</u>	<u>CLASS No. 15 (STATION)</u>											
CM15 Y=71	0	1											
CM15 Y=73	0	1											
72	Automatic Hold	00 ? 15	0	Allow									
			1◀	Restricted									
73	Attendant Terminal ICI/OPE Key		0	ICI/OPE Key									
	🔗 See CM15 Y=71		1◀	Regular station									

Continued on next page

COMMAND CODE		TITLE:		
15		SERVICE RESTRICTION CLASS B		
Service Restriction Class B				
◀: Initial Data				
Y		SERVICE REST. CLASS (B)	SETTING DATA	
No.	MEANING		DATA	MEANING
75	Maid Status	00	0	Restricted
76	Collect Call Called Side [Brazil Only]	?	1 ◀	Allow
		15		
151	Connected Destination Number/Calling Party Number Indication on Q-SIG		0	Restricted
			1 ◀	Allow
152	Connected Destination Name/Calling Party Name Indication on Q-SIG		0	Restricted
			1 ◀	Allow
153	Connected line number indication on D ^{term} display in ETSI ISDN Connected Line Identification Presentation (COLP) for a call termination office [For EU] [Series 3300]		0	Restricted
			1 ◀	Allow
154	ETSI ISDN Connected Line Identification Presentation (COLP) for a call originating office [For EU] [Series 3300]		0	Restricted
			1 ◀	Allow
155	International/National Prefix Code display for ETSI ISDN Addressing [For EU] [Series 3300]		0	Restricted
			1 ◀	Allow
156	Calling Party Name sending to ISDN [North America Only] [Series 3600]			
157	Call Completion to Busy Subscriber (CCBS) set from calling party [For EU] [Series 3700 R12.2]			
158	Call Completion to Busy Subscriber (CCBS) set to called party [For EU] [Series 3700 R12.2]			

COMMAND CODE		TITLE:		
15		SERVICE RESTRICTION CLASS C		
Service Restriction Class C				
◀: Initial Data				
Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
80	Immediate Ringing on Single Line Telephone	00 ? 15	0	Restricted
			1◀	Allow
81	One hit ringing for Call Forwarding-All Calls		0	Restricted
			1◀	Allow
82	Ringling Line Pick up		0	Allow
			1◀	Restricted
83	D ^{term} Ringer Tone Pattern		0	See below
84	The ringer tone pattern is assigned by the combination of CM15 Y=83, 84 and 93. [Series 3200 R6.1 (R6.1)]		1◀	
◀: Initial Data				
			Y=83	Y=84
			Y=93: 0	
			Y=93: 1◀	
			0	0
			0	1◀
			1◀	0
			1◀	1◀
			Ringer Tone Pattern 3	Ringer Tone Pattern 7
			Ringer Tone Pattern 6	Ringer Tone Pattern 1
			Ringer Tone Pattern 5	Ringer Tone Pattern 0
			Ringer Tone Pattern 4	Ringer Tone Pattern 2
NOTE: For the Ringer Tone Pattern, see CM65 Y=40.				
86	Ringling Line Pickup by Speaker key	00 ? 15	0	Allow
			1◀	Restricted (Prime Line Pickup)
87	Off-Hook + Dial Tone is provided when pressing One-Touch key while terminal is idle		0	Restricted
			1◀	Allow

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Initial Data

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
88	Switch Hook Flash during internal call	00	0	See below
89	Result of a Switch Hook Flash during a station-to-station call is specified by the combination of CM15 Y=88, 89.	?	1◀	
◀: Initial Data				
88	89	MEANING OF DATA		
1	1	Effective (Special Dial Tone Connection) ▶		
0	1	Ineffective		
0	0	Attendant Recall		
90	Switch Hook Flash during C.O. line connection	00	0	See below
91	Result of a Switch Hook Flash during a C.O. line connection is specified by the combination of CM15 Y=90, 91.	?	1◀	
◀: Initial Data				
90	91	MEANING OF DATA		
1	1	Effective (Special Dial Tone Connection) ▶		
0	1	Ineffective		
0	0	Attendant Recall		

Continued on next page

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS C
15	

Service Restriction Class C

◀: Initial Data

Y		SERVICE REST. CLASS (C)	SETTING DATA																					
No.	MEANING		DATA	MEANING																				
93	D ^{term} Ringer Tone Pattern D ^{term} ringer tone pattern is assigned by the following combination of CM15 Y=83, 84, and 93. [Series 3200 R6.1 (R6.1)]	00 ? 15	0 1◀	See below																				
◀: Initial Data																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Y=83</th> <th style="text-align: center;">Y=84</th> <th style="text-align: center;">Y=93: 0</th> <th style="text-align: center;">Y=93: 1◀</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Ringer Tone Pattern 3</td> <td style="text-align: center;">Ringer Tone Pattern 7</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1◀</td> <td style="text-align: center;">Ringer Tone Pattern 6</td> <td style="text-align: center;">Ringer Tone Pattern 1</td> </tr> <tr> <td style="text-align: center;">1◀</td> <td style="text-align: center;">0</td> <td style="text-align: center;">Ringer Tone Pattern 5</td> <td style="text-align: center;">Ringer Tone Pattern 0</td> </tr> <tr> <td style="text-align: center;">1◀</td> <td style="text-align: center;">1◀</td> <td style="text-align: center;">Ringer Tone Pattern 4</td> <td style="text-align: center;">Ringer Tone Pattern 2</td> </tr> </tbody> </table>					Y=83	Y=84	Y=93: 0	Y=93: 1◀	0	0	Ringer Tone Pattern 3	Ringer Tone Pattern 7	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 2
Y=83	Y=84	Y=93: 0	Y=93: 1◀																					
0	0	Ringer Tone Pattern 3	Ringer Tone Pattern 7																					
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 2																					
NOTE: For the Ringer Tone Pattern, see <i>CM65 Y=40</i> .																								
94	Display of the elapsed time to D ^{term} /D ^{term} IP [Series 3200 R6.2 (R6.2)]	00 ? 15	0 1◀	Not displayed To display																				

Continued on next page

COMMAND CODE		TITLE:																	
15		SERVICE RESTRICTION CLASS C																	
Service Restriction Class C																			
◀: Initial Data																			
Y		SERVICE REST. CLASS (C)	SETTING DATA																
No.	MEANING		DATA	MEANING															
95	Number of digits on the LCD of the D ^{term}	00 ? 15	0 1◀	24 digits 16 digits															
96	Type of D ^{term} Automatic Allocation is available by D ^{term} with LCD for Call Park-System.		0 1◀	Without LCD With LCD															
97	Service for overflowed Off-Hook Alarm call		0	See below															
98	Service for an Off-Hook Alarm call which encounters the terminating station busy is specified by the combination of data for CM15 Y=97, 98.		1◀																
◀: Initial Data																			
		<table border="1"> <thead> <tr> <th>97</th> <th>98</th> <th>MEANING OF DATA</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>UCD-Call Waiting (CM08>212: 0) Call Waiting is automatically selected, if UCD is not provided in the system.</td> </tr> <tr> <td>0</td> <td>1</td> <td>UCD (CM08>212: 1)</td> </tr> <tr> <td>1</td> <td>0</td> <td>Call Waiting</td> </tr> <tr> <td>1</td> <td>1</td> <td>Hunting</td> </tr> </tbody> </table>			97	98	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
97	98	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																	
99	Voice Call Mike Off Called Side	00 ? 15	0 1◀	Available Not available															
182	Non private extension		0 1◀	Available Not available															
188	Do Not Disturb Setting to sub-line (setting side) [Series 3500]		0 1◀	Allow Restricted															
189	Do Not Disturb Setting to sub-line (set side) [Series 3500]		0 1◀	Allow Restricted															

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Initial Data

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
194	Call log collection on VoIP call [Series 3500]	00	0	Allow
		7	1◀	Restricted
NOTE: When changing this data of terminals accommodated in a remote site, execute the office data copy by CMEC Y=8 to the remote site.				
195	Fault log collection on VoIP call [Series 3500]	00	0	Restricted
		7	1◀	Allow
196	Login to visitor site [Series 3500]	15	0	Allow
			1◀	Restricted
480	ID registration method for D ^{term} IP NOTE: Effective only when CM08>513 is set to 1. [Series 3100]		0	Protected Login Mode (Service Restriction Class based)
			1	Fixed Connection Mode
			7◀	[Series 3700 R12.2] Automatic Login Mode (Authentication by MAC Address)
481	Call Forwarding-Logout (D ^{term} IP)/Call Forwarding-PS/WLAN Terminal Out of Cell (Zone) [Series 3100]		00	Restricted
			02	Allow (Send ROT when no destination is set)
			03◀	Allow (Send RBT when no destination is set)
482	Automatic updating of D ^{term} IP firmware at the predetermined time [Series 3200 R6.1 (R6.1)]		0	Updating (One time retry)
			1	Updating (No retry)
			2◀	Not updating
483	Characteristic level for IP-PAD channel [Series 3300]		10	Characteristic level
			7	No.
			17	No data
			NONE◀	No data

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Initial Data

No.	Y MEANING	SERVICE REST. CLASS (C)	SETTING DATA	
			DATA	MEANING
484	Priority for Call Forwarding-All Calls of Mobility Access call [Series 3700 R12.2]	00 7 15	0 3◀	See below

PRIORITY	2ND DATA=0	2ND DATA=3◀
HIGH ↓ LOW	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 PIM in survival mode (CID Call Routing per each station)
	Alternative ISDN Connection when Remote PIM in survival mode (CID Call Routing per each station)	Alternative ISDN Connection when Remote PIM in survival mode (CID Call Routing per each tenant)
	Alternative ISDN Connection when Remote PIM in survival mode (CID Call Routing per each tenant)	Call Forwarding-Logout (D ^{term} IP)
	Call Forwarding-Logout (D ^{term} IP)	Call Forwarding-All Calls/Split Call Forwarding-All Calls
	UCD (Uniform Call Distribution)	UCD (Uniform Call Distribution)
	Do Not Disturb	Do Not Disturb
	Station Hunting	Station Hunting
	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.

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:	
<ul style="list-style-type: none"> (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:	
$\boxed{\text{ST}} + 16Y + \boxed{\text{DE}} + \begin{matrix} \text{STATION NUMBER (A)} \\ (1-8 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1-8 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$	

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

DATA TABLE:

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA													
No.	MEANING	DATA	MEANING	DATA	MEANING												
0	Station numbers to be included in Call Pickup Group	X ? XXXXXXXX	Station number (A)	X ? XXXXXXXX NONE◀	Station number (B) No data												
<p>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).</p> <p>For example, when defining a Call Pickup group with station numbers 300, 301, and 302, three operations are performed.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><u>Station number (A)</u></td> <td style="text-align: center;"><u>Station number (B)</u></td> </tr> <tr> <td>1st Operation</td> <td style="text-align: center;">300</td> <td style="text-align: center;">301</td> </tr> <tr> <td>2nd Operation</td> <td style="text-align: center;">301</td> <td style="text-align: center;">302</td> </tr> <tr> <td>3rd Operation</td> <td style="text-align: center;">302</td> <td style="text-align: center;">300</td> </tr> </table> <p>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.</p>							<u>Station number (A)</u>	<u>Station number (B)</u>	1st Operation	300	301	2nd Operation	301	302	3rd Operation	302	300
	<u>Station number (A)</u>	<u>Station number (B)</u>															
1st Operation	300	301															
2nd Operation	301	302															
3rd Operation	302	300															
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	<p>By entering a station number as the first data, the station numbers included in the group are displayed by pressing the DE key.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><u>OPERATION</u></td> <td style="text-align: center;"><u>DISPLAY</u></td> </tr> <tr> <td>1st</td> <td style="text-align: center;">STN A+ DE</td> <td style="text-align: center;">STN A: STN B</td> </tr> <tr> <td>2nd</td> <td style="text-align: center;">+ DE</td> <td style="text-align: center;">STN B: STN C</td> </tr> <tr> <td>3rd</td> <td style="text-align: center;">+ DE</td> <td style="text-align: center;">STN C: END</td> </tr> </table>					<u>OPERATION</u>	<u>DISPLAY</u>	1st	STN A+ DE	STN A: STN B	2nd	+ DE	STN B: STN C	3rd	+ DE	STN C: END
	<u>OPERATION</u>	<u>DISPLAY</u>															
1st	STN A+ DE	STN A: STN B															
2nd	+ DE	STN B: STN C															
3rd	+ DE	STN C: END															

Continued on next page

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

◀: Initial Data

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: ACD/UCD GROUP
17	

FUNCTION:

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

PRECAUTION:

- (1) A maximum of 16 ACD/UCD groups can be assigned per system.
- (2) A maximum number of 60 stations can be assigned to a ACD/UCD group.
- (3) Prior to changing or deleting the station number within a ACD/UCD group, in CM17 Y=0, it is necessary to change the data for CM17 Y=1-7 to the initial data.

ASSIGNMENT PROCEDURE:

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

DATA TABLE:

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Station numbers to be included in ACD/UCD group	X ? XXXXXXXX	Station number (A)	X ? XXXXXXXX NONE◀	Station number (B) No data	

NOTE 1: Station numbers should be individually assigned to an ACD/UCD group, as shown below.

	<u>STATION No. (A)</u>	<u>STATION No. (B)</u>
<i>1st operation</i>	<i>STN 1</i>	<i>STN 2</i>
<i>2nd operation</i>	<i>STN 2</i>	<i>STN 3</i>
<i>Last operation</i>	<i>STN n</i>	<i>STN 1</i>

(STN 1-STN n: Station numbers included in a ACD/UCD group)

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

◀: Initial Data

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		
	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)	CM41 Y=0 CM49 Y=00-10 CM17 Y=2	
2	ACD/UCD Group number	X ? XXXXXXXX	Pilot and Member station numbers	00 ? 15 NONE◀	ACD/UCD group 00 ? ACD/UCD group 15 No data	CM44>14XX CM90 Y=00: F1280-F1295	
3	Display of station numbers included in ACD/UCD group	After entering number (A), other station numbers included in the same ACD/UCD group are displayed one after another. Example: <u> OPERATION </u> Station Number (A): + DE + DE <u> DISPLAY </u> Station Number (A): Station Number (B) Station Number (B): Station Number (C)					
4	ACD/UCD service for internal call	X ? XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	Not provided To provide		
5	ACD/UCD service for C.O./DID incoming call			0 1◀	Not provided To provide		
6	ACD/UCD service for Tie Line incoming call			0 1◀	Not provided To provide		
7	ACD/UCD service for DID/Automated Attendant			0 1◀	Not provided To provide		

Continued on next page

COMMAND CODE	TITLE:
17	ACD/UCD GROUP

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
A	ACD/UCD Delay Announcement Service	X ? XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	To send periodically To send only once	CM49 Y=00 CM41 Y=0>47
B	Designation of number of queuing in each ACD/UCD group			0 1◀	To provide Not provided (No limitation)	CM42>16

COMMAND CODE 18	TITLE: 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: <ul style="list-style-type: none"> (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: $\boxed{\text{ST}} + 18\text{Y} + \boxed{\text{DE}} + \begin{array}{c} \text{STATION NUMBER (A)} \\ \text{(1-8 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA} \\ \text{(1-8 digits)} \end{array} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

DATA TABLE:

(1) Station Hunting-Terminal

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA										
No.	MEANING	DATA	MEANING	DATA	MEANING									
0	Station numbers included in Station Hunting group	X ? XXXXXXXX	Station number (A)	X ? XXXXXXXX NONE◀	Station number (B) No data									
<p>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).</p> <p>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 two operations:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><u>Station No. (A)</u></td> <td style="text-align: center;"><u>Station No. (B)</u></td> </tr> <tr> <td>1st Operation</td> <td style="text-align: center;">300</td> <td style="text-align: center;">301</td> </tr> <tr> <td>2nd Operation</td> <td style="text-align: center;">301</td> <td style="text-align: center;">302</td> </tr> </table> <p>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.</p>							<u>Station No. (A)</u>	<u>Station No. (B)</u>	1st Operation	300	301	2nd Operation	301	302
	<u>Station No. (A)</u>	<u>Station No. (B)</u>												
1st Operation	300	301												
2nd Operation	301	302												
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									

Continued on next page

COMMAND CODE		TITLE:			
18		STATION HUNTING GROUP			
◀: Initial Data					
Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary station	X	Secretary station number	00	Secretary station serial numbers
	Secretary station should be Pilot station.	?		?		30
	Operation:	XXXXXXXX		31 ◀	Not assigned
	<p>Call terminated (Pilot station)</p>	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.			
<p>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".</p>					
3	Display of station numbers included in Station Hunting group	If station numbers are entered as the first data, the station numbers included in a Station Hunting group are displayed one after another by depressing the [DE] key.			
	Example:				
	Operation	Display			
	Station No. A + [DE]	Station No. A: Station No. B			
	+ [DE]	Station No. B: Station No. C			

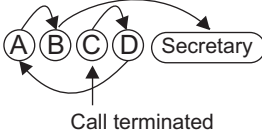
COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

(2) Station Hunting-Circular

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA													
No.	MEANING	DATA	MEANING	DATA	MEANING												
0	Station numbers included in Station Hunting group	X ? XXXXXXXX	Station number (A)	X ? XXXXXXXX NONE◀	Station number (B) No data												
<p>Example: When you define a Station Hunting-Circular group which consists of station numbers 310-312, the following three operations are required:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Station No. (A)</u></th> <th style="text-align: center;"><u>Station No. (B)</u></th> </tr> </thead> <tbody> <tr> <td>1st Operation</td> <td style="text-align: center;">310</td> <td style="text-align: center;">311</td> </tr> <tr> <td>2nd Operation</td> <td style="text-align: center;">311</td> <td style="text-align: center;">312</td> </tr> <tr> <td>3rd Operation</td> <td style="text-align: center;">312</td> <td style="text-align: center;">310</td> </tr> </tbody> </table> <p>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).</p>							<u>Station No. (A)</u>	<u>Station No. (B)</u>	1st Operation	310	311	2nd Operation	311	312	3rd Operation	312	310
	<u>Station No. (A)</u>	<u>Station No. (B)</u>															
1st Operation	310	311															
2nd Operation	311	312															
3rd Operation	312	310															
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									
◀: Initial Data											
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						
		<p>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.</p>									
<p>NOTE: <i>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".</i></p>											
3	Display of station numbers included in Station Hunting group	<p>If station numbers are entered as the first data, the station numbers included in a Station Hunting group are displayed one after another by depressing the DE key.</p> <p>Example:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;">Operation</td> <td style="text-align: center; border-bottom: 1px solid black;">Display</td> </tr> <tr> <td style="text-align: center;">Station No. A + DE</td> <td style="text-align: center;">Station No. A: Station No. B</td> </tr> <tr> <td style="text-align: center;">+ DE</td> <td style="text-align: center;">Station No. B: Station No. C</td> </tr> </table>				Operation	Display	Station No. A + DE	Station No. A: Station No. B	+ DE	Station No. B: Station No. C
Operation	Display										
Station No. A + DE	Station No. A: Station No. B										
+ DE	Station No. B: Station No. C										

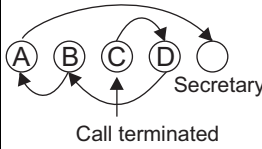
COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

(3) Station Hunting-Secretarial

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA																
No.	MEANING	DATA	MEANING	DATA	MEANING															
0	Station numbers included in Station Hunting group	X ? XXXXXXXX	Station number (A)	X ? XXXXXXXX NONE◀	Station number (B) No data															
<p>Example: When you define Station Hunting-Secretarial group which consists of station numbers 320-323, the following four operations are required:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Station No. (A)</u></th> <th style="text-align: center;"><u>Station No. (B)</u></th> </tr> </thead> <tbody> <tr> <td>1st Operation</td> <td style="text-align: center;">320</td> <td style="text-align: center;">321</td> </tr> <tr> <td>2nd Operation</td> <td style="text-align: center;">321</td> <td style="text-align: center;">322</td> </tr> <tr> <td>3rd Operation</td> <td style="text-align: center;">322</td> <td style="text-align: center;">323</td> </tr> <tr> <td>4th Operation</td> <td style="text-align: center;">323</td> <td style="text-align: center;">320</td> </tr> </tbody> </table> <p>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.</p>							<u>Station No. (A)</u>	<u>Station No. (B)</u>	1st Operation	320	321	2nd Operation	321	322	3rd Operation	322	323	4th Operation	323	320
	<u>Station No. (A)</u>	<u>Station No. (B)</u>																		
1st Operation	320	321																		
2nd Operation	321	322																		
3rd Operation	322	323																		
4th Operation	323	320																		
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									
◀: Initial Data											
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						
		<p>The correspondence between Serial numbers and Secretary station numbers is set by CM19.</p> <p>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.</p>									
<p>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".</p>											
3	Display of station numbers included in Station Hunting group	<p>If station numbers are entered as the first data, the station numbers included in a Station Hunting group are displayed one after another by depressing the DE key.</p> <p>Example:</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Operation</td> <td style="text-align: center;">Display</td> </tr> <tr> <td style="text-align: center;">Station No. A + DE</td> <td style="text-align: center;">Station No. A: Station No. B</td> </tr> <tr> <td style="text-align: center;">+ DE</td> <td style="text-align: center;">Station No. B: Station No. C</td> </tr> </table>				Operation	Display	Station No. A + DE	Station No. A: Station No. B	+ DE	Station No. B: Station No. C
Operation	Display										
Station No. A + DE	Station No. A: Station No. B										
+ DE	Station No. B: Station No. C										

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:													
$\boxed{\text{ST}} + 19\text{Y} + \boxed{\text{DE}} + \begin{matrix} \text{SECRETARY STATION} \\ \text{SERIAL NUMBER} \\ \text{(00-30)} \end{matrix} / \begin{matrix} \text{GROUP DIVERSION} \\ \text{GROUP (00-30)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(1-8 digits)} \end{matrix}$ $+ \boxed{\text{EXE}}$													
DATA TABLE:													
◀: Initial Data													
Y		SECRETARY STATION SERIAL NUMBER	SETTING DATA										
No.	MEANING		DATA	MEANING									
0	Setting of Secretary station number	00 ? 30 ☞ See CM18 Y=2	X ? XXXXXXXXX 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									
<p>NOTE: <i>The Secretary Station serial number should be assigned individually in the order of the desired secretary hunting, as shown below.</i></p> <table style="width:100%; border:none;"> <tr> <td style="width:30%;"></td> <td style="width:35%; text-align:center;"><u>Secretary Station Serial No. (A)</u></td> <td style="width:35%; text-align:center;"><u>Secretary Station Serial No. (B)</u></td> </tr> <tr> <td style="text-align:center;"><i>1st operation</i></td> <td style="text-align:center;"><i>Secretary 0</i></td> <td style="text-align:center;"><i>Secretary 1</i></td> </tr> <tr> <td style="text-align:center;"><i>2nd operation</i></td> <td style="text-align:center;"><i>Secretary 1</i></td> <td style="text-align:center;"><i>Secretary 2</i></td> </tr> </table>						<u>Secretary Station Serial No. (A)</u>	<u>Secretary Station Serial No. (B)</u>	<i>1st operation</i>	<i>Secretary 0</i>	<i>Secretary 1</i>	<i>2nd operation</i>	<i>Secretary 1</i>	<i>Secretary 2</i>
	<u>Secretary Station Serial No. (A)</u>	<u>Secretary Station Serial No. (B)</u>											
<i>1st operation</i>	<i>Secretary 0</i>	<i>Secretary 1</i>											
<i>2nd operation</i>	<i>Secretary 1</i>	<i>Secretary 2</i>											
Continued on next page													

COMMAND CODE	TITLE:
19	SECRETARY/GROUP DIVERSION STATION NUMBER

◀: Initial Data

Y		SECRETARY STATION SERIAL NUMBER	SETTING DATA	
No.	MEANING		DATA	MEANING
6	Transferred station of Call Forwarding-Don't Answer (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" (ATTCON) is not provided. No data

COMMAND CODE	TITLE:			
1B	ISDN TERMINAL MULTIPOINT STATION NUMBER			
FUNCTION:				
This command is used for an ISDN Terminal Multipoint station number.				
PRECAUTION:				
None				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}}$ + 1B + $\boxed{\text{DE}}$ + ISDN LINE STATION No. + $\boxed{\text{,}}$ + ISDN MULTIPOINT No. + $\boxed{\text{DE}}$ + DATA (1-8 digits) + $\boxed{\text{EXE}}$ (1-8 digits) (0-7)				
DATA TABLE:				
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XXXXXXXXX $\boxed{\text{,}}$ Z	XXXXXXXXX: ISDN Line Station No. (EFXXXXXXXX assigned by CM10/CM14) Z: ISDN Multipoint No. (0-7)	X ? XXXXXXXX	ISDN Terminal Multipoint Station No. X: 0-9, A (*), B (#)	CM10/CM14 CMAC Y=01

COMMAND CODE		TITLE:		
1C		PS STATION/WLAN STATION NUMBER		
FUNCTION:				
This command is used to assign the PS station/WLAN station numbers for providing the Wireless Communication System.				
PRECAUTION:				
None				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + 1\text{C} + \boxed{\text{DE}} + \text{VIRTUAL PS LEN/} \\ \text{VIRTUAL LEN FOR WLAN STATION} + \boxed{\text{DE}} + \text{PS STATION No./} \\ \text{WLAN STATION No.} + \boxed{\text{EXE}}$ <p style="text-align: center;">(3 digits) (1-8 digits)</p>				
DATA TABLE:				
				◀: Initial Data
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
000-511	Virtual PS LEN/Virtual LEN for WLAN Station	X ? XXXXXXXXX CCC NONE◀	PS Station No./WLAN Station No. X: 0-9, A (*), B (#) Clear No data	CM1D CM5A

COMMAND CODE	TITLE:
1C	PS STATION NUMBER

NOTE 1: Range of Virtual PS LEN is as follows.

	Software version	Range of Virtual PS LEN					
		Existing CSH		New CSH		Virtual CSH	
		Home PS	Visitor PS	Home PS	Visitor PS	Home PS	Visitor PS
IPS ^{DMR} / IPS ^{DM}	Series 3300 software or before	000-063	/	000-063	/	000-063	/
	Series 3400 software or later	000-063	384-447	000-063	384-447	000-063	384-447
2000 IPS	Series 3300 software or before	000-255	/	000-255	/	000-255	/
	Series 3400 software or later	000-255	384-447	000-511*	000-511*	000-511*	000-511*

Existing CSH: SPN-SC03B 8CSH-A (AP)
 New CSH : SPN-SC03B 8CSH-C (AP)/
 SPN-SC03C 8CSH (AP)

*: Up to 512 PSs including home PSs and visitor PSs are usable.

NOTE 2: All existing CSH cards in a system should be SPN-SC03B 8CSH-C (AP)/SPN-SC03C 8CSH (AP) when accommodating 257 or more PSs.

NOTE 3: SPN-AP00B DBM-C (AP) is required when providing a roaming service in a system accommodated 257 or more PSs.

NOTE 4: Assign 2nd data of CM13 Y=39 to 0 before Virtual PS LEN assignment by CM1C when programming Visitor PS data for Roaming PS.

NOTE 5: Maximum 5-digit is available for the PS station number of Roaming PS.

NOTE 6: By CM1C setting, Virtual Trunk No. is determined as follows;

Virtual Trunk No. = Virtual PS LEN plus 256

Example: Virtual PS LEN : 000 (CM1C>000)

Virtual Trunk No.: 256 (CM5A Y=00>256)

COMMAND CODE	TITLE:
1D	PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD/ WLAN STATION DATA ASSIGNMENT

FUNCTION:

This command is used to assign the PS-ID, to download the PS operation data and WLAN station data.

PRECAUTION:

- (1) When a PS is set up initially, set the PS in Data Download Mode by applying power to the PS while pressing the SEND key, and then execute the CM1D Y=20 in Calling Area No. 00.
- (2) It takes 10 seconds to load the PS operation data to the PS.
- (3) The following items display on the MAT.

<u>STATUS</u>	<u>DISPLAY</u>
Loading succeeded	OK
PS is busy	WAIT BUSY NOW
PS is out of area	WD ERROR
Lack of PS data	DATA ERROR

ASSIGNMENT PROCEDURE:

[ST] + 1DYY + [DE] + PS/WLAN STATION No. (1-8 digits) + [DE] + SETTING DATA (1-9 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y		PS STATION No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
01	Subline PS number to each Primary PS station	X-XXXXXXXX (Primary PS Station No.)	X-XXXXXXXX NONE◀	Subline PS Station No. X: 0-9, A (*), B (#) No data	CM1C
14	Terminal type of PS [For PHS]	X-XXXXXXXX (Primary/Subline PS Station No.)	0 1◀	PHS Not used	CM1C
	Terminal type of WLAN Station [Series 3600]	X-XXXXXXXX (WLAN Station No.)	0 1◀	PHS Not used	CM1C

Continued on next page

COMMAND CODE		TITLE:			
1D		PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD/ WLAN STATION DATA ASSIGNMENT			
					◀: Initial Data
Y		PS STATION No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
15	Terminal type of PS [For PCS] NOTE 1: <i>Set this data also to Subline PS station number, if provided.</i>	X-XXXXXXXX (Primary/Subline PS Station No.)	00◀	D ^{term} PS II Type with PS software version 7.02 or later NOTE 2	CM1C
			15	D ^{term} PS II Type with PS software version under 7.02/Former D ^{term} PS Type NOTE 2	
	Terminal type of WLAN Station [Series 3600]	X-XXXXXXXX (WLAN Station No.)	00◀ 04	Not used WLAN Station	CM1C
16	Primary/Subline [For PHS]	X-XXXXXXXX (Primary/Subline PS Station No.)	0 1◀	Subline PS Primary PS	CM1C
20	PS Operation Data Download [For PCS]	X-XXXXXXXX (Primary PS Station No.)	0◀ 1	No data Execute	CM1C
21	PS-ID [For PCS]		XX...XX NONE◀	PS-ID (Maximum 9 digits, Decimal) No data	
22	PS Location Search with no ringing [Series 3800] NOTE 3	X-XXXXXXXX (Primary PS Station No.)	0 1◀	To provide when PS is idle Not provided when PS is idle	CM1C

NOTE 2: PS software version is represented by the lower 3 digits of the PS's issue number which is written on the label in the rear side of PS.

NOTE 3: For D^{term} PS II/D^{term} PS III Type with PS, set the second data to 0. For the other PSs, set the second data to 1.

Continued on next page

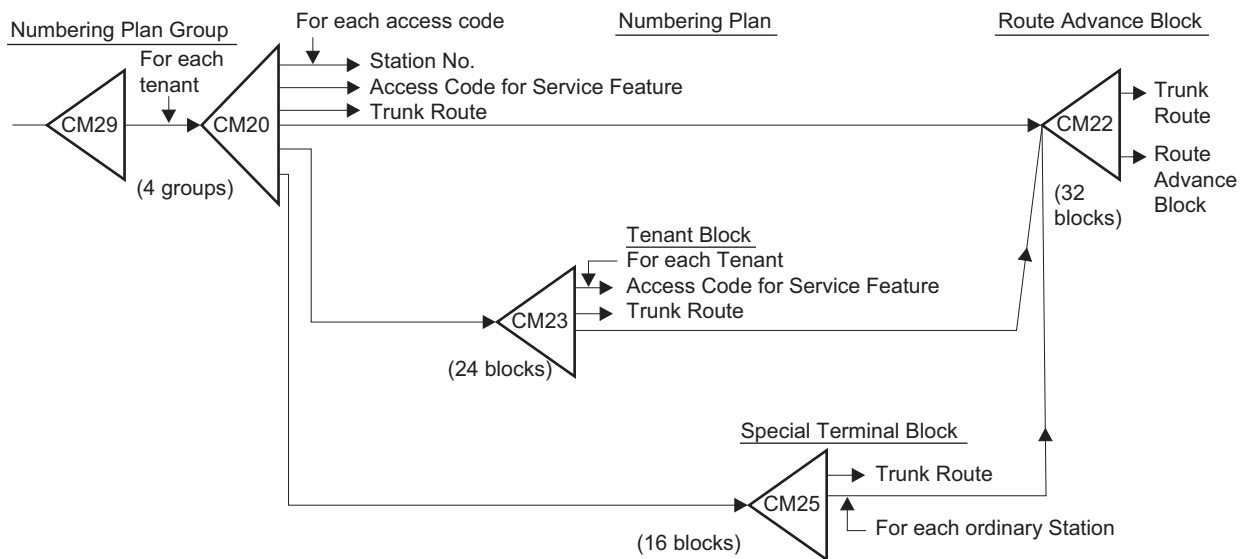
COMMAND CODE		TITLE:			
1D		PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD/ WLAN STATION DATA ASSIGNMENT			
◀: Initial Data					
Y		PS STATION No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
30	Domain name of WLAN Station [Series 3600] NOTE 1	X-XXXXXXXX (WLAN Station No.)	000-063 NONE◀	Domain name number No data	CMBC Y=10-13
32	Whether the digest authentication of WLAN station is allowed [Series 3600] NOTE 1 NOTE 2		02 03 15◀	Allowed Restricted Allowed	CM1C
33	Information of the WLAN station setting has been changed [Series 3600] NOTE 3 NOTE 4		0 1 2 3◀	Carry out the terminal data (CM1D Y=30, 32) change Carry out the password change (CM2B Y=00) Possible to assign (failed to show last time) Possible to assign (succeeded to show last time)	CM1C
<p>NOTE 1: When this command is set/changed while the SIP server is operating, the change notice by CM1D Y=33 second data "0" is required.</p> <p>NOTE 2: To operate the digest authentication, setting user's name and password for WLAN terminal is required. Set the WLAN station number assigned by CM1C for user's name.</p> <p>NOTE 3: While this command is being executed, "WAIT, BUSY NOW" is displayed.</p> <p>NOTE 4: The second data displays "3" when the change notice has succeeded. The second data displays "2" when the change notice has failed. Turn on the WLAN terminal again.</p>					

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

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 D^{term} is as follows.

- You can configure the station number from the D^{term} to which the station number belongs.
- Register the characters from MAT/CAT to SLT, D^{term} without LCD and Trunk.
- The characters are specified by the number of pressing the keys (0-9, *, #).
- Refer to “Character Table” on next page.

Example: To register “A”, press 2 key twice.

By pressing same key 11 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) LNR/SPD (DT receiving)
- (2) Register the access code specified for Name Display (SPDT receiving).
- (3) 5 5 Hold
- (4) 6 6 6 6 Hold
- (5) 4 4 4 Hold
- (6) 6 6 6 Hold
- (7) LNR/SPD

j
o
h
n

Continued on next page

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

Character Table

KEY	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	*	#
6												
7												
8												-
9												!
10												?

ASSIGNMENT PROCEDURE:

ST + 20Y + DE + ACCESS CODE (1-4 digits) + DE + DATA (3/4 digits) + EXE

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

DATA TABLE:

Y=0-3

Y		ACCESS CODE		RELATED COMMAND
No.	MEANING			
0	Numbering Plan Group 0	X	X: 0-9, A (*), B (#)	CM29
1	Numbering Plan Group 1	?		
2	Numbering Plan Group 2	XXXX		
3	Numbering Plan Group 3			

Continued on next page

COMMAND CODE		TITLE:	
20		NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)	
SETTING DATA: A000-A097			
SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A000	Outgoing Trunk Queueing Set		CM15 Y=02
A001	Outgoing Trunk Queueing Cancel		CM35 Y=28
A002	Call Back Set		CM15 Y=03
A003	Call Back Cancel		
A004	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Set [For EU]	When Outgoing Trunk Queueing, Call Back and Completion of Calls to Busy Subscriber (CCBS) share the same access code.	CM15 Y=02, 03, 25, 157, 158 CM35 Y=28, 44
A005	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Cancel [For EU]		
A006	Executive Right of Way (Executive Override)		CM15 Y=05-09
A007	Camp-On by Station (Transfer method)		CM15 Y=16
A008	Call Park-System Set	For Single Line Station/D ^{term} / Attendant Console	CM15 Y=96
A009	Call Park-System Retrieve		
A010	Call Forwarding-All Calls Set		CM15 Y=00, 26
A011	Call Forwarding-All Calls Cancel		
A012	Call Forwarding-Don't Answer (No Answer)/ Busy Line Set	CM20 A012, A013 are used when Call Forwarding-Don't Answer (No Answer) and Busy Line share the same access code. For the different access code, set CM20 A014-A017.	CM15 Y=10, 11, 28, 45
A013	Call Forwarding-Don't Answer (No Answer)/ Busy Line Cancel		
A014	Call Forwarding-Busy Line Set		CM15 Y=11
A015	Call Forwarding-Busy Line Cancel		CM15 Y=11
A016	Call Forwarding-Don't Answer (No Answer) Set		CM15 Y=10
A017	Call Forwarding-Don't Answer (No Answer) Cancel		

Continued on next page

COMMAND CODE		TITLE:	
20		NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)	
SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A018	Call Forwarding-I'm here (Destination) Set		CM15 Y=15
A019	Call Forwarding-I'm here (Destination) Cancel		
A020	Call Pickup-Group		CM16
A021	Call Pickup-Direct		CM15 Y=14
A022	Do Not Disturb Set	From station	CM15 Y=19
A023	Do Not Disturb/Return Message Schedule Cancel		
A024	Wake Up Call/Timed Reminder Set		CM15 Y=13
A025	Wake Up Call/Timed Reminder Cancel		
A027	Wake Up Call Set from Predetermined Station (Single Wake Up time operation)		CM15 Y=20
A028	Wake Up Call Set from Predetermined Station (Multiple Wake Up time operation)		CM15 Y=21
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=14 CM16

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

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A039	BGM on D ^{term} Set/Reset		CM15 Y=32 CM48
A040	MW Lamp Control Set		CM15 Y=24, 40 CM90
A041	MW Lamp Control Reset		
A042	Choice of Night Service from Attendant		CM30 Y=02, 03
A043	Day Night Mode Change by Station Dialing		CM15 Y=60 CM08>244, 245
A044	ACD/UCD Station Busy Out Set		
A045	ACD/UCD Station Busy Out Reset		
A046	Call Hold		CM15 Y=01
A047	TAS Answer A		CM15 Y=53 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/D ^{term}	
A064	Speed Calling-Station (Station Speed Dialing) Origination		CM73, 74 CM15 Y=07
A065	Speed Calling-Station (Station Speed Dialing) Entry		
A066	Speed Calling-Station (Station Speed Dialing) Cancel		CM73, 74 CM15 Y=07
A067	Speed Calling-System (System Speed Dialing) Origination	For 300 memories Maximum of 26 digits	CM71, 72 CM15 Y=06

Continued on next page

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

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A068	Speed Calling-System (System Speed Dialing) Origination	For 1000 memories (1000-Slot Memory Block No. 2) Maximum of 26 digits	CM08>176: 0
A069	Last Number Call (Last Number Redial)		CM08>177, 178
A070	Paging Answer Zone 0		CM30 Y=28 CM44 CM15 Y=08 CM08>157, 743
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=55
A084	OAI Terminal Mode Set Facility (MSF)		
A085	Account Code		CM15 Y=30 CM42>10
A086	Authorization Code		CM08>216 CM15 Y=31 CM42>11
A087	Forced Account Code		CM08>216 CM15 Y=31 CM42>12, CM2A

Continued on next page

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

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A088	Priority Call 0	These calls are routed to the operator.	CM46/CM90 CM15 Y=17, 18 CM08>250, 251
A089	Priority Call 1		
A090	Special Operator Call 0		CM46 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		CM06 CM10/ CM14>E00X CM46/CM90
A097	Direct Data Entry		CM90 CMD001 >252, 253 CMD016>XX24


Continued on next page

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

SETTING DATA: 800-828

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
800	Operator Call		CM46
801	1 digit Station		CM90
802	2 digits Station		
803	3 digits Station		
804	4 digits Station		
805	5 digits Station	When the following features are used with AP00, do not assign 5 or more digits station number. • SMDR/PMS/CIS • Front Desk Terminal	
806	6 digits Station		
807	7 digits Station		
808	8 digits Station		
811	1 digit Network Station		CM8A Y=A000>3
812	2 digits Network Station		
813	3 digits Network Station		
814	4 digits Network Station		
815	5 digits Network Station		
816	6 digits Network Station		
817	7 digits Network Station		
818	8 digits Network 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		

Continued on next page

COMMAND CODE		TITLE:	
20		NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)	
SETTING DATA: A100-A199			
SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A100	Digital Announcement Trunk Access Record		CM10/CM14 CM15 Y=33
A101	Digital Announcement Trunk Access Replay		
A102	Digital Announcement Trunk Access Delete		
A103	Announcement Service Record		CM10/CM14 CM15 Y=34-39 CM49 Y=0 CM35 Y=69-73
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 D ^{term} , Attendant Console  See PRECAUTION (3)	CM08>255
A113	Voice Message Waiting Service-System (Setting of station numbers to be sent)		CM13 Y=03 CM15 Y=41, 42 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=43, 44

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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=49 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	Paging Access	CM56 Y=00-07 CM15 Y=49 CM90
A137	Internal Zone Paging Group 7		
A138	Internal Zone Paging Group 0	Meet-me Answer	
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		

Continued on next page

COMMAND CODE		TITLE:	
20		NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)	
SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A146	Message Waiting/Message Reminder Search		CM15 Y=47, 48 CM13>03 CM90
A147	Message Waiting/Message Reminder Retrieve		
A148	Message Reminder Set		
A149	Message Reminder Cancel		
A150	Speed Calling-System (System Speed Dialing) Origination	For 1000 memories (1000-Slot Memory Block No. 3)	CM08>110: 0 CM74
A151	Speed Calling-System (System Speed Dialing) Origination	For 1000 memories (1000-Slot Memory Block No. 1)	CM08>111: 0 CM74
A152	Speed Calling-System (System Speed Dialing) Origination	For 1000 memories (1000-Slot Memory Block No. 0)	CM08>112: 0 CM74
A154	Return Message Schedule Set	Cancel Code: Set data A023.	CM15 Y=19
A155	Day/Night Mode change, Attendant Lockout from ATTCON	For ATTCON without MODE key	CM90
A156	Attendant Programming for Remote Access to System (DISA), Speed Calling-System (System Speed Dialing), Date/Time Change and Tone Ringer Change from ATTCON/DESKCON	For ATTCON/DESKCON without PROG key	
A157	FLF Authorization Code Recognition [Series 3300]		
A158	Sending of Hooking Signal to C.O. line/Centrex from PB telephone		
A159	6-Party Conference Trunk Access		CM10/CM14
A160	10-Party Conference Trunk Access		
A161	6/10-Party Conference Trunk Control (To set up a conference)		
A162	6/10-Party Conference Trunk Control (To release designated party from a conference)		
A163	Voice Call/Ring Tone Programming	For D ^{term}	
A164	All Zone Internal Paging	For calling	CM08>158

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

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A165	Voice Message Waiting Service-Individual All Clear when the called station does not answer		
A170	Malicious Call Trace [Australia Only] [Series 3500]		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/-Don't Answer (-No Answer) Set		
A183	Split Call Forwarding-Busy Line/-Don't Answer (-No Answer) Cancel		
A188	Whisper Page		
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		

Continued on next page

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

SETTING DATA: A200-A258

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A200 ∩ A207	Simultaneous Paging Group 0 for 6/10 party ∩ Simultaneous Paging Group 7 for 6/10 party		CM15 Y=119 CM56 CM90
A210 ∩ A217	Re-participation Group 0 for 6/10 party ∩ Re-participation Group 7 for 6/10 party		
A220 ∩ A227	Simultaneous Paging Group 0 for Group Call-2Way Calling ∩ Simultaneous Paging Group 7 for Group Call-2Way Calling		CM15 Y=119 CM56 CM90
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	D ^{term} IP Logout		CM15 Y=143 CM90 Y=00: F0B39
A241	Call Forwarding-Logout/ Call Forwarding-PS/WLAN Terminal Out of Cell (Zone) Set [Series 3100]		
A242	Call Forwarding-Logout/ Call Forwarding-PS/WLAN Terminal Out of Cell (Zone) Cancel [Series 3100]		

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

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A243	Speed Calling-System (System Speed Dialing) origination (4 digits/1-8 digits abbreviated Code: depends on CM42>77) [Series 3300]		
A254	Restriction of additional participants to conference Set [Series 3500]		
A255	Restriction of additional participants to conference Cancel [Series 3500]		
A256	Mobility Access Mode Set [Series 3700 R12.1]		CM90 Y=00: F0B56
A257	Mobility Access Mode Cancel [Series 3700 R12.1]		CM90 Y=00: F0B56
A258	PS Location Search [Series 3800]		CM90 Y=00: F0B58

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

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

DATA TABLE:

Y=4, 5

◀: Initial Data

Y		ACCESS CODE		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
4	Single Digit Feature Access Code for BT connection [Series 3600]	X	X: 0-9, A (*), B (#)	2	Call Back/Trunk Queuing-Outgoing	CM08>570
				3	Executive Override	
				4	Camp On	
				5	Call Waiting	
				6	Message Reminder Set	
				7	Step Call	
				8	Message Waiting Record	
				9	Voice Mail Transfer	
				NONE◀	Single Digit Feature Access Code is not available	
				5	Single Digit Feature Access Code for RBT connection [Series 3600]		X	X: 0-9, A (*), B (#)	1	Internal Tone/Voice Signaling (Voice Call-D^{term}/Attendant)	CM08>570
2	Call Back/Trunk Queuing-Outgoing					
6	Message Reminder Set					
8	Message Waiting Record					
9	Voice Mail Transfer					
NONE◀	Single Digit Feature Access Code is not available					

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

COMMAND CODE	TITLE: ROUTE ADVANCE
22	

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 + $\begin{matrix} \text{PRIORITY} \\ \text{ORDER} \\ (1 \text{ digit}) \end{matrix}$ + DE + $\begin{matrix} \text{DATA} \\ (3 \text{ digits}) \end{matrix}$ + EXE

DATA TABLE:

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	200	Route Advance Block 00
			NOTE	}	}
				231	Route Advance Block 31

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 service features 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 + DE + DATA (3/4 digits) + EXE
 (2 digits)

DATA TABLE:

Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
00	Tenant Block 00	00	Tenant 00	A000	} Service Features (Refer to CM20)	CM20
?	?	?	?	?		
23	Tenant Block 23	63	Tenant 63	A099		
				800		
				?		
				818		
				A100		
				?		
				A199		
				100	Trunk Route 00	CM30
				?	?	
				163	Trunk Route 63	
				200	Route Advance Block 00	CM22
				?	?	
				231	Route Advance Block 31	

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 + $\begin{matrix} \text{KIND OF} \\ \text{SPECIAL} \\ \text{TERMINAL} \\ \text{(1 digit)} \end{matrix}$ + DE + $\begin{matrix} \text{DATA} \\ \text{(3 digits)} \end{matrix}$ + EXE

DATA TABLE:

Y		KIND OF SPECIAL TERMINAL		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
00 ?	Kind of Special Terminal Block 00 ?	0	Ordinary station	100	Trunk Route 00	CM30
		1	FAX station	?	?	
		163	 See CM13 Y=07	163	Trunk Route 63	
15	Kind of Special Terminal Block 15	2	Speech/3.1 kHz audio	200	Route Advance Block 00	CM22
		3	Unrestricted digital information	?	?	
		4	Attendant Console	231	Route Advance Block 31	

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:

$$\boxed{\text{ST}} + 29 + \boxed{\text{DE}} + \begin{matrix} \text{TENANT} \\ \text{NUMBER} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(3 digits)} \end{matrix} + \boxed{\text{EXE}}$$

DATA TABLE:

TENANT NUMBER		SETTING DATA		RELATED COMMAND	REMARKS
00	Tenant 00	710	Numbering Plan Group 0	CM20 Y=0	
?	?	711	Numbering Plan Group 1	CM20 Y=1	
63	Tenant 63	712	Numbering Plan Group 2	CM20 Y=2	
		713	Numbering Plan Group 3	CM20 Y=3	

COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

FUNCTION:

This command assigns ID codes used for the Authorization Code/Forced Account Code/Remote Access to System (DISA) features without using an AP card.

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:

◀: Initial Data

Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	ID Code Development number 00-09 NOTE: CM2A Y=00-09 is determined by CM2A Y=A0 2nd data 0-9.	X-X..XXX (Maximum 16 digits)	ID Code for Authorization Code/Forced Account Code/Remote Access to System (DISA)	0000	ID Code Pattern number	
01				?		
02				2999		
03				NONE◀		No data
04						
05						
06						
07						
08						
09						

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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	Purpose of ID Code	0000-2999	ID Code Pattern number	0	Validate the ID code entered from stations; Authorization Code, Forced Account Code, and from trunks; Remote Access to System (DISA)
				1	Validate the ID code entered from stations; Authorization Code, Forced Account Code
				2	Validate the ID code entered from trunks; Remote Access to System (DISA)
				3◀	Invalidate the ID code entered from stations and trunks
11	Trunk Restriction Class for ID Code Pattern number			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)
12	Service Restriction Class A for ID Code Pattern number			00	Service Restriction Class A
				15◀	NOTE: Available features in each class are assigned by CM15.

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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
13	Service Restriction Class B for ID Code Pattern number	0000-2999	ID Code Pattern number	00 ? 15◀	Service Restriction Class B 00-15 NOTE: Available features in each class are assigned by CM15.
14	Service Restriction Class C for ID Code Pattern number			00 ? 15◀	Service Restriction Class C 00-15 NOTE: Available features in each class are assigned by CM15.
15	Calling party number is used as the ID Code for Remote Access to System (DISA)			0 1◀	Available Not available
16	Setting station of Manual Call Forwarding set by DISA			X- XXXXXXXXX NONE◀	Station No. All stations

Continued on next page

COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
50	Development Block number for calling party number (Development Pattern 0 assigned by CM76 Y=26/CM35 Y=174)	X-X...XXX (Maximum 16 digits)	Calling Party number	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)				

Continued on next page

COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
A0	ID Code Development number NOTE: <i>CM2A Y=00-09 is determined by this data.</i>	0	Authorization Code	0-9	ID Code Development Number 00-09 No data
		1	Forced Account Code	NONE ◀	
		2	Remote Access to System (DISA) Code		
		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	STATION AUTHORIZATION CODE/D^{term}IP PASSWORD ASSIGNMENT/ WLAN STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT

FUNCTION:

This command is used to set up the Authorization Code per station for PAD Lock feature without using AP00 card. Also used to set up the password sent to the IP network for the ID registration of the D^{term}IP and WLAN station digest authentication.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

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

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Station Authorization Code Set/ Display	X ? XXXXXXXXX (Maximum 8 digits)	Station number	X ? XXXXXXXXX (Maximum 8 digits) CCC	Authorization Code X: 0-9, A (*), B (#) Clear	
	D ^{term} IP registration password for Protected Login Mode			X ? XXXXXXXXX (Maximum 8 digits) NONE◀	Password X: 0-9, A (*), B (#) No data	CM08>513 CM15 Y=480
	WLAN station digest authentication password			X ? XXXXXXXXX (Maximum 8 digits) NONE◀	Password X: 0-9, A (*), B (#) No data	

NOTE 1: When the initial data is set to "NONE", the password is set to "0000".

NOTE 2: After assign this command while SIP server is operating, be sure to report changing the SIP server assigned by CMID Y=33 second data "1".

Continued on next page

COMMAND CODE		TITLE:				
2B		STATION AUTHORIZATION CODE/D ^{term} IP PASSWORD ASSIGNMENT/ WLAN STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Trunk Restriction Class	X ? XXXXXXXXX (Maximum 8 digits)	Station number	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=31 CM42>73 CM20>A230 CM2B Y=02
02	Service Restriction Class A			00 ? 15◀	Service Restriction Class A (00-15) NOTE: <i>The features available in each class are programmed in CM15.</i>	CM2B Y=01 CM15
03	Service Restriction Class B			00 ? 15◀	Service Restriction Class B (00-15) NOTE: <i>The features available in each class are programmed in CM15.</i>	CM15
04	Service Restriction Class C			00 ? 15◀	Service Restriction Class C (00-15) NOTE: <i>The features available in each class are programmed in CM15.</i>	CM15
10	D ^{term} IP registration password for Automatic Login Mode [Series 3100]	00	Password for initial setup	X ? XXXXXXXXX (Maximum 8 digits) NONE◀	Password X: 0-9, A (*), B (#) No data	CM08>513 CM15 Y=480

COMMAND CODE	TITLE: TRUNK DATA
30	

FUNCTION:

This command is used to assign characteristics to trunk lines which have been defined with CM10/CM14, and Virtual IP trunk (Virtual IPT) lines which have been defined with CM14.

PRECAUTION:

Do not assign Trunk number 255 for CCIS/IP.

ASSIGNMENT PROCEDURE:

ST + 30YY + DE + TRUNK NUMBER (000-255) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk route allocation	00	Trunk route number 00	CM35 CM14
		?	? ?	
		63	Trunk route number 63	
		NONE◀	No data	
01	Allocation of tenants to trunks	00	Tenant number 00	CM63 Y=0, 2 CM49 Y=01-07 CM51, CM65
		01◀	? ?	
		?		
		63	Tenant number 63	

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02	Terminating system in Day Mode for incoming C.O. calls NOTE 1: <i>When data 02, 03, 11 or 12 is assigned, set CM30 Y=18 to 0.</i> NOTE 2: <i>For DID's and Tie Lines, set CM30 Y=02 and CM30 Y=03 to 31.</i>	02	Trunk Line (Direct) Appearance	CM30 Y=18
		03	Trunk Line (Direct) Appearance + TAS	
		04	Direct-In Termination	CM30 Y=04
		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	
		13	TAS	
		14	Attendant Console	
		16	Remote Access to System (DISA)	
		18	ISDN Indial	
		21	Dial-in for WCS	
		22	Roaming Termination [For PCS]	
31◀	DID, Tie Line and the call which is not handled by the PBX			
03	Terminating system in Night Mode for incoming C.O. calls (See NOTE 1, NOTE 2 on CM30 Y=02)	02	Same as CM30 Y=02	
		?		
		31◀		

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COMMAND CODE	TITLE: TRUNK DATA
30	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04	Direct-In Termination in Day Mode	X ? XXXXXXXX	Station number for Direct-In Termination in Day Mode	CM10/CM14, CM11, CM1A, CM1C
		CXX	Abbreviated code of Speed Calling-System (System Speed Dialing) for DIT-Outside (XX=00-31)	CM71>66 CM35 Y=40
		EBXXX	Digital Announcement Trunk number (XXX=000-127)	CM10/CM14 CM15 Y=33 CM20>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/CM14, CM11, CM1A, CM1C CM08>179
		CXX	Abbreviated code of Speed Calling-System (System Speed Dialing) for DIT-Outside (XX=00-31)	CM71>66 CM35 Y=40
		EBXXX	Digital Announcement Trunk number (XXX=000-127)	CM10/CM14 CM15 Y=33 CM20>A100, A101, A102 CM49 Y=00>03000
		NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE: TRUNK DATA
30	

◀: Initial Data

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	CM07 Y=01
08	Restriction of outgoing connection during Night Mode	0 1◀	Restricted Allow	CM60 CM61

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

Example for 30DTI

<i>TRK No.</i>	<i>D100</i>	<i>Bch</i>	<i>CIC 000</i>
∟	∟	∟	∟
<i>TRK No. D114</i>	<i>Bch</i>	<i>CIC 014</i>	
<i>TRK No. D115</i>	<i>Dch</i>	—	
<i>TRK No. D116</i>	<i>Bch</i>	<i>CIC 015</i>	
∟	∟	∟	∟
<i>TRK No. D130</i>	<i>Bch</i>	<i>CIC 029</i>	

Example for 24DTI

<i>TRK No.</i>	<i>D100</i>	<i>Bch</i>	<i>CIC 000</i>
∟	∟	∟	∟
<i>TRK No. D122</i>	<i>Bch</i>	<i>CIC 022</i>	
<i>TRK No. D123</i>	<i>Dch</i>	—	

Continued on next page

COMMAND CODE		TITLE:		
30		TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
09	Trunk group number NOTE: <i>Paging trunks cannot be assigned to the Trunk Group Busy Lamp.</i>	01	Identification of Trunk Group Busy Lamps on an external display device	CM44>11XX
		62	Identification of Trunk Group Busy Lamps on D ^{term} /ATTCON/DESKCON	CM90 Y=00: F1201-F1262
		NONE◀	No data	
13	Handling of busy/not available Direct-In Termination destination in Day Mode	01	Forward to TAS BUZZER indication	CM44, CM53
		04	Forward to Attendant Console	
		06	Automatic Camp-On	
		15◀	Keep the call ringing (Wait until the station becomes idle)	
14	Handling of busy/not available Direct-In Termination destination in Night Mode	01	Forward to TAS BUZZER indication	CM44, CM53
		04	Forward to Attendant Console	
		06	Automatic Camp-On	
		15◀	Keep the call ringing (Wait until the station becomes idle)	
15	Handling of unanswered calls to Direct-In Termination destination in Day Mode	01	Attendant Console	CM41 Y=0>01
		03	TAS	
		15◀	Keep the call ringing	
16	Handling of unanswered calls to Direct-In Termination destination in Night Mode	01	Attendant Console	CM41 Y=0>01
		03	TAS	
		15◀	Keep the call ringing	
17	Trunk Answer Any Station (TAS) group	00	TAS group number	CM44>13XX CM10/ CM14>E6XX XX: TAS group No. 00-63
		63		
		NONE◀	No data	
18	Trunk Line (Direct) Appearance-D ^{term}	0	To provide	CM30 Y=02, 03
		1◀	Not provided	

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
19	Trunk number	XXXX	Trunk ID code NOTE	
	ISDN subscriber number	XXXX	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>A070 ~ A079 CM44>02XX
			Z: Kind of Paging 0: Speaker Paging, no answer 1: Radio Paging no answer 2: Speaker Paging, non-delay answer 3: Radio Paging, non-delay answer 4: Speaker Paging, non-delay and 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=08 CM35 Y=08, 13
		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 D^{term}.*

Continued on next page

COMMAND CODE	TITLE: TRUNK DATA
30	

◀: Initial Data

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	C.O. line release	CM41 Y=0>34 CM45 CM30 Y=04, 05 CM49 Y=02 CM48 Y=2
		01	Forward to TAS indicator	
		03	Forward to Attendant Console	
		04	Forward to DIT station	
		05	Music + DT connection for Redial	
		06	DT connection for Redial	
		08	Automated Attendant: 2nd Answering message + DT connection for Redial or	
		15◀	Remote Access to System (DISA): C.O. line release C.O. line release	
31	Handling of busy/not available Automated Attendant/Remote Access to System (DISA) destination in Night Mode NOTE 1 NOTE 2	00	Same as CM30 Y=30	Same as CM30 Y=30
		?		
		15◀		


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: TRUNK DATA
30	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
32	Handling of timed-out Automated Attendant/Remote Access to System (DISA) 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 CM45 CM30 Y=04, 05 CM48 Y=2
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	CM45 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 INITIAL	001 ∟ 127 NONE◀	CIC 001 ∟ CIC 127 No data	CM07 Y=01 CM14 CM35 Y=90, 91
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: TRUNK DATA
30	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
40	Terminating System in Mode A for incoming C.O. calls NOTE 1: <i>When data 02, 03, 11 or 12 is assigned, set CM30 Y=18 to 0.</i> NOTE 2: <i>For DIDs and Tie Lines, set CM30 Y=02 and CM30 Y=03 to 31.</i>	02	Trunk Line (Direct) Appearance	CM30 Y=18 CM30 Y=05 CM49, CM64
		03	Trunk Line (Direct) Appearance + TAS	
		04	Direct-In Termination	
		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	
		14	Termination to Attendant Console	
		16	Remote Access to System (DISA)	
		18	ISDN Indial	
		22	Roaming Termination	
		31◀	[For PCS] DID, Tie Line and the call which is not handled by the PBX	
41	Terminating System in Mode B for incoming C.O. calls (See NOTE 1, NOTE 2 on CM30 Y=40)	02	Same as CM30 Y=40	Same as CM30 Y=40
		?		
		31◀		

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Initial Data

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/CM14, CM11, CM1A
		CXX	Abbreviated code of Speed Calling-System (System Speed Dialing) for DIT-Outside (XX=00-31)	CM71>66 CM35 Y=40
		EBXXX	Digital Announcement Trunk card number (XXX=000-127)	CM10/CM14 CM15 Y=33 CM20>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/CM14, CM11, CM1A CM08>179
		CXX	Abbreviated code of Speed Calling-System (System Speed Dialing) for DIT-Outside (XX=00-31)	CM71>66 CM35 Y=40
		EBXXX	Digital Announcement Trunk number (XXX=000-127)	CM10/CM14 CM15 Y=33 CM20>A100, A101, A102 CM49 Y=00>03000
		NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
44	4VCT circuit number for IP Trunk	01 2 16 NONE◀	Circuit number of PN-4VCT NOTE No data	CM10/CM14

NOTE: Assign 4VCT circuit number for the IP trunk according to the following table.

Level No. FOR 4VCT CARDS	SETTING DATA			
	VCT 0	VCT 1	VCT 2	VCT 3
0	01	05	09	13
1	02	06	10	14
2	03	07	11	15
3	04	08	12	16

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:

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
0	0	Nation code <div style="text-align: right;">(INITIAL)</div>	01 02 03 04 15 NONE◀	Australia UK North America Asia/Africa/Europe/Latin America/ Middle East/Russia New Zealand Nation code by Key ROM
		Nation code [For EU] [Series 3400] <div style="text-align: right;">(INITIAL)</div>	04	Austria/Belgium/Denmark/Germany/Italy/ South Africa/Spain/Sweden/Switzerland/ The Netherlands/UK/Brazil/China/International/Latin America/Asia
<p>NOTE 1: Initial data of CM31 Y=0>0 depends on each nation code of the MP program. For Australia/NZ: 01◀ For UK: 02◀ For North America: 03◀ For Asia/Africa/Europe/Latin America/Middle East/Russia: 04◀</p> <p>NOTE 2: In case of EU, the initial data of CM31 Y=0>0 is same as North America (nation code 03). Therefore, you must set the nation code to 04 by this command.</p> <p>NOTE 3: A-law/μ-law setting is decided in the following order. 1. Setting of CM04 Y=10 2. Setting by Key ROM 3. Setting of SW2-1 of the MP</p>				

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
1	0	MFC PAD Control to Backward Signal [Other than North America]	0	-8 dBm
		MF PAD Control to incoming signal [North America Only]	1	-10 dBm
		2	-11.5 dBm	
		3	-9.13 dBm	
		4	Not used	
		?		
		7◀		
1	Sensitive Level of MFC Receiver [Other than North America] <div style="text-align: right;">INITIAL</div>		00	-26 dBm
			01	-27 dBm
			02	-28 dBm
			03	-29 dBm
			04	-30 dBm
			05	-31 dBm
			06	-32 dBm
			07	-33 dBm
			08	-34 dBm (ITU-T Standard)
			09	-35 dBm
			10	-36 dBm
			11	-37 dBm
			12	-39 dBm
			13	-40 dBm
			14	-41 dBm
	15◀	-38 dBm		
1	Sensitive Level of MF Receiver [North America Only] <div style="text-align: right;">INITIAL</div>		00	-21 dBm
			?	?
			14	-35 dBm
			15◀	-36 dBm (-1 dBm increments)
2	Number of received digits of called number from PSTN/T1 network <div style="text-align: right;">INITIAL</div>		NONE◀	No data
			01	1 digit
			?	?
			31	31 digits

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA																
	DATA	MEANING	DATA	MEANING															
1	3	Number of received digits of ANI signal from PSTN <div style="text-align: right;">(INITIAL)</div>	NONE◀ 01 2 31	No data 1 digit 2 31 digits															
2	0 2 3	AP number 0 2 AP number 3 <div style="text-align: right;">(INITIAL)</div> NOTE: AP number (0-3) corresponds to the AP numbers assigned by CM05 as shown below. <u>CM31 Y=2</u> <u>CM05 Y=0</u> AP number 0: AP number X AP number 1: AP number Y AP number 2: AP number Z AP number 3: AP number W (X<Y<Z<W)	0 2 3◀	Designation of MFC/MF Sender and Receiver, Caller ID Receiver, Enhanced 911 Sender to each circuit (No. 0-3) <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">DATA</th> <th style="text-align: center; border-bottom: 1px solid black;">SENDER</th> <th style="text-align: center; border-bottom: 1px solid black;">RECEIVER</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">No. 0-3</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">No. 0, 1</td> <td style="text-align: center;">No. 2, 3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">No. 2, 3</td> <td style="text-align: center;">No. 0, 1</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">-</td> <td style="text-align: center;">No. 0-3</td> </tr> </tbody> </table>	DATA	SENDER	RECEIVER	0	No. 0-3	-	1	No. 0, 1	No. 2, 3	2	No. 2, 3	No. 0, 1	3	-	No. 0-3
DATA	SENDER	RECEIVER																	
0	No. 0-3	-																	
1	No. 0, 1	No. 2, 3																	
2	No. 2, 3	No. 0, 1																	
3	-	No. 0-3																	

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
3	00 ∟ 15	Sending Backward GA signals on DID MFC call [Not used in North America] <div style="text-align: center;">INITIAL</div> 00: Send first digit 01: Send next digit 02: Send last but one digit (n-1) 03: Address complete, changeover GB 04: Congestion 05: Send calling party's category No. and calling party's next digit Send calling party's next digit [Venezuela Only] 06: Address complete, set up speech conditions 07: Send last but two digits (n-2) 08: Send last but three digits (n-3) 09: Send last digit 10: Send calling party's category No. [Series 3600] [Venezuela Only] 11:] ∟] Not used 15:]	NONE◀ 01 ∟ 15	No data Backward GA-1 Signal ∟ Backward GA-15 Signal NOTE: <i>Assignment of Backward GA signals is different depending on the specifications of each country.</i>
	00	Signal pattern received from T1 network [North America Only] <div style="text-align: center;">INITIAL</div>	NONE◀ 01 02 03	ANI + Called number Called number + ANI ANI Called number NOTE: <i>When the signal pattern from T-1 network is FGD format, set the data to "NONE". When the signal pattern from T-1 network is ANI format, assign "02".</i>

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
4	00	Sending Backward GB signals on DID	NONE◀	No data
	?	MFC call	01	Backward GB-1 Signal
	15	[Not used in North America]	?	?
		INITIAL	15	Backward GB-15 Signal
	00:	Not used		NOTE: <i>Assignment of Backward GB signals is different depending on the specifications of each country.</i>
	01:	Called line idle (charge)		
	02:	Called line busy		
	03:	Not used		
	04:	Congestion		
	05:	Called line idle (no charge)		
	06:	Called line idle (calling subscriber control)		
	07:	Unallocated number		
	08:	Station make busy [Chinese No. 1]		
	09:	Called line busy (Bleak In) [Chinese No. 1]		
	10:	Called line busy (Toll, International) [Chinese No. 1]		
	11:	] Not used	
	?			
	15:			

Continued on next page

COMMAND CODE		TITLE:			
31		MFC/MF-ANI TRUNK DATA			
◀: Initial Data					
Y	1ST DATA		2ND DATA		
	DATA	MEANING	DATA	MEANING	
5	00	Sending Backward GC signals on DID MFC call [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> 00: Send GI first digit, change over to GA 01: Send GI next digit, change over to GA 02: Not used 03: Send GII, change over to GB 04: Congestion 05: Send GIII next digit 06:] 7:] Not used 08:] 09: Send GI same digit, change over to GA 10:] 11:] Not used 15:]	NONE◀	No data	
	7			01	Backward GC-1 signal
	15		7	7	
			15	Backward GC-15 signal	
6	01	Received Backward GA signals on DOD MFC call [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> 01: Backward GA-1 signal 7 7 15: Backward GA-15 signal	NONE◀	No data	
	7			00	Send first digit
	15		01	Send next digit (n+1)	
			02	Send last but one digit (n-1)	
			03	Address complete, change over GB	
			04	Congestion	
			05	Send calling party's category No.	
			06	Address complete, set up speech conditions	
			07	Send last but two digits (n-2)	
			08	Send last but three digits (n-3)	
			09	Send last digit	
			10	] Not used	
			7	] Not used	
			15	] Not used	

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
7	01 ∩ 15	Received Backward GB signals on DOD MFC call [Not used in Australia/ North America] 01: Backward GB-1 signal ∩ ∩ 15: Backward GB-15 signal <div style="text-align: center;">INITIAL</div>	NONE◀ 00 01 02 03 04 05 06 07 08 ∩ 15	No data Not used Called line idle (charge) Called line busy Not used Congestion Called line idle (no charge) Called line idle (calling subscriber control) Unallocated number Not used
8	01 ∩ 15	Received Backward GC signals on DOD MFC call [Not used in Australia/ North America] 01: Backward GC-1 signal ∩ ∩ 15: Backward GC-15 signal NOTE: Backward GC signals are used only when CM08>474, 477: 0. <div style="text-align: center;">INITIAL</div>	NONE◀ 00 01 02 03 04 05 06 ∩ 08 09 10 ∩ 15	No data Send GI first digit, change over GA Send GI next digit, change over GA Not used Send GII, change over GB Congestion Send GIII, next digit Not used Send GI same digit, change over GA Not used
9	01 ∩ 15	Forward GII signal to terminate DID MFC call to Attendant Console [Not used in North America] 01: Forward GII-1 signal ∩ ∩ 15: Backward GII-15 Signal NOTE: Effective only when CM08>020: 1 (Terminating to Attendant Console by receiving Forward GII).	00 01 ∩ 14 15◀	Terminating to Attendant Console Not used Terminating to station

Continued on next page

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

◀: Initial Data

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 [Not used in Australia/ North America] <div style="text-align: right;">(INITIAL)</div> NOTE: ANI function is effective when CM08>474: 0.	NONE◀ 01 ∟ 15	No data Backward GA-1/GC-1 signal ∟ Backward GA-15/GC-15 signal
	01	Forward signal meaning the end of sending ANI signal on DOD MFC call [Not used in Australia/ North America] <div style="text-align: right;">(INITIAL)</div> NOTE: ANI function is effective when CM08>474: 0.	NONE◀ 01 ∟ 15	No data Forward GI-1/GIII-1 signal ∟ Forward GI-15/GIII-15 signal
	02	Forward signal meaning the end of digit code on DOD MFC call [Not used in Australia/ North America] <div style="text-align: right;">(INITIAL)</div>	NONE◀ 01 ∟ 15	No data Forward GI-1 signal ∟ Forward GI-15 signal
	03	Forward signal when originating from station, Attendant Console or by Tandem connection on DOD MFC call [Not used in Australia/ North America]	NONE◀ 01 ∟ 15	Forward GII-1 signal Forward GII-1 signal ∟ Forward GII-15 signal
	04	Forward signal when originating from data station on DOD MFC call [Not used in Australia/ North America] <div style="text-align: right;">(INITIAL)</div>	NONE◀ 01 ∟ 15	Forward GII-1 signal Forward GII-1 signal ∟ Forward GII-15 signal

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	05	Backward signal meaning Pulse Form signal on DID MFC call [Not used in North America] NOTE 2 INITIAL	NONE◀	Pulse Form signal is sent immediately without sending Backward GA-1 signal (Send next digit)
			01	Backward GA-1 signal
			?	?
			15	Backward GA-15 signal
	06	Backward signal meaning Pulse Type-1 signal on DID MFC call [Not used in North America] NOTE 1, NOTE 2 INITIAL	NONE◀	No data
			01	Backward GA-1 signal
			?	?
			15	Backward GA-15 signal
	07	Backward signal meaning Pulse Type-2 signal on DID MFC call [Not used in North America] NOTE 1, NOTE 2 INITIAL	NONE◀	No data
			01	Backward GA-1 signal
			?	?
			15	Backward GA-15 signal
	14	Number of digits to be deleted from ANI [North America Only]	NONE◀	No digit deletion
			00	No digit deletion
			01	Leading one digit deletion
			?	?
			10	Leading 10 digit deletion

NOTE 1: Effective only when CM31 Y=A>05 is assigned.

NOTE 2: Pulse Form/Pulse Type-1/Pulse Type-2 signals mean the signals to ignore incoming Forward signals for a predetermined time when address is completed.

These signals are effective for the following Backward signals:

- Pulse Form signal: Backward GA-3 signal (Address complete, change over GB)
- Pulse Type-1 signal: Backward GA-4 signal (Congestion)
- Pulse Type-2 signal: Backward GA-6 signal (Address complete, set up speech condition)

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	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 T-1 network is FGD format, assign the data to "0". When the signal pattern from T-1 network is ANI format, assign "1".
	17	Signal kind of called number sent from T1 network [North America Only]	0 1◀	DP DTMF 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".
	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".

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
B	00	Duration from sending start Forward signal to receiving Backward signal [Not used in North America] INITIAL	NONE◀ 01 ∟ 31	12 seconds 1 second ∟ 31 seconds Increment unit: 1 second
	01	Duration from detecting Backward signal to receiving stop Backward signal [Not used in North America] INITIAL	NONE◀ 01 ∟ 31	12 seconds 1 second ∟ 31 seconds Increment unit: 1 second
	05	Duration from detecting call termination to receiving Forward signal [Not used in Australia/ North America] INITIAL	NONE◀ 01 ∟ 31	24 seconds 1 second ∟ 31 seconds Increment unit: 1 second
		Supervisory timer of interdigital pause on incoming call [North America Only] INITIAL		
	06	Duration from sending start Backward signal to receiving stop Forward signal [Not used in Australia/ North America] INITIAL	NONE◀ 01 ∟ 31	24 seconds 1 second ∟ 31 seconds Increment unit: 1 second
	07	Duration from detecting receiving stop Forward signal to receiving next Forward signal [Not used in Australia/ North America] INITIAL	NONE◀ 01 ∟ 31	24 seconds 1 second ∟ 31 seconds Increment unit: 1 second

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
B	11	Sending duration of Backward signal [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> NOTE: <i>When this data is not assigned, system continue to send Backward signal until receiving Forward signal.</i>	NONE◀ 00 01 ʘ 12	NOTE 0 ms. 50 ms. } ʘ } Increment unit: 50 ms. 600 ms. }
	12	Waiting duration from sending last Backward signal to sending Pulse Form signal [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> NOTE: <i>Effective when CM31 Y=A>05 is assigned.</i>	NONE◀ 00 01 ʘ 12	200 ms. 0 ms. 50 ms. } ʘ } Increment unit: 50 ms. 600 ms. }
	13	Sending duration of Pulse Form signal [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> NOTE: <i>Effective when CM31 Y=A>05 is assigned.</i>	NONE◀ 00 01 ʘ 12	200 ms. 0 ms. 50 ms. } ʘ } Increment unit: 50 ms. 600 ms. }
	14	Forbidding duration of receiving Forward signal for sending Pulse Form signal [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> NOTE: <i>Effective when CM31 Y=A>05 is assigned.</i>	NONE◀ 00 01 ʘ 12	350 ms. 0 ms. 50 ms. } ʘ } Increment unit: 50 ms. 600 ms. }

Continued on next page

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

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
B	15	Forbidding duration of receiving Forward signal for sending Pulse Type signal [Not used in Australia/ North America] <div style="text-align: center;">INITIAL</div> NOTE: <i>Effective when CM31 Y=A>05 is assigned.</i>	NONE◀ 00 01 2 12	350 ms. 0 ms. 50 ms. 2 600 ms. <div style="margin-left: 100px;">] Increment unit: 50 ms.</div>

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

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) The table below shows the value of the Central Office trunk or Tie line trunk (COT/DID/ODT/LDT/DTI/BRT/PRT/CCT) PAD assigned by CM35 Y=19, Data 4-7.
(T: Transmitter PAD [dB], R: Receiver PAD [dB])

[Australia/New Zealand]

CONNECTION PATTERNS (A-B)	PAD DATA OF B TRUNK			
	DATA=4 (T/R)	DATA=5 (T/R)	DATA=6 (T/R)	DATA=7 (T/R)
Station-ODT	/	0/0	0/0	0/0
Tone-ODT	/	0/0	0/0	0/0
COT/DID/LDT/IPT-ODT	/	0/0	-8/-8	-8/-8
ODT-ODT	/	0/0	-8/-8	-3/-3
DTI/BRT/PRT/CCT/Virtual IPT-ODT	/	0/0	-8/-8	-3/-3
Station-COT/DID/LDT	/	0/+6	0/+6	0/+6
Tone-COT/DID/LDT	/	0/+6	0/+6	0/+6
COT/DID/LDT/IPT-COT/DID/LDT	/	0/+6	-6/+6	-6/+6
ODT-COT/DID/LDT	/	0/+6	-6/+6	0/+6
DTI/BRT/PRT/CCT/Virtual IPT-COT/DID/LDT	/	0/+6	-6/+6	0/+6
Station-DTI/BRT/PRT/CCT	/	/	/	0/0
Tone-DTI/BRT/PRT/CCT	/	/	/	0/0
COT/DID/LDT/IPT-DTI/BRT/PRT/CCT	/	/	/	0/0
ODT-DTI/BRT/PRT/CCT	/	/	/	0/0
DTI/BRT/PRT/CCT/Virtual IPT-DTI/BRT/PRT/CCT	/	/	/	0/0

T/R: Transmit/Receive
+ : Gain
- : Loss

Continued on next page

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

[North America/ μ -law countries/A-law countries]

CONNECTION PATTERNS (A-B)	PAD DATA OF B TRUNK			
	DATA=4 (T/R)	DATA=5 (T/R)	DATA=6 (T/R)	DATA=7 (T/R)
Station-ODT (4W E&M)	/	/	-3/-3	-3/-3
Tone-ODT (4W E&M)	/	/	0/0	0/0
COT/DID/LDT/ODT (2W E&M)/IPT-ODT (4W E&M)	/	/	-2/-2	0/0
ODT (4W E&M)-ODT (4W E&M)	/	/	0/0	0/0
DTI/BRT/PRT/CCT/Virtual IPT-ODT (4W E&M)	/	/	0/0	0/0
Station-COT/DID/LDT/ODT (2W E&M)	/	/	-3/-3	0/0
Tone-COT/DID/LDT/ODT (2W E&M)	/	/	0/0	0/0
COT/DID/LDT/ODT (2W E&M)/IPT-COT/DID/LDT/ODT (2W E&M)	/	/	0/0	0/0
ODT (4W E&M)-COT/DID/LDT/ODT (2W E&M)	/	/	0/0	0/0
DTI/BRT/PRT/CCT/Virtual IPT-COT/DID/LDT/ODT (2W E&M)	/	/	0/0	0/0
Station-DTI/BRT/PRT/CCT	-3/-8	-3/-3	-3/-3	-3/-8
Tone-DTI/BRT/PRT/CCT	0/0	0/0	0/0	0/0
COT/DID/LDT/ODT (2W E&M)/IPT-DTI/BRT/PRT/CCT	0/0	0/0	0/0	0/0
ODT (4W E&M)-DTI/BRT/PRT/CCT	+3/-3	0/0	0/0	+3/-3
DTI/BRT/PRT/CCT/Virtual IPT-DTI/BRT/PRT/CCT	0/-6	0/0	0/-6	0/0

T/R: Transmit/Receive
 + : Gain
 - : Loss

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

[For 900 Ω Line/Trunk Connection]

CONNECTION PATTERNS (A-B)	PAD DATA OF B TRUNK			
	DATA=4 (T/R)	DATA=5 (T/R)	DATA=6 (T/R)	DATA=7 (T/R)
Station-COT/DID	/	/	/	-1/-1
Tone-COT/DID	/	/	/	0/0
COT/LDT/DID/IPT-COT	/	/	/	0/0
ODT/DTI/Virtual IPT-COT/DID	/	/	/	0/0
Station-LDT	/	/	/	0/-7
Tone-LDT	/	/	/	0/0
COT/LDT/DID/IPT-LDT	/	/	/	0/0
ODT/DTI/Virtual IPT-LDT	/	/	/	0/0
Station-ODT	/	/	/	-3/-10
Tone-ODT	/	/	/	0/0
COT/LDT/DID/IPT-ODT	/	/	/	0/0
ODT/DTI/Virtual IPT-ODT	/	/	/	0/0

T/R: Transmit/Receive

+ : Gain

- : Loss

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

(2) The table below shows the value of the IP trunk (IPT) PAD assigned by CM35 Y=19, Data 4-7.
 (T: Transmitter PAD [dB], R: Receiver PAD [dB])

[Australia/New Zealand]

CONNECTION PATTERNS (A-B)	PAD DATA OF B TRUNK			
	DATA=4 (T/R)	DATA=5 (T/R)	DATA=6 (T/R)	DATA=7 (T/R)
Station-IPT	0/0	0/0	0/0	0/0
Tone-IPT	0/0	0/0	0/0	0/0
COT/DID/LDT/IPT-IPT	0/0	0/0	0/0	0/0
ODT-IPT	0/0	0/0	0/0	0/0
DTI/BRT/PRT/CCT/Virtual IPT-IPT	0/0	0/0	0/0	0/0

T/R: Transmit/Receive

[North America/ μ -law countries/A-law countries]

CONNECTION PATTERNS (A-B)	PAD DATA OF B TRUNK			
	DATA=4 (T/R)	DATA=5 (T/R)	DATA=6 (T/R)	DATA=7 (T/R)
Station-IPT/SIP	0/-8	0/-4	0/-4	0/-8
Tone-IPT/SIP	0/0	0/0	0/0	0/0
COT/DID/LDT/ODT (2W E&M)/IPT-IPT/ SIP	0/0	0/0	0/0	0/0
ODT (4W E&M)-IPT/SIP	0/0	0/0	0/0	0/0
DTI/BRT/PRT/CCT/Virtual IPT-IPT/SIP	0/-12	0/0	0/-12	0/0

T/R: Transmit/Receive

- : Loss

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

- (3) When assigning a Tie line, the data in CM35 Y=09 (Incoming connection signalling) should be similar to that of CM35 Y=20 (Sender starting condition).
The table below shows the assignment of the sender starting condition in relation to the incoming connection signalling.

INCOMING CONNECTION SIGNALING (CM35 Y=09)	SENDER START CONDITION (CM35 Y=20)	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.

- (4) Table below shows the value of C.O, LD and DID trunk Gain PAD assigned by CM35 Y=47, Data=0-3 (T: Transmitter PAD (dB), R: Receiver PAD (dB)).

CM35 Y=47 DATA	COT (T/R)	LDT/DID (T/R)	REMARKS
0	+1.5/6.5	+1.5/6.5	
1	None	0/0	
2	None	+0.5/+2.5	
3	+0.5/+5.5	+0.5/+5.5	

- (5) After setting CM35 Y=100, system reset is required.
After setting CM35 Y=113, DCH card reset is required.
After setting CM35 Y=142, DBM card reset is required.

ASSIGNMENT PROCEDURE:

[ST] + 35YY/YYY + **[DE]** + TRUNK ROUTE (2 digits) + **[DE]** + DATA (1-4 digits) + **[EXE]**

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

DATA TABLE:

Y=00-98

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	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/Interface with BGM tone source and Wake Up announcement	
		15◀	Not used	
01	Dialing signal type		[Incoming] [Outgoing]	
		2	DP 10 PPS DP 10 PPS	
		3	DP 10/20 PPS DP 20 PPS	
		4	DTMF DTMF	
		7◀	DP/DTMF DTMF	
02	Call direction	1	Incoming trunk	
		2	Outgoing trunk	
		3◀	Bothway trunk	
03	Trunk name number	00-14	Trunk name 00-14	CM77 Y=2, 3
		15◀	Kind of trunk route assigned by CM35 Y=00 is displayed	
		16-63	Trunk name 16-63	
	Local Office Code table number used for tandem connection (for Enhanced 911) [North America Only]	00-14	Local Office Code table No. 00-14	
		15◀	Not send calling number	

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04	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) Answer signal does not arrive (Polarity Reversal is ignored and answer timing shall be set by CM41Y=0>03) Answer signal does not arrive (Tie line/No metered C.O. line, Answer timing shall be set by CM41 Y=0>03)	CM41 Y=0
05	Release signal from distant office for outgoing connection or incoming connection	0 1◀	Release signal does not arrive (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)	
08	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)	
09	Incoming connection signaling	01 03 04 05 06 08 15◀	Ring Down (Ground Start C.O. line) Wink Start/CCIS/H.323/SIP Delay Dial Immediate Start 2nd DT/Timing Start-Tie line ISDN/Q931a Ring Down (Loop Start C.O. line)	CM35 Y=20
10	2nd DT sending on call termination	0 1◀	2nd DT is not sent (DID, etc.) 2nd DT is sent	

Continued on next page

COMMAND CODE		TITLE:																					
35		TRUNK ROUTE DATA																					
◀: Initial Data																							
Y		SETTING DATA		RELATED COMMAND																			
No.	MEANING	DATA	MEANING																				
11	Toll Restriction	0 3◀	To provide Not provided	CM81, CM8A CM85 CM35 Y=76																			
12	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=18 CM35 Y=170																			
13	Maximum number of sending digits allowed on outgoing connection For C.O. trunks, data assignment is not required.	NONE◀ 000 001 002 003 004 005 ? 254	<table border="0"> <tr> <td><u>Ordinary TRK</u></td> <td><u>Radio Paging TRK</u></td> </tr> <tr> <td>Determined by</td> <td>2 digit + STN</td> </tr> <tr> <td>CM35 Y=76 NOTE 1</td> <td>NOTE 2</td> </tr> <tr> <td>–</td> <td>Only dialed No. is sent</td> </tr> <tr> <td>1 digit</td> <td>1 digit + STN</td> </tr> <tr> <td>2 digits</td> <td>2 digits + STN</td> </tr> <tr> <td>3 digits</td> <td>3 digits + STN</td> </tr> <tr> <td>4 digits</td> <td>4 digits + STN</td> </tr> <tr> <td>5 digits</td> <td rowspan="2">} 2 digits + STN</td> </tr> <tr> <td>? 254</td> </tr> </table> <p>NOTE 1: When CM35 Y=76 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=76 is set to 00-04, specify the dialed digits which is assigned by CM85.</p> <p>NOTE 2: STN means the calling party's station number, and this number is sent automatically by CM30 Y=28>x6.</p>	<u>Ordinary TRK</u>	<u>Radio Paging TRK</u>	Determined by	2 digit + STN	CM35 Y=76 NOTE 1	NOTE 2	–	Only dialed No. is sent	1 digit	1 digit + STN	2 digits	2 digits + STN	3 digits	3 digits + STN	4 digits	4 digits + STN	5 digits	} 2 digits + STN	? 254	CM30 Y=28 CM35 Y=76
<u>Ordinary TRK</u>	<u>Radio Paging TRK</u>																						
Determined by	2 digit + STN																						
CM35 Y=76 NOTE 1	NOTE 2																						
–	Only dialed No. is sent																						
1 digit	1 digit + STN																						
2 digits	2 digits + STN																						
3 digits	3 digits + STN																						
4 digits	4 digits + STN																						
5 digits	} 2 digits + STN																						
? 254																							
14	SMDR/Centralized-Billing-CCIS for outgoing call	0 1◀	Not provided To provide	CM13 Y=06																			

Continued on next page

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
15	Kind of call termination indicator key/lamp on Attendant Console	00	C.O. Incoming Call 0 (Standard "LDN" key)	CM46 CM90 CM50
		↵	↵	
		07	C.O. Incoming Call 7	
	Call termination indicator lamps further categorized by the kind of calls (ex.C.O incoming call or Tie line incoming call).	10	FX Incoming Call 0 (Standard "FX" key)	
		↵	↵	
		17	FX Incoming Call 7	
		20	WATS Incoming Call 0 (Standard "WATS" key)	
		↵	↵	
		27	WATS Incoming Call 7	
		30	CCSA Incoming Call 0 (Standard "CCSA" key)	
		↵	↵	
		37	CCSA Incoming Call 7	
		40	Tie Line Incoming Call 0 (Standard "TIE" key)	
		↵	↵	
		47	Tie Line Incoming Call 7	
75	Call Termination via No. 7 CCIS			
NONE◀	No data			

NOTE 1: When the standard lamp indications are utilized, set the standard data.

NOTE 2: Set the correspondence between the key positions on Attendant Console and this assignment data by CM46 or CM90.

16	Sending of Hook Flash to outside	0 1◀	Not sending Sending	CM90 Y=00: F1009 CM41 Y=2>17
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Continued on next page

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND						
No.	MEANING	DATA	MEANING							
17	Digit addition and deletion at the time of a Tie line incoming call: 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-digit addition (CM50 Y=00>0) 1 digit deletion 2 digits deletion Addition/deletion is not performed.	CM50 Y=00						
18	Digit conversion on DID call	0 1◀	To provide Not provided	CM76						
19	PAD control of C.O./ Tie line trunk/Conference trunk/ IP trunk/SIP trunk	0 1 2 3 4 5 6 7◀	<table style="border: none;"> <tr> <td style="border: none;">}</td> <td style="border: none;">Programmable PAD by CM42</td> </tr> <tr> <td style="border: none;">}</td> <td style="border: none;">Fixed PAD</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">See PRECAUTION (1), (2)</td> </tr> </table>	}	Programmable PAD by CM42	}	Fixed PAD		See PRECAUTION (1), (2)	CM42
}	Programmable PAD by CM42									
}	Fixed PAD									
	See PRECAUTION (1), (2)									

NOTE 1: For CFTC, the PAD data must be assigned by CM42.

NOTE 2: Assign the second data to 0 for following countries.

Austria/Belgium/Denmark/Germany/Italy/South Africa/Spain/Sweden/Switzerland/The Netherlands/UK/Brazil/China/International.


[For EU]

[Series 3400]

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
20	Sender start condition	00 01 02 15◀	Wink Start/CCIS/H.323/SIP Delay Dial Ground Start Timing Start (Prepause per CM35 Y=21)	CM35 Y=09
21	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 CM35 Y=43
22	Automatic live recording	0 1◀	Start automatically Not available NOTE: <i>When this feature is activated, be sure to assign CM08>141, CM13 Y=23, and/or CM76 Y=13</i>	CM08>141 CM13 Y=23 CM76 Y=13
23	DP Inter-digital pause	0 1 2 3 4 5 6 7◀	300 ms. 400 ms. 500 ms. 600 ms. 700 ms. 900 ms. 1100 ms. 800 ms.	

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
24	DTMF Inter-digital pause	0	32 ms.	
		1	64 ms.	
		2	80 ms.	
		3	96 ms.	
		4	160 ms.	
		5	192 ms.	
		6	240 ms.	
7◀	128 ms.			
25	DP Make Ratio	0	39 % Make Ratio	
		1◀	33 % Make Ratio	
26	DTMF signal width	0	64 ms.	
		1◀	128 ms.	
28	Outgoing Trunk Queuing	0	Not allowed	CM15 Y=02
		1◀	Allow	
32	Distinctive LED indication on D ^{term} during external incoming call termination	0	Green (120 IPM)	CM08>137
		1◀	Red (120 IPM)	
<p>NOTE: The LED indication for an internal incoming call is red (120 IPM flashing). For indicating the termination of transferred external incoming call, the flashing LED color depends on CM08>137.</p>				
33	Interval of ringing signal to station on incoming calls [Other than North America]	0	Ringing NOTE	CM08>397
		1	Special Ringing	
		2	Internal Ringing	
		3◀	External Ringing	
<p>NOTE: For SLT, Internal Ringing is applied. For D^{term}, 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 EU] is applied.  See CM08>397</p>				

Continued on next page

COMMAND CODE		TITLE:																				
35		TRUNK ROUTE DATA																				
◀: Initial Data																						
Y		SETTING DATA		RELATED COMMAND																		
No.	MEANING	DATA	MEANING																			
33	Interval of ringing signal to station on incoming calls [North America Only]	0	0.4 seconds ON-0.2 seconds OFF-0.4 seconds ON-2 seconds OFF																			
		1	0.4 seconds ON-0.2 seconds OFF-0.4 seconds ON-2 seconds OFF																			
		2	1 second ON-2 seconds OFF																			
		3◀	2 seconds ON-4 seconds OFF																			
NOTE: For incoming calls to Trunk Line Appearance key on D^{term} , the special ringing; 0.2 seconds ON-0.2 seconds OFF will be applied.																						
34	D^{term} Ringer Tone Pattern on incoming calls [Series 3200 R6.1 (R6.1)]	0	See below	CM08>390 CM15 Y=83, 84 CM65 Y=40																		
		1																				
		2																				
		3◀																				
D^{term} ringer tone pattern is assigned by the following combination of CM35 Y=34 and 164. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3" style="text-align: right;">◀: Initial Data</th> </tr> <tr> <th>Y=34</th> <th>Y=164: 0</th> <th>Y=164: 1◀</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Ringer Tone Pattern 3</td> <td>Ringer Tone Pattern 0</td> </tr> <tr> <td>1</td> <td>Ringer Tone Pattern 6</td> <td>Ringer Tone Pattern 1</td> </tr> <tr> <td>2</td> <td>Ringer Tone Pattern 5</td> <td>Ringer Tone Pattern 2</td> </tr> <tr> <td>3◀</td> <td>Ringer Tone Pattern 4</td> <td>Ringer Tone Pattern 7</td> </tr> </tbody> </table>					◀: Initial Data			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
◀: Initial Data																						
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: For the Ringer Tone Pattern, see CM65 Y=40 .																						
36	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																		
37	MF/MFC Signaling on DID	0 1◀	Available Not available																			
38	MFC Signaling on DOD/ Enhanced 911	0 1◀	Available Not available																			

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
39	Trunk release by detecting reversal of tip and ring on outgoing C.O. call	0 1◀	Not released To release	
40	Abbreviated Codes for speed calling for routing to C.O. line when all tie lines are busy	00 ∟ 31◀	Abbreviated Codes for Speed Calling-System (System Speed Dialing) assigned by CM71>66	CM71>66 CM72
41	Line Fault Detection [Australia Only]	0 7◀	To detect Not detected	
42	Metering [Australia Only]	0 7◀	Metering No Metering signal (C.O./Tie line)	
43	Both way path connection between PB station and PB trunk when providing sender prepause	00 15◀	To connect Not connected NOTE: <i>Maximum number digit analysis should be provided to prevent one way calls.</i>	CM08>193, 194, 331 CM35 Y=76 CM85 CM8A Y=4000-4007
44	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 CMD000>60
NOTE: <i>When both CM35 Y=44 and CM35 Y=189 are set to the same trunk route, the setting of CM35 Y=189 is effective.</i>				
45	DP 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	

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
46	DTMF sender release timing	0	2 seconds	
		1	4 seconds	
		2	6 seconds	
		3	8 seconds	
		4	12 seconds	
		5	14 seconds	
		6	16 seconds	
		7◀	10 seconds	
47	C.O. LD, DID trunk Gain PAD [Not used in Australia/ North America]	0	Transmitter PAD: + 3dBr, Receiver PAD: + 5dBr	See PRE-CAUTION (4)
		1	Receiver PAD: + 5dBr	
		3◀	0dBr (No amplification)	
48	Sending Backward signal when address is completed [Other than North America]	0	Set up speech condition without waiting Forward GII signal	
	1◀	Waiting Forward GII signal		
	Sending Busy/Idle information to network [North America Only]	0	Not available	
	1◀	Available		
49	SMDR for incoming call	0	To provide	CM13 Y=05
		1◀	Not provided	
51	Restriction of outgoing connection (Unrestricted) (RCA)	0	Restricted	CM12 Y=01
		1◀	Allow	
52	Restriction of outgoing connection (Non-Restricted-1) (RCB)	0	Restricted	
		1◀	Allow	
53	Restriction of outgoing connection (Non-Restricted-2) (RCC)	0	Restricted	
		1◀	Allow	
54	Restriction of outgoing connection (Semi-Restricted-1) (RCD)	0	Restricted	
		1◀	Allow	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
55	Restriction of outgoing connection (Semi-Restricted-2) (RCE)	0 1 ◀	Restricted Allow	CM12 Y=01
56	Restriction of outgoing connection (Restricted-1) (RCF)	0 1 ◀	Restricted Allow	
57	Restriction of outgoing connection (Restricted-2) (RCG)	0 1 ◀	Restricted Allow	
58	Restriction of outgoing connection (Fully-Restricted) (RCH)	0 1 ◀	Restricted Allow	
59	Call Waiting for DID call	0 1 ◀	Allow Restricted	CM08>367 CM42>18
60	Priority Queuing	0 1 ◀	Allow Restricted	
61	Restriction of incoming connection to station (Unrestricted) (RCA)	0 1 ◀	Restricted Allow	CM12 Y=01
62	Restriction of incoming connection to station (Non-Restricted-1) (RCB)	0 1 ◀	Restricted Allow	
63	Restriction of incoming connection to station (Non-Restricted-2) (RCC)	0 1 ◀	Restricted Allow	
64	Restriction of incoming connection to station (Semi-Restricted-1) (RCD)	0 1 ◀	Restricted Allow	
65	Restriction of incoming connection to station (Semi-Restricted-2) (RCE)	0 1 ◀	Restricted Allow	

Continued on next page

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
66	Restriction of incoming connection to station (Restricted-1) (RCF)	0 1 ◀	Restricted Allow	CM12 Y=01
67	Restriction of incoming connection to station (Restricted-2) (RCG)	0 1 ◀	Restricted Allow	
68	Restriction of incoming connection to station (Fully-Restricted) (RCH)	0 1 ◀	Restricted Allow	
69	Announcement service group 0	0 1 ◀	Restricted Allow	CM20>A103-A109 CM49 Y=00>04XX CM15 Y=034-039
70	Announcement service group 1	0 1 ◀	Restricted Allow	
71	Announcement service group 2	0 1 ◀	Restricted Allow	
72	Announcement service group 3	0 1 ◀	Restricted Allow	
73	Announcement service group 4	0 1 ◀	Restricted Allow	
74	Attendant Delay Announcement	0 1 ◀	Allow Restricted	CM49 Y=00, 0A
75	DID incoming LDN display on D ^{term} /ATTCON/DESKCON	0 1 ◀	Available Not available (Trunk ID code assigned by CM30 Y=19 is displayed.) NOTE 1: <i>Up to 4 digits LDN is available.</i> NOTE 2: <i>The DID incoming LDN is displayed irrespective of any digit conversion by CM76.</i>	CM30 Y=19
76	Designation of Area Code Development Pattern No. for Toll Restriction Analysis, and Maximum Digit Analysis.	00 7 07 15 ◀	Area Code Development Pattern No. 0 7 Area Code Development Pattern No. 7 Not used	CM8A Y=4000-4007 CM85 Y=0-7

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COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
78	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=12, 18 CM76
79	Terminal connection form for ISDN Basic Rate Interface BRT INITIAL	0 1 ◀	Point-to-Point Point-to-Multipoint NOTE: Set 0 for 4BRT card.	
83	Trunk seizure sequence for an outgoing call	0 1 ◀	As per CM08>078 By allotter	CM08>078 CMA7 Y=64
86	Centrex trunk	0 1 ◀	To provide Not provided	
87	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 CM30 Y=02, 03 to 02. NOTE 2: Tone Ringer is selected by CM35 Y=34, lamp control is set by CM35 Y=32 respectively.	CM30 Y=02, 03 CM30 Y=18
89	Cyclic Redundancy checking for DTI trunk	0 1 ◀	To provide Not provided	
90	Special facilities INITIAL	0 2 3 5 6 7 ◀	No. 7 CCIS, IP trunk, SIP trunk ISDN-Basic Rate Interface ISDN-Primary Rate Interface Q-SIG (ETS300 172) PBX-PBX Interface for Roaming (Q931a digital) [For PCS] Not used	CM30 Y=35
91	Common Channel Handler (CCH) number used for No. 7 CCIS/IPT/SIP INITIAL	0 2 7 NONE ◀	CCH0 2 CCH7 No data	CM06 Y=07 CM30 Y=35 CMA7 CMA8

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
92	Digital Data Transmission via DDI/No. 7 CCIS	0 1 2 3 7◀	Digital Data Transmission (48 Kbps) Digital Data Transmission (56 Kbps) Digital Data Transmission (Transparent) Reversal of F&S Bits Data Transmission via Modem	
93	D Channel Handler (DCH) number used for ISDN Primary Rate Interface/ Q-SIG	00 ? 07 15◀	DCH0 ? DCH7 Not used	CM06 Y=08
	D Channel Handler (DCH) number used for ISDN Primary Rate Interface	00 ? 31 NONE◀	DCH0 ? DCH31 No data [Series 3800]	
97	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
98	Designated seizure of trunks for Private Lines	0 1◀	Allow Restricted	CM12 Y=16 CM42>08

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COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

Y=100-197

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
100	Terminating and Balanced Network Impedance INITIAL	00	Impedance for other than EU 600 Ω (for regular/long line)	
		01	Balanced Network Impedance: complex 900 Ω	
		02	Balanced Network Impedance: complex 600 Ω (for short line/behind PBX)	
		07	Balanced Network Impedance: 600 Ω LDT (for short line only) NOTE 1	
		13	DIT (for short line only)	
		14	2-wire E&M Trunk (for regular) NOTE 2	
		15	2-wire E&M Trunk (for long line) NOTE 2	
		NONE◀	For regular	
		00◀	Impedance for EU [Series 3400] 600 Ω (for short/long line)	
			Balanced Network Impedance: complex - For PN-8COTU [Austria/Belgium/Denmark/Germany/ Italy/South Africa/Spain/Sweden/ Switzerland/The Netherlands/UK]	
			- For PN-8COTR/PN-8COTR-A [Brazil/China/International]	

NOTE 1: If the echo occurs when you use the LDT card, set CM35 Y=100 to 07.

NOTE 2: When you use the ODT card for 2-wire E&M trunk, set CM35 Y=100 to 14/15.

NOTE 3: When using Series 3600 software or later, a reset of the MP card is not required after this command is set/changed. When changing the data with online, the data is valid after the trunk card is unplugged and plugged in.

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
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)	1 2 3 ◀	<u>E wire</u> <u>M wire</u> Open Open Signaling (Type V) Ground Battery Signaling (Type I) Ground Ground Signaling (Type V/Type II)	
105	Purpose of 2-wire E&M/ 4-wire E&M trunk (ODT)	0 1 ◀	2-wire E&M Trunk 4-wire E&M Trunk NOTE: <i>All circuits in one ODT card must be set as the same type interface.</i>	
106	Malicious Call Trace [Australia Only]	0 1 ◀	Not provided To provide	CM15 Y=211 CM20: A170 CM90 Y=00: F0A70 CM90 Y=00: F6120
113	LAPD Mode of D-channel route for WCS Roaming [For PCS] (DCH INITIAL)	0 1 ◀	Network Mode User Mode	
	LAPD Mode of D channel route for Q-SIG (DCH INITIAL)	0 1 ◀	Network Mode User Mode	
115	Collect Call Blocking [Brazil Only]	0 1 ◀	Available Not available	CM15 Y=076
119	Forced release for tandem connection for incoming trunk	0 1 ◀	Available Not available	CM08>029 CM41 Y=0>54

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
121	Trunk Release detection by momentary reverse from C.O. (Busy tone detection box) [Not used in Australia/ North America]	0 1◀	Available Not available	CM41 Y=2>38
129	Sending method of calling number from/to network	0 1 3 7◀	CALLER ID (CLASS SM) T1-ANI [North America Only] Enhanced 911 [North America Only] MFC-R2 [Other than North America]	
130	Sending of expanded information on Low Layer Compatibility (LLC) information element [Series 3200 R6.2 (R6.2)]	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 IP trunk/SIP trunk voice packet TOS: Type of Service	00 ? 07 15◀	PRECEDENCE 0 ? PRECEDENCE 7 PRECEDENCE 0	CM35 Y=161 CMA7 Y=44
NOTE: This data setting is ineffective when CM35 Y=161 is set.				
135	Kind of trunk route for voice channel and common signaling channel	0 1◀	Event Based CCIS route Other trunk route	
136	DP Make Ratio [France Only]	0 1◀	50 % Make Ratio (when CM35 Y=25 is set to 1) 33 % Make Ratio (when CM35 Y=25 is set to 0) As per CM35 Y=25	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
137	Pulsed E&M [France Only]	0 1 ◀	Pulsed E&M Standard	
138	Sending of received ANI information from network to VMS with MCI	0 1 ◀	To send Not sent	
139	Roaming Service for Virtual COT route [For PCS]	0 1 ◀	Available Not available	CM30 Y=00
140	Roaming Service [For PCS]	0 1 ◀	Available Not available	
141	Pursuit function after Roaming PS [For PCS]	0 1 ◀	To provide Not provided NOTE: Set this data only to C.O. line trunk route of called side PBX when the software is Series 3300 or before. Set this data to C.O. line trunk route of called side PBX, voice channels trunk route of D channels, LDT/ODT, and IP trunk when the software is Series 3400 or later.	
142	Protocol type between PBXs for WCS Roaming [For PCS] (DCH INITIAL)	1 7 ◀	Q931a-Digital None	
143	Method to send CCIS channel number for virtual tie line on Event Based CCIS	0 1 ◀	By Subaddress By dialed-in digits	
144	ISDN-BRI Layer 1 activation (BRT INITIAL)	0 1 ◀	Activated by call event Always activated	

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
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 route on tandem call from CCIS [North America Only]	0 1 ◀	To provide Not provided	
147	Kind of Call Forwarding-Don't Answer (No Answer) key assigned to ATTCON/DESKCON	0 1 ◀	Call Forwarding-Don't Answer (No Answer) key assigned by CM90 Y=00: F6068 Call Forwarding-Don't Answer (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	
150	CID Call Back	0 1 ◀	To provide Not provided	CM12 Y=38
152	Verification of Connection for Event Based CCIS	0 1 ◀	To provide Not provided	
153	ISDN answer signal sending timing for Event Based CCIS	0 1 ◀	Send when the called party answers the call Send before the called party answers the call NOTE: Be sure to set the same data to opposite office.	
154	Information Transfer Capability of ISDN line used for Event Based CCIS	5 6 7 ◀	3.1 kHz audio Speech Unrestricted digital information	
155	Calling party number is used as the ID Code for Remote Access to System (DISA)	0 1 ◀	Available Not available NOTE: Assign this data only for Ring down connection.	CM2A Y=15, A0

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
156	Calling Name Display for incoming call from ISDN/T1-ANI/MFC-R2 route	0 1 3◀	1000-Slot Memory Block No. 3 1000-Slot Memory Block No. 2, 3 [Series 3700 R12.2] Not provided	CM15 Y=136
158	Release of ISDN trunk when receiving the ISDN DISCONNECT message with Progress Description=08 from ISDN (effective for an outgoing call to ISDN) [Series 3200 R6.2 (R6.2)]	0 1◀	To release Not released	
<p>NOTE: 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.</p>				
159	8/32-Party Conference trunk	0 1◀	To provide Not provided	CM05 CM07
161	DS code point (DiffServ code point) for IP trunk/SIP trunk voice packet	00-3F NONE◀	DS code point No data	CM35 Y=134 CM41 Y=2>38 CMA7 Y=50
<p>NOTE 1: Set this data when the router provides DiffServ QoS, if required. DiffServ: Differentiated Services; one type of QoS. QoS: Quality of Service</p> <p>NOTE 2: 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.</p> <p>NOTE 3: This data setting is required only for Point-to-Multipoint connection.</p>				
163	Echo canceller setting for IP trunk/SIP trunk	0 1◀	Echo canceller OFF Echo canceller ON	CM8A Y=5000-5255>170
<p>NOTE: Set this data when setting the echo canceller to each trunk route basis. To set the echo canceller for each opposite office respectively in Point-to-Multipoint connection, use CM8A Y=5000-5255>170.</p>				

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COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND															
No.	MEANING	DATA	MEANING																
164	D ^{term} Ringer Tone Pattern on incoming calls [Series 3200 R6.1 (R6.1)]	0 1◀	See below	CM35 Y=34															
<p>D^{term} ringer tone pattern is assigned by the following combination of CM35 Y=34 and 164.</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Y=34</th> <th style="text-align: center;">Y=164: 0</th> <th style="text-align: center;">Y=164: 1◀</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td>Ringer Tone Pattern 3</td> <td>Ringer Tone Pattern 0</td> </tr> <tr> <td style="text-align: center;">1</td> <td>Ringer Tone Pattern 6</td> <td>Ringer Tone Pattern 1</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Ringer Tone Pattern 5</td> <td>Ringer Tone Pattern 2</td> </tr> <tr> <td style="text-align: center;">3◀</td> <td>Ringer Tone Pattern 4</td> <td>Ringer Tone Pattern 7</td> </tr> </tbody> </table> <p>NOTE: For the Ringer Tone Pattern, see CM65 Y=40.</p>					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
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																	
165	VIPT (Voice channel for H.323 IPT) number	00-07 NONE◀	VIPT number No data	CMBB															
166	Sending RBT for H.323 connection	0 1 3◀	Send Send RBT according to the Progress Indicator within Alert Not sent																
167	Condition check of IPT/SIP trunk Ethernet cable	0 1◀	To provide Not provided	CM8A															
169	Sending Switch Hook Flash for Adjunct Analog System [Series 3100]	0 1◀	To send Not sent																
170	DID Development Table	0 3◀	Development Table 1 Development Table 0	CM76 Y=00, 90															
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															
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															

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
173	Call Forwarding-All Calls on Attendant Overflow	0 1◀	Available Not available	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/SIP	0 1◀	To provide Not provided	CM8A CM35 Y=192
187	Alternate Routing for ISDN [Australia Only]	0 1◀	To provide Not provided	CM8A
189	Trunk access code for Trunk-Direct Appearances Multi-line Operation [Series 3800]	X ? XX NONE◀	Trunk Access Code to be added X=0-9, A (*), B (#) No data	CM35 Y=44
192	Tandem calls to CCT/IPT/Virtual IPT/SIP with Alternate Routing for a fault occurrence [Series 3200 R6.2 (R6.2)]	0 1◀	To provide Not provided	CM35 Y=186
193	Characteristic level [Series 3200 R6.1 (R6.1)]	10-17 NONE◀	Characteristic level No. 10-17 No data	CM0A Y=72
196	Q-SIG Facility [Series 3200 R6.2 (R6.2)]	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 [Series 3300]	0 1◀	Global Local	

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
Y=200-999				
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
200	ISDN trunk tone sending [Series 3400]	0 1◀	To send Not sent	
201	Indication when a trunk is set to the Line Key of D ^{term} 85 (Series i) 16LD [Series 3300]	0 1 3◀	Trunk Route Name (4 characters) Trunk Route Name (4 characters) + Trunk No. (4 digits) Trunk Route No. (2 digits) + Trunk No. (4 digits)	
202	Area Code Development Pattern number for ETSI ISDN/Q-SIG Overlap Receiving [For EU] [Series 3200 R6.2 (R6.2)]	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 EU] [Series 3200 R6.2 (R6.2)]	0 1◀	To provide Not provided	CM08>026, 027 CM35 Y=202
205	SMDR output for abandoned incoming call [Series 3500]	0 1◀	To provide Not provided	
206	ISDN/Q-SIG call origination procedure [For EU] [Series 3300]	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 EU] [Series 3300]	00 ? 31 63◀	0 digit ? 31 digits No data	

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
208	Release of ISDN trunk when receiving the ISDN DISCONNECT message with Progress Description=08 from ISDN (effective for an incoming call from ISDN) [Series 3200 R6.2 (R6.2)]	0 1◀	Not released To release	
NOTE: 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 EU] [Series 3300]	0 1◀	To provide Not provided	CM12 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 EU] [Series 3300]	0 1◀	Available Not available	CM12 Y=153, 154 CM35 Y=220 CM08>629
222	International Prefix Code for ETSI ISDN Addressing [For EU] [Series 3300]	X ∅ XXXX NONE◀	Prefix Code X: 0-9, A (*), B (#) No data	
223	National Prefix Code for ETSI ISDN Addressing [For EU] [Series 3300]	X ∅ XXXX NONE◀	National Prefix Code X: 0-9, A (*), B (#) No data	

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
224	Country Code for ETSI ISDN Addressing [For EU] [Series 3300]	X ∅ XXXX NONE◀	Country Code X: 0-9, A (*), B (#) No data	
225	Area Code for ETSI ISDN Addressing [For EU] [Series 3300]	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 EU] [Series 3300]	0 1◀	Available Not available	
228	ETSI ISDN Channel Negotiation [For EU] [Series 3300]	0 1◀	To provide Not provided	
230	Type of number (ISDN Calling party number) [Series 3300]	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.				
231	Numbering plan identification (ISDN Calling party number) [Series 3300]	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.				

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
233	Release of ISDN trunk when receiving the ISDN DISCONNECT message with Progress Description=08 from ISDN because the called party is busy in tandem connection (ISDN to ISDN) [Series 3600]	0 1◀	To release Not released	CM35 Y=266
<p>NOTE 1: To release the ISDN trunk when receiving the ISDN DISCONNECT message, set the second data 0 to the incoming trunk route of tandem office.</p> <p>NOTE 2: Assign the second data 0 to the incoming and forwarding trunk route of Mobility Access.</p>				
234	Type of number/Numbering plan identification of ISDN Calling Party Number [Series 3500]	0 1◀	To provide Not provided	CM35 Y=230, 231
244	Dial Tone (DT) sending to calling party of opposite office when receiving the SETUP message by Overlap Receiving-Q-SIG [Russia Only] [Series 3600]	0 1◀	To send DT of own office Not sent	
<p>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".</p> <p>NOTE 2: This command should be assigned to incoming trunk route when sending DT to calling party.</p> <p>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.</p>				
Continued on next page				

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
245	Calling Party number (1-8 digits) transfer to ISDN on tandem call from Q-SIG [Series 3400]	0 1◀	To provide Not provided	
247	Forced release in designated time for outgoing trunk route [Series 3500]	0 1◀	To provide Not provided	
248	Forced release in designated time for incoming trunk route [Series 3500]	0 1◀	To provide Not provided	
249	Warning SST sending timer for forced release to the incoming trunk route of tandem connection [Series 3500]	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 [Series 3500]	0 1◀	To provide Not provided	CM41 Y=0>117
254	Whether the call terminating method is specified for incoming call with no CLI in Day Mode [Series 3600]	0 1 3◀	Specified when reason of the incoming call with no CLI is "Privacy" Specified for all incoming call with no CLI Not specified	CM35 Y=255
NOTE: Assign the call terminating method by CM35 Y=255 when this command is set to 0/1.				
255	Specification of the call terminating method for incoming call with no CLI in Day Mode [Series 3600]	0 1 2 3◀	To transfer to the DAT/another station/ Attendant Console (assigned by CM51 Y=33) To reject the call termination To terminate the D ^{term} with unusual LED indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=254, 258 CM51 Y=33

Continued on next page

COMMAND CODE	TITLE: TRUNK ROUTE DATA
35	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
256	Whether the call terminating method is specified for incoming call with no CLI in Night Mode/Mode A/ Mode B [Series 3600]	0	Specified when reason of the incoming call with no CLI is "Privacy"	CM35 Y=257
		1 3◀	Specified for all incoming call with no CLI Not specified	
NOTE: Assign the call terminating method by CM35 Y=257 when this command is set to 0/1.				
257	Specification of the call terminating method for incoming call with no CLI in Night Mode/Mode A/Mode B [Series 3600]	0	To transfer to the DAT/another station/Attendant Console (assigned by CM51 Y=33)	CM35 Y=256, 258 CM51 Y=33
		1	To reject the call termination	
		2	To terminate the D ^{term} with unusual LED indication (assigned by CM35 Y=258)	
		3◀	To terminate as usual	
258	Distinctive LED indication on D ^{term} for incoming call with no CLI [Series 3600]	0	Green (120 IPM)	CM35 Y=32, 255, 257
		1◀	Red (120 IPM)	
NOTE: This command is effective on the following conditions.				
<ul style="list-style-type: none"> • CM35 Y=32 is set to 1. • CM35 Y=255, 257 are set to 0 or 2, and D^{term} receives the incoming call. 				
265	Screening Indicator (ISDN Calling party number) [Series 3500]	3 NONE◀	Network provided No data	
266	Relay of the ALERT message to the calling party in tandem connection (ISDN to ISDN) [Series 3600]	0	To provide	CM35 Y=233
		1◀	Not provided	
NOTE 1: This command should be set to both incoming trunk route and outgoing trunk route of tandem office.				
NOTE 2: 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".				
<ul style="list-style-type: none"> • RBT is sent when the calling party is idle. • BT is sent when the calling party is busy. 				
NOTE 3: Set the second data 0 to the incoming and forwarding trunk route of Mobility Access.				

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COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
272	Progress Description by Overlap Receiving-Q-SIG [Russia Only] [Series 3600]	1 2 4 8 15◀	Progress Description 1 2 Progress Description 4 Progress Description 8 No data	CM35 Y=244
<p>NOTE 1: This command is effective when the second data of CM35 Y=244 is set to "0".</p> <p>NOTE 2: This command should be assigned to incoming trunk route.</p>				
273	Sending the called party number to outgoing trunk route before receiving all digits of the called party number in tandem connec- tion (Q-SIG to Q-SIG) [Russia Only] [Series 3600]	0 1◀	To send Not sent	
<p>NOTE: This command should be assigned to incoming trunk route of tandem office.</p>				
276	ISDN Alternative Routing for Remote PIM in survival mode when receiving trunk call [Series 3700 R12.2]	0 1◀	Allow Restricted	
277	Call Completion to Busy Subscriber (CCBS) for a call originating office [For EU] [Series 3700 R12.2]	0 1◀	Allow Restricted	
278	Call Completion to Busy Subscriber (CCBS) for a call termination office [For EU] [Series 3700 R12.2]	0 1◀	Allow Restricted	

Continued on next page

COMMAND CODE		TITLE:		
35		TRUNK ROUTE DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
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 [Series 3800]	0 2 7 NONE◀	Pattern No. 0 2 Pattern No. 7 No data	CM50 Y=11
281	Calling party number relaying in ISDN to ISDN/CCIS to ISDN connection (for incoming trunk route) [For EU] [Series 3800]	0 3◀	To provide Not provided	CM35 Y=282
<p>NOTE 1: This command must be set for incoming trunk route.</p> <p>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.</p>				
282	Calling party number relaying in ISDN to ISDN/CCIS to ISDN connection (for outgoing trunk route) [For EU] [Series 3800]	0 3◀	To provide Not provided	CM35 Y=281
<p>NOTE 1: This command must be set for outgoing trunk route.</p> <p>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.</p>				
283	TEI (Terminal Endpoint Identifier) assignment for ISDN terminals (BRT INITIAL) [Series 3800]	0 1◀	Automatic TEI assignment (TEI=64-126) Non-Automatic TEI assignment (TEI=0)	CM35 Y=79
<p>NOTE: Automatic TEI assignment (second data 0) is effective only when CM35 Y=79 is set to 1 (Point-to-Multipoint).</p>				

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
284	Mobility Access Prefix [For EU] [Series 3900]	0 1 7◀	To provide (When receiving Country Code assigned by CM35 Y=224 and Area Code assigned by CM35 Y=225) To provide (When not receiving Country Code assigned by CM35 Y=224 and Area Code assigned by CM35 Y=225) Not provided	CM35 Y=224, 225 CM50 Y=12
286	Registering a fault information when a long call duration of trunk call occurs [Series 3900]	0 1◀	Not registered To register	CM42>182 CMEA Y=2>4A, 4B
999	Returning all trunk route data to default settings [Series 3400]	<p>NOTE 1: All trunk route data by CM35 set to each trunk route will return to default settings if this command is used.</p> <p>NOTE 2: This data is effective also when the system is under on-line mode.</p>		

COMMAND CODE	TITLE:
36	RESTRICTION DATA FOR TANDEM CONNECTION

FUNCTION:

This command is used to define restriction data for tandem connection within a system, for each combination of an incoming trunk route and an outgoing trunk route.

PRECAUTION:

Any incoming trunk route assigned to “No release signal” in CM35 Y=05, is restricted from tandem connection.

ASSIGNMENT PROCEDURE:

ST + 36Y + DE + INCOMING TRUNK ROUTE (2 digits) + OUTGOING TRUNK ROUTE (2 digits) + DE + DATA (0/1) + EXE

DATA TABLE:

◀: Initial Data

Y	INCOMING TRUNK ROUTE	OUTGOING TRUNK ROUTE	SETTING DATA	RELATED COMMAND
0	00 ? 63	00 ? 63	0 1◀	Allow Restricted CM35 Y=05

COMMAND CODE	TITLE:
38	AMP TRUNK CONTROL

FUNCTION:

This command is used to define the AMP trunk control data.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 38YY + [DE] + INCOMING/OUTGOING TRUNK ROUTE or AMP PATTERN NUMBER (4 digits or 2 digits) + [DE]
 + DATA (1-2 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y	INCOMING/OUTGOING TRUNK ROUTE No. / AMP PATTERN No.	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00	XX ZZ XX: Incoming trunk route No. ZZ: Outgoing trunk route No.	00	AMP pattern number 00	
		?	?	
		14	AMP pattern number 14	
		15◀	Not use the AMP trunk	

Continued on next page

COMMAND CODE	TITLE: AMP TRUNK CONTROL
38	

◀: Initial Data

Y	INCOMING/OUTGOING TRUNK ROUTE No. AMP PATTERN No.	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
01	AMP pattern number 00 ? AMP pattern number 14	X Z	Assignment of Gain value X: AGC (Automatic Gain Control) 0 : 0 dbr 1 : + 4 dbr 2 : - 4 dbr 3◀: Through (Assigned by Fixed Gain) Z: Fixed Gain 0 : 12 dB 1 : 8 dB 2 : 4 dB 3◀: 0 dB	
02		0 1◀	Echo Canceller function Through Normal	
03		0 1◀	Echo Canceller Gain Controller ON OFF	
04		0 1◀	Mode selection of Tone Disabler G164 G165	
05		0 1◀	Detect time of Tone Disabler 0 second 2 seconds	
06		0 1◀	Channel to be connected [Incoming Route: Tie Line Outgoing Route: C.O. Line [Incoming Route: C.O. Line Outgoing Route: Tie Line	
07		0 1◀	Timing of AMP trunk connection When dialing is finished When answering NOTE: <i>The data 0 is effective except ISDN and CCIS trunks.</i>	

COMMAND CODE	TITLE:
40	FUNCTION OF MP RS-232C PORT

FUNCTION:

This command is used to assign the function of the RS-232C ports on the MP card.

The MP card has two RS-232C ports, which are used for the following purpose.

PORT LOCATION NUMBER	PURPOSE	CONNECTOR
Port 0	Built-in SMDR Local MAT MCI	RS0 connector on the MP card
Port 1	Remote Maintenance using external modem or built-in modem of MP card Built-in SMDR MCI	RS1 connector on the MP card

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 40YY + DE + PORT LOCATION NUMBER (0/1) + DE + DATA (1-8 digits) + EXE

COMMAND CODE		TITLE:				
40		MP RS-232C PORT				
DATA TABLE:						
MP RS-232C port for MAT/VoIP Log Collection						
◀: Initial Data						
Y		PORT LOCATION NUMBER		SETTING DATA		REMARKS
No.	MEANING			DATA	MEANING	
00	Function	0	Port 0	08	VoIP log collection	
		1	Port 1	19	MP-FP Command Output [Series 3500] [Series 3700 R12.2]	
				NONE ◀	No data	
01	Data length	0	Port 0	0	7 bit	NOTE 1
		1	Port 1	1 ◀	8 bit	
02	Parity check	0	Port 0	0	Effective	NOTE 1
		1	Port 1	1 ◀	Ineffective	
03	Kind of parity	0	Port 0	0	Even parity	NOTE 1
		1	Port 1	1 ◀	Odd parity	
04	Stop bit	0	Port 0	0	1-Stop bit	NOTE 1
		1	Port 1	1 ◀	2-Stop bit	
05	DTR signal sent to terminal	0	Port 0	0	Low	NOTE 1
		1	Port 1	1 ◀	High	
06	RTS signal sent to terminal	0	Port 0	0	Low	NOTE 1
		1	Port 1	1 ◀	High	
08	Data speed	0	Port 0	1	1200 bps	NOTE 2
		1	Port 1	2	2400 bps	
				3	4800 bps	
				4	9600 bps	
				5	19200 bps	
				NONE ◀	9600 bps	

NOTE 1: When using MP RS-232C port for MAT, set the initial data to CM40 Y=01-06.

NOTE 2: When you communicate with the modem of PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B, be sure to set the data speed of RS1 port as 4800 bps or more. (1200 bps and 2400 bps are not available.)

COMMAND CODE	TITLE:
40	MP BUILT-IN MODEM

MP Built-In Modem

◀: Initial Data

Y		PORT LOCATION NUMBER		SETTING DATA		REMARKS
No.	MEANING			DATA	MEANING	
10	Station number of built-in modem	1	Port 1	X ? XXXXXXXXX NONE ◀	Station No. X: 0-9, A (*), B (#) No data	NOTE 1 NOTE 2 NOTE 3

NOTE 1: Station number must be an unassigned number by either CM10/CM14 or CM11.

NOTE 2: CM40 Y=10 is effective for Port 1 only.

NOTE 3: 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: MP BUILT-IN SMDR/MCI
40	

MP Built-in SMDR/MCI

◀: Initial Data

Y		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
00	Function	0	Port 0	10	MCI
		1	Port 1	11	MCI and MP Built-in SMDR
				14	Built-in SMDR NOTE 1
				NONE◀	No data
01	Data length	0	Port 0	0	7 bit
		1	Port 1	1◀	8 bit
02	Parity check	0	Port 0	0	Effective
		1	Port 1	1◀	Ineffective
03	Kind of parity	0	Port 0	0	Even parity
		1	Port 1	1◀	Odd parity
04	Stop bit	0	Port 0	0	1-Stop bit
		1	Port 1	1◀	2-Stop bit
05	DTR signal sent to terminal	0	Port 0	0	Low
		1	Port 1	1◀	High
06	RTS signal sent to terminal	0	Port 0	0	Low
		1	Port 1	1◀	High
08	Data speed	0	Port 0	1	1200 bps
		1	Port 1	2	2400 bps
				3	4800 bps
				4	9600 bps
				5	19200 bps
				NONE◀	9600 bps
13	DRS signal sent to terminal NOTE 2	0	Port 0	0	High
		1	Port 1	1◀	Low

NOTE 1: CM40 Y=00>14 should not be assigned when using Built-in SMDR in Local Office of Centralized Billing-CCIS.

NOTE 2: This data should be set to "0" for downloading soft key information from NEAXMail AD-8/NEAXMail IM-16 to MP.

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

FUNCTION:

This command is used to assign the System Timer data.

PRECAUTION:

Initial Data in the DATA TABLE represent the timing for the data "NONE".

ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 41\text{Y} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{EXE}}$$

DATA TABLE:

Y=0

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	00	Attendant Recall for Ring Transfer, Camp-On, and unanswered call	31.2 ∩ 33.6 seconds	01 02 03 04 05 06.....13 14	2.4 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		
0	01	Elapsed time before Call Forwarding-Don't Answer (No Answer) for trunk incoming call/Auto-matic Change of Night Service (Attendant Overflow)/Group Diversion/Direct-In Termination	32 ∩ 36 seconds	28.8 38.4 48.0 57.6 67.2..... 115.2 ∩ ∩ ∩ ∩ ∩ ∩ ∩ ∩	9.6 seconds	
				38.4 48.0 57.6 67.2 76.8..... 124.8		
				01 02 03 04 05 06.....29 30		
				0 4 8 12 16 20.....112 116 ∩ ∩ ∩ ∩ ∩ ∩ ∩ ∩		
0	02	Path on delay/single-line toll restrict defeat guard timer	1040 ms.	4 8 12 16 20 24.....116 120	4 seconds	
				NOTE: For the timer of the second call forwarding, see CM41 Y=0>46.		
0	02	Path on delay/single-line toll restrict defeat guard timer	1040 ms.	01 02 0314	80 ms.	
				80 160 2401120		

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COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	03	Timing for Pseudo-Answer signal sent to SMDR	20 ∟ 24 seconds	00 01 02 03 04 05 06 07 08 4 8 12 16 20 24 28 32 36 ∟ ∟ ∟ ∟ ∟ ∟ ∟ ∟ 8 12 16 20 24 28 32 36 40	4 seconds	
	04	Guard Timing of trunk release	0.96 ∟ 1.44 seconds	01 02 03 04 05 06.....13 14 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	0.48 seconds	
	05	Recall Timing for Non-exclusive Hold/ Call Park	60 ∟ 64 seconds	01 02 03 .....98 99 0 4 8 .....388 ∟ ∟ ∟∟ 4 8 12 .....392 NOTE: When timer data 99 is assigned, the call is not recalled.	4 seconds	
	06	Recall Timing for Exclusive Hold/ Remote Hold	236 ∟ 240 seconds	01 02 03 04 05 06.....98 99 0 4 8 12 16 20.....388 ∟ ∟ ∟ ∟ ∟ ∟∟ 4 8 12 16 20 24.....392 NOTE: When timer data 99 is assigned, the call is not recalled.	4 seconds	
	07	Recall Timing after station release for call transfer	24 ∟ 28 seconds	01 02 03 04 05 06.....29 30 0 4 8 12 16 20.....112 116 ∟ ∟ ∟ ∟ ∟ ∟∟ ∟ 4 8 12 16 20 24.....116 120	4 seconds	
	09	Periodic Time Indication Tone	192 ∟ 196 seconds	01 02 03 04 05 06.....16 17 32 64 96 128 160 192.....512 544 ∟ ∟ ∟ ∟ ∟ ∟∟ ∟ 36 68 100 132 164 196.....516 548	32 seconds	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	11	Attendant Recall of held call	31.2 ∟ 33.6 seconds	01 02 03 04 05 06.....13 14	2.4 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		
	13	Single digit dialing time-out (Timing Start)	4 ∟ 5 seconds	03 04 05 06 07 08	1 second	
				2 3 4 5 6 7 ∟ ∟ ∟ ∟ ∟ ∟ 3 4 5 6 7 8		
	14	DTMF signal width of Out Pulse-Long from Attendant Console	512 ms.	01 02 03 04 05 06.....50	64 ms.	
				64 128 192 256 320 384.....3200		
	15	Elapsed time before Call Forwarding-Don't Answer (No Answer) for internal call and assisted call	32 ∟ 36 seconds	01 02 03 04 05 06.....29 30	4 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 .						
16	Unanswered timing for ACD/UCD Delay Announcement and Attendant Delay Announcement	32 ∟ 36 seconds	01 02 03 .....30	4 seconds		
			0 4 8 .....116 ∟ ∟ ∟ ∟ ∟ ∟ ∟ ∟			
	Maximum ACD/UCD call waiting time before either answer or abandonment for PEG count	32 ∟ 36 seconds	01 02 0330			
			0 4 8116 ∟ ∟ ∟ ∟ ∟ ∟ ∟ ∟			

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	20	Automatic Cancel Time for unanswered Paging call	300 seconds	01 02 03 04 05 06.....14 15	60 seconds	
				60 120 180 240 300 360.....840 900		
	22	Reorder tone time-out to enter Line Lockout or Off Hook Alarm	28 ∩ 32 seconds	01 02 03 04 05 06 07 08	4 seconds	
				0 4 8 12 16 20 24 28		
				∩ ∩ ∩ ∩ ∩ ∩ ∩ ∩		
				4 8 12 16 20 24 28 32		
	23	Ringing duration of Automatic Wake-Up/ Timed Reminder call	28 ∩ 32 seconds	02 03 04 05 06 07 08.....14	4 seconds	
				4 8 12 16 20 24 28.....52		
				∩ ∩ ∩ ∩ ∩ ∩ ∩ ∩		
				8 12 16 20 24 28 32.....56		
26	Automatic Recall Timing of Camp-On	24 ∩ 32 seconds	01 02 03 04 05 .....15	8 seconds		
			8 16 24 32 40 .....120			
			∩ ∩ ∩ ∩ ∩			
			16 24 32 40 48.....128			
27	Interdigit Pause on outgoing call	7 seconds	03 04 05 06 07 .....14	1 second		
			3 4 5 6 7 .....14			
33	Duration of music connection before DT connection in Auto- mated Attendant	16 ∩ 24 seconds	01 02 03 04 05 .....15	4 seconds		
			0 4 8 12 16 .....56			
			∩ ∩ ∩ ∩ ∩			
			4 8 12 16 20 .....60			
34	Timing before unan- swered Automated Attendant call for- wards	32 ∩ 36 seconds	01 02 03 04 .....30	4 seconds		
			0 4 8 12 .....116			
			∩ ∩ ∩ ∩			
			4 8 12 16120			
35	Number of call attempts by Timed Queue	3 times	01 02 0307	1 time		
			1 2 37			

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COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT	
				TIMER			
0	36	Interval Time between attempts for Timed Queue	120	11 12 13	31	4 seconds	
			∟	44 48 52	120		
			124 seconds	∟ ∟ ∟	∟		
	37	Duration of call by Timed Queue	28	05 06	31	4 seconds	
			∟	16 20	120		
			32 seconds	∟ ∟	∟		
	38	Programmable Pause for Speed Calling-System (System Speed Dialing)/Speed Calling-Station (Station Speed Dialing)	1.5 seconds	00 01 02 03 04 05 06 07			1.5 seconds
				1.5 3.0 4.5 6.0 7.5 9.0 10.5 12.0			
			NOTE: <i>This pause is available by setting "D" in CM72, CM74.</i>				
39	Timing of unanswered call after forwarding to predetermined station in Automated Attendant	32	01 02	30	4 seconds		
		∟	0 4	116			
		36 seconds	∟ ∟	∟			
41	PBX Dial In ORT Timer before receiving any digit	5	01 02 03	15	1 second		
		∟	0 1 2	14			
		6 seconds	∟ ∟ ∟	∟			
42	Timing of Call Forwarding by Overflow for TAS Queue	28	01 02	99	4 seconds		
		∟	0 4	392			
		32 seconds	∟ ∟	∟			
43	Dial Tone timeout in Automated Attendant	14 seconds	01 02 03	14	1 second		
			1 2 3	14			

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA								INCREMENT UNIT
				TIMER								
0	44	Prepause Timer for VMS	1 second	00 01 02 03 04 05 06 07 08								1 second (01-12) -0.5 seconds (13)
				0 1 2 3 4 5 6 7 8								
				09 10 11 12 13								
				9 10 11 12 0.5								
	45	Announcement Service Timer	60 ∟ 64 seconds	01 02 99								4 seconds
				0 4 392								
				∟ ∟ ∟								
				4 8 396								
	46	Timing of Multiple Call Forwarding Don't Answer (No Answer) after second forwarding	32 ∟ 36 seconds	01 02 03 .....29 30								4 seconds
				0 4 8 .....112 116								
∟ ∟ ∟ ∟ ∟												
4 8 12 .....116 120												
47	Interval Time of ACD/UCD Delay Announcement/Attendant Delay Announcement	32 ∟ 36 seconds	01 02 30								4 seconds	
			0 4 .....116									
			∟ ∟ ∟									
			4 8 120									
48	DTMF Signal Width for VMS	128 ms.	01 02							64 ms.		
			64 128									
49	DTMF Interdigit Pause for VMS	160 ms.	01 02 03 04 05 06 07 08						32 ms. (01-02) 16 ms. (03-04) 20 ms. (04-05) 40 ms. (05-08)			
			32 64 80 100 120 160 200 240									

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COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	50	Timing Start when making ISDN call from station	10 seconds	03 04 05	14	1 second
				3 4 5	14	
	51	Message Replay Timer for Automated Attendant	64 ∟ 68 seconds	01 02 03	31	4 seconds
				4 8 12	124	
				∟ ∟ ∟	∟	
			8 12 16	128		
			NOTE: <i>In case that the recording time of Digital Announcement Trunk is shorter than the time assigned by command (CM41Y=0>51), Digital Announcement Trunk will be released when the message reply is finished (The message reply will not be repeated).</i>			
	52	Message Replay Timer for Automatic Wake Up/Timed Reminder	60 ∟ 64 seconds	01 02 03	99	4 seconds
				0 4 8	392	
				∟ ∟ ∟	∟	
				4 8 12	396	
	53	Message Replay Timer for Announcement Service	60 ∟ 64 seconds	01 02 03	99	4 seconds
				0 4 8	392	
				∟ ∟ ∟	∟	
				4 8 12	396	
	54	Forced release timing for tandem connection	96 ∟ 128 minutes	01 02 03	06	32 minutes
				32 64 96	192	
				∟ ∟ ∟	∟	
				64 96 128	224	
			NOTE: <i>With this timing, the tandem connection is released, unless the incoming trunk does not receive the release signal.</i>			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	55	Forced release timing for unanswered call with tandem connection or trunk to trunk connection when a station holds another station/trunk	20 ∟ 24 seconds	01 02 03 04 13	4 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.					
	56	Message replay timer/ tone sending timer in the OAI terminal mode	20 ∟ 24 seconds	01 02 03 99	4 seconds	
				0 4 8 392		
∟ ∟ ∟ ∟ ∟ 4 8 12 396						
57	Timing Start when making an ISDN Tandem call	10 seconds	03 04 05 14	1 second		
			3 4 5 14			
58	Preservation time for a message set by Voice Message Waiting Service-Individual	7 days	01 02 03 31	1 day		
			1 2 3 31			
NOTE: Voice Message Waiting Service-Individual All Clear clears messages exceeding the term.						
59	Time before answering by Automated Attendant	4 ∟ 8 seconds	00 01 02 08	4 seconds		
			0.5 4 28			
			0 ∟ ∟ ∟ 4 8 32			
60	Status Change Rebound Guard Timer	1120 ∟ 1200 ms.	00 01 02 40	80 ms.		
			0 80 160 3200			
			∟ ∟ ∟ ∟ 80 160 240 3280			
61	Path On Delay timer when answering incoming trunk call	320 ∟ 480 ms.	01 02 03 14	160 ms.		
			0 160 320 2080			
			∟ ∟ ∟ ∟ 160 320 480 2240			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	62	SST Sending Timer when accessing Paging Trunk	1440 ∟ 1920 ms.	01 02 03 14 0 480 960 6240 ∟ ∟ ∟ ∟ 480 960 1140 6720	480 ms.	
	63	Time Out Check when detecting ORT	1360 ∟ 1440 ms.	00 01 02 03 30 No 0 80 60 2320 ∟ ∟ ∟ ∟ Check 80 160 240 2400	80 ms.	
	64	ORT Timer when accessing trunk	14 seconds	01 02 03 09 14 28 42 126	14 seconds	
	65	OAI SCF Ringing Timer	12 ∟ 16 seconds	01 02 99 0 4 392 ∟ ∟ ∟ 4 8 396	4 seconds	
	66	Message duration of UCD Overflow Announcement	60 ∟ 64 seconds	01 02 99 0 4 392 ∟ ∟ ∟ 4 8 396	4 seconds	
	67	UCD Delay Announcement/ Attendant Delay Announcement/OAI Announcement Connection Timer	8 ∟ 12 seconds	01 02 03 32 0 4 8 124 ∟ ∟ ∟ ∟ 4 8 12 128	4 seconds	
	69	Recall interval timer of MP built-in modem	304 seconds	45 46 99 180 184 396	4 seconds	
	75	Message duration for Announcement Service-PS/WLAN Terminal No Answer/PS Busy	116 ∟ 120 seconds	01 02 99	4 seconds	

Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	81	Overlap Sending Mode timer for ISDN terminal	6	03 04 05	60	1 second
			∩	2 3 4	59	
			7	∩ ∩ ∩	∩	
			seconds	3 4 5	60	
	84	Message duration for Announcement Service-PS/WLAN Terminal Out of Cell (Zone)/PS/WLAN Terminal Power Off	116	01 02	99	4 seconds
∩			0 4	392		
120			∩ ∩	∩		
seconds			4 8	396		
			NOTE: Effective only when CM08>086: 0.			
85	Message reply timer for PS/WLAN Terminal Out of Cell (Zone)/PS/WLAN Terminal Power Off	8	01 02	99	4 seconds	
		∩	0 4	392		
		12	∩ ∩	∩		
		seconds	4 8	396		
			NOTE: Effective only when CM08>086: 0.			
86	Message reply timer for PS/WLAN Terminal No Answer	36	01 02	99	4 seconds	
		∩	0 4	392		
		40	∩ ∩	∩		
		seconds	4 8	396		
			NOTE: Effective only when CM08>085 and 086: 0.			
87	Event Based CCIS Virtual Tie Line Release Timer for Voice Channel	3 minutes	02 30 32 70 72.....	99	2.4 seconds (02-30)	
			2.4 69.6		24 seconds (32-70)	
			∩ ∩ 24 936 1 minute.....	28 minutes	1 minute (72-99)	
			4.8 72.0			
89	Event Based CCIS Virtual Tie Line Release Timer for Common Signaling Channel	3 minutes	02 30 32 70 72.....	99	2.4 seconds (02-30)	
			2.4 69.6		24 seconds (32-70)	
			∩ ∩ 24 936 1 minute.....	28 minutes	1 minute (72-99)	
			4.8 72.0			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	95	Simultaneous Paging Timer for Group Call-Automatic Conference (6/10 party)	32 ∅ 36 seconds	01 02 99	4 seconds	
				0 4 392		
				∅ ∅ ∅		
				4 8 396		
	97	Timer of Dial Tone sending after Off-Hook	14 seconds	05 06 07 30	1 second	
5 6 7 30						
98	Retry timer of Fault Kind sending to 2400 IPX MAT	32 ∅ 36 seconds	01 02 99	4 seconds		
			0 4 392			
			∅ ∅ ∅			
			4 8 396			
100	Elapsed time before Call Forwarding-Don't Answer (No Answer) for trunk incoming call [Series 3100]	32 ∅ 36 seconds	01 02 03 04 05 06.....29 30	4 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 <i>CM41 Y=0>46</i> .			
101	Elapsed time before Call Forwarding-Don't Answer (No Answer) for internal call and assisted call [Series 3100]	32 ∅ 36 seconds	01 02 03 04 05 06.....29 30	4 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 <i>CM41 Y=0>46</i> .			
102	Call Forwarding-Logout (D ^{term} IP) Announcement Timer [Series 3100]	116 ∅ 120 seconds	01 02 99	4 seconds		
			0 4 392			
			∅ ∅ ∅			
			4 8 396			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
0	104	ORT timer when establishing tandem connection to CCIS/SIP [Series 3200 R6.2 (R6.2)]	7 seconds	03 04 05 99 3 4 5 99 NOTE: Assign the value which exceeds the maximum value of timer set by CMA7 Y=10.	1 second
	105	SPDT Timer after Hooking	15 seconds	10 11 12 60 10 11 12 60	1 second
	106	DTMF signal width on system basis [Series 3300]	160 ms.	04 05 06 15 64 80 96 240	16 ms.
	107	Inter-digit Pause on system basis [Series 3300]	NONE	01 02 03 04 05 06 07 64 80 96 128 160 192 240	16/32/48 ms.
	108	Timing until IP network between Main Site and Remote Site is reconnected [Series 3300]	NONE	00 01 02 99 0 1 2 99	1 second
	109	ORT timer for ETSI ISDN Overlap Receiving [Series 3300]	6 seconds	03 04 05 99 3 4 5 99	1 second
	110	Timing until sending the reverse signal to the calling PS Station for connecting the line [Series 3300]	NONE	01 02 03 99 4 8 12 396	4 seconds
	111	ORT timer when sending LCR [Series 3300]	7 seconds	02 03 04 15 2 3 4 15 NOTE: Second data "02" is available for Series 3600 or later.	1 second

Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
0	112	ORT timer/T302 timer for Overlap Receiving-Q-SIG [For EU] [Series 3400]	6 seconds	03 04 05 99	1 second	
				3 4 5 99		
	114	Timer A of warning SST sending for forced release [Series 3500]	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 [Series 3500]	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 [Series 3500]	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 [Series 3500]	99 seconds	01 02 03 99	1 second		
			1 2 3 99 NOTE: Effective only when CM35 Y=250: 0.			
119	Delayed Hotline activation timer [Series 3700 R12.2]	10 seconds	01 02 03 30	1 second		
			1 2 3 30			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
0	120	Forced release timer when the Paging Trunk is not released after seizing the trunk [Series 3700 R12.2]	180 seconds	00 02 03 99	4 seconds
				0 4 8 396	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y=1

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
1	00	Off-Hook Detect Timer	256 ms.	01 02 03 15	128 ms.
				128 256 384 1920	
	01	DP Telephone On Hook Detect Timer	1024 ∟ 1216 ms.	03 04 05 06 07 08 15	128 ms.
				384 512 640 768 896 1024 1920	
				∟ ∟ ∟ ∟ ∟ ∟ 576 704 832 960 10881216 .....2118	
	02	PB Telephone On Hook Detect Timer	1024 ∟ 1216 ms.	03 04 05 06 07 08 15	128 ms.
				384 512 640 768 896 1024 1920	
				∟ ∟ ∟ ∟ ∟ ∟ 576 704 832 960 10881216 .....2118	
	03	DP Telephone Hook-flash Breaker Timer	384 ms.	01 02 03 16	128 ms.
				384 512 640 2304	
	04	PB Telephone Hook-flash Break Timer	384 ms.	01 02 03 16	128 ms.
384 512 640 2306					
05	Hookflash Make Timer	128 ms.	01 02 03 15	128 ms.	
			128 256 384 1920		
06	Maximum Dial Break Timer	256 ms.	01 02 03 15	32 ms.	
			64 96 128 480		
07	Dial Interdigit Pause Timer	256 ms.	01 02 03	64 ms.	
			64 128 192		
08	Momentary Open/Reverse Timer	256 ∟ 384 ms.	01 02 03 10	128 ms.	
			128 256 384 1280		
			∟ ∟ ∟ 256 384 512 1408		
09	Delayed Ringing Timer	10 seconds	01 02 03 10	2 seconds	
			2 4 6 20		

Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y=2

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
2	00	COT Ringing Detect Timer	256 λ 288 ms.	06 07 08 09..... 10	32 ms.
				160 192 224 256..... 288 λ λ λ λ	
				192 224 256 288..... 320	
	01	LD Trunk Termination Detect Timer	32 λ 64 ms.	01 02 15	32 ms.
				0 32 448 λ λ	
				32 64 480	
	02	OD Trunk Termination Detect Timer	32 λ 64 ms.	01 02 15	32 ms.
				0 32 448 λ λ	
				32 64 480	
03	COT Trunk Release Detect Timer	512 ms.	01 02 03 15	128 ms.	
			128 256 384 1920		
04	LD Trunk Release Detect Timer	128 ms.	01 02 03 15	128 ms.	
			128 256 384 1920		
05	OD Trunk Release Detect Timer	128 ms.	01 02 03 15	128 ms.	
			128 256 384 1920		
06	COT Answer Signal Detect Timer	512 ms.	01 02 03 99	32 ms.	
			32 64 96 3168		
07	LD Trunk Answer Detect Timer	480 λ 512 ms.	01 02 99	32 ms.	
			32 64 3168 λ λ		
			64 96 3200		
08	OD Trunk Answer Detect Timer	480 λ 512 ms.	01 02 99	32 ms.	
			32 64 3168 λ λ		
			64 96 3200		

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
2	09	Incoming Ring Down Abandoning Detect Timer	4096 ms.	01 02 03..... 15	512 ms.	512 1024 1536 7680
	10	COT Re-termination Detect Guard Timer	256 ? 512 ms.	01 02 03 15	256 ms.	0 256 512 3584
				? ? ?		? 256 512 768 3840
	11	Ground Detect Timer	256 ? 320 ms.	01 02 03 04 05..... 15	64 ms.	64 128 192 256 320..... 960
				? ? ? ? ?		? 128 192 256 320 384..... 1024
	12	LDT/ODT Wink signal sending time for connection check	160 ms.	01 02 03 15	32 ms.	32 64 96 480
	17	Hook flash sending timer from COT	576 ? 640 ms.	02 03 04 30	64 ms.	64 128 192 1856
? ? ?				? 128 192 256 1920		
21	Metering Pulse (12 kHz, 50 Hz) Detect Timer [Australia Only]	448 ms.	01 02 14	32 ms.	32 64 448	
23	AT&T 5 ESS Floating Battery Guard Timer for COT	2048 ms.	01 02 03 99	128 ms.	128 256 384 12672	
24	AT&T 5 ESS Floating Battery Guard Timer for LD	2048 ms.	01 02 03 99	128 ms.	128 256 384 12672	
25	Loop Momentary Open Guard Timer for COT Loop Start outgoing connection	1280 ms.	128 256 384 12672	128 ms.	128 256 384 12672	



Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA			INCREMENT UNIT
				TIMER			
2	28	Release Detect Timer for outgoing Loop Start trunk	256 ms.	00 01 02 99	128 ms.	128 256 384 12672	
	29	Release Detect Timer for outgoing Ground Start trunk	0 ms.	00 01 02 99	128 ms.	0 128 256 12672	
	31	Loop on Delay for outgoing Ground Start trunks	640 ? 704 ms.	01 02 03 99	64 ms.	256 320 384 6528	
? ? ?				? ? ?			
320 384 448 6592							
37	Ground Detect Guard Timer	0 ms.	01 02 03	64 ms.	64 128 192		
			? ? ?		128 192 256		
38	Timer of trunk release detection by momentary reverse from C.O. (Busy tone detection box) [Not used in Australia/North America]	320 ? 384 ms.	00 01 02 99	64 ms.	128 192 256 6464		
			? ? ?		? ? ?		
			192 256 320 6528				

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
2	40	Main PBX (Centrex) Ringing Distinction Timer	1280	01 02 15	128 ms.
			? 1408 ms.	0 128 1792 ? ? ? 128 256 1920	
<ul style="list-style-type: none"> • When Immediate Ringing is sent from the main PBX or Centrex, CM41 Y=2>40 plus CM41 Y=2>41 must be assigned as longer time than the time assigned by CM41 Y=2>00. • When Immediate Ringing is not sent from the main PBX or Centrex, CM41 Y=2>40 must be assigned as longer time than the time assigned by CM41 Y=2>00. • Check the main PBX or Centrex ringer cycle and set as shown below. 					
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Main PBX Ringing (Station termination)</p>  </div> <div style="margin-right: 20px;"> <p>Main PBX Ringing (C.O. termination)</p>  </div> </div>					
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> B seconds < CM41 Y=2>40 setting time < A seconds </div>					
<ul style="list-style-type: none"> • When the gap between the main PBX station terminating ringer and C.O. line terminating ringer is under 200 ms., distinction may be incomplete. 					
2	41	Immediate Ringing Guard Time in Centrex system Distinctive Tone Function	384	00 01 02 99	128 ms.
			? 512 ms.	0 0 03 12544 ? ? ? 128 256 12672	
<p>NOTE: When Immediate Ringing is not provided on main PBX, be sure to set CM41 Y=2>41 to 00.</p>					

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y=3

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
3	00	Release Signal Detect Timing on DTI trunk	128 ms.	01 02 15	64 ms.
				64 128 960	
				NOTE: <i>If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</i>	
	01	Answer Signal Detect Timing on DTI trunk	128 ms.	01 02 03 04..... 15	32 ms.
32 64 96 128..... 480					
			NOTE: <i>If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</i>		
02	Wink Signal width on DTI trunk	128 ms.	01 02 03 04..... 15	32 ms.	
			32 64 96 128..... 480		
			NOTE: <i>If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</i>		
03	Wink/Delay Signal Timer out	7 seconds	01 02 07..... 15	1 second	
			1 2 7..... 15		
			NOTE: <i>If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</i>		

Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA	INCREMENT UNIT
				TIMER	
3	04	Ring Signal Detect Timing for DTI trunk	192 ms.	01 02 03 15	32 ms.
				32 64 96 480	
				NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.	
	05	Release Signal Detect Timing for C.O. trunk	512 ms.	01 02 03 15	64 ms.
				64 128 192 960	
			NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.		
06	Answer Signal Detect Timing for DTI trunk	576 ms.	01 02 03 15	64 ms.	
			64 128 192 960		
			NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.		
07	Ring Signal Detect Timing for DTI trunk	7168 ms.	01 02 03 15	512 ms.	
			512 1024 1536 7680		
			NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.		
08	Guard Timing for DTI trunk release	512 ms.	01 02 03 15	128 ms.	
			128 256 384 1920		
			NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.		

Continued on next page

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
3	09	Hook flash Send Timing for DTI trunk	640 ms.	01 02 03..... 15	960	64 ms.
				64 128 192.....		
	<p>NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</p>					
	10	Ground Start Release (Loop Off) Detect Timing for DTI Trunk	384 ms.	01 02 03..... 15	960	64 ms.
				64 128 192.....		
	<p>NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</p>					
11	Ground Start Release (Ground Off) Detect Timing for DTI Trunk	384 ms.	01 02 03..... 15	960	64 ms.	
			64 128 192.....			
<p>NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</p>						
12	Ground Start (Return Ground) Detect Timing for DTI Trunk	7 seconds	01 02 03..... 15	15	1 second	
			1 2 3.....			
<p>NOTE: If CM35 Y=09 is set to "03", "04", "05" or "06", use CM41 Y=3>00-03. If CM35 Y=09 is set to "01" or "15", use CM41 Y=3>04-12.</p>						
13	Hook flash sending timer from DTI	2048 ms.	01 02 03 04..... 16 30	3840	128 ms.	
			128 256 384 512..... 2048 3840			
14	Process of Metering Signal Detect [Australia/Argentina]	NONE (Process 1)	00: Process 1 (for Australia) 01: Process 2 (for Argentina)			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	INITIAL DATA	2ND DATA		INCREMENT UNIT
				TIMER		
3	15	Metering Signal Detect timing on DTI trunk [Australia/Argentina]	160 ms.	01 02 05..... 15	32 64 160..... 480	32 ms.
	16	No-Answer detect timing on 32-Party Conference	30 seconds	00 01 02..... 14 15	NOTE 2 1 2..... 14 30 seconds	1 minute (01-14)
	<p>NOTE 1: Ringing is stopped when the participant does not answer within the time set by this data.</p> <p>NOTE 2: If the 2nd data is set to "00", the ringing will continue until the participant answers.</p>					
17	Forced release timer for 8/32-Party Conference	7 hours	00 01 02..... 23 24	NOTE 2 1 2..... 23 24	<p>NOTE 1: This command is effective only when PN-CFTC-A card is used.</p> <p>NOTE 2: If the 2nd data is set to "00", the Forced Release Timer doesn't work.</p>	1 hour

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION/CODEC LIST
<p>FUNCTION:</p> <p>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.</p>	
<p>PRECAUTION:</p> <p>None</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p> $\boxed{\text{ST}} + 42 + \boxed{\text{DE}} + \begin{array}{l} \text{KIND OF SYSTEM} \\ \text{COUNTER} \\ \text{(2 digits)} \end{array} / \begin{array}{l} \text{PAD DATA} \\ \text{PATTERNS} \\ \text{(2 digits)} \end{array} / \begin{array}{l} \text{TRUNK RESTRICTION} \\ \text{CLASS} \\ \text{(2 digits)} \end{array} / \begin{array}{l} \text{CODEC} \\ \text{LIST} \\ \text{(3 digits)} \end{array}$ $+ \boxed{\text{DE}} + \begin{array}{l} \text{SETTING} \\ \text{DATA} \\ \text{(2 digits)} \end{array} + \boxed{\text{EXE}}$ </p>	

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA

DATA TABLE:

System Counter Data

◀: Initial Data

KIND OF SYSTEM COUNTER		SETTING DATA		REMARKS
00	Number of waiting calls which will cause attendant's Call Waiting lamp to flash [Large type ATTCON]	01 ∟ 48	1 call ∟ 48 calls	
	Number of waiting calls which will cause attendant's CWXX on LCD to flash [ATTCON/DESKCON] NOTE: <i>XX represents the number of waiting calls.</i>	NONE ◀	6 calls	
01	Number of stations in Line Lockout to give MN (minor) 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	
04	Maximum number of stations that are able to set Wake Up call/Timed Reminder call at the same time NOTE: <i>This command is effective up to Series 3400 software.</i>	01 ∟ 32 NONE ◀	1 station ∟ 32 stations 10 stations	
05	Number of detected faulty trunks to give MN (minor) alarm on Attendant Console [Australia Only]	01 ∟ 99 NONE ◀	1 trunk ∟ 99 trunks No detection	
06	Number of detected faulty trunks to give MN (minor) alarm [Australia Only]	01 ∟ 99 NONE ◀	1 trunk ∟ 99 trunks No detection	

Continued on next page

COMMAND CODE		TITLE:		
42		SYSTEM COUNTER DATA		
◀: Initial Data				
KIND OF SYSTEM COUNTER		SETTING DATA		REMARKS
07	Number of detected faulty trunks to give MJ (major) 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=98
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 MP	01 ? 16 NONE ◀	1 digit ? 16 digits 10 digits	
11	Maximum number of digits for Authorization Code with OAI (ACF)	01 ? 10 NONE ◀	1 digit ? 10 digits 10 digits	CM08>216: 1
	Maximum number of digits for Authorization Code with MP	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 MP	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 10 digits	CM08>217: 1
	Maximum number of digits for Remote Access to System (DISA) Code with MP	01 ? 16 NONE ◀	1 digit ? 16 digits 10 digits	CM08>217: 0

Continued on next page

COMMAND CODE		TITLE:		
42		SYSTEM COUNTER DATA		
◀: Initial Data				
KIND OF SYSTEM COUNTER	SETTING DATA		REMARKS	
14	Number of times of Call Forwards in Multiple-Call Forwarding	01 ? 05 NONE ◀	1 time ? 5 times 5 times	
15	Maximum number of calls in queue in each UCD group for controlling external indicator or Call Waiting lamp of D ^{term}	01 ? 99 NONE ◀	1 call ? 99 calls 1 call	
16	Maximum number of calls in queue in each UCD group before busy tone is provided	01 ? 99 NONE ◀	1 call ? 99 calls No limit	
19	Number of times for recall from MP built-in modem	01 ? 09 NONE ◀	1 time ? 9 times 4 times	
47	Volume Control of D ^{term} /Desk Console (Sending level: Terminal to PBX) [Europe Only] (INITIAL) NOTE	00 ? 25 ? 31 NONE ◀	-56 dB ? 0 dB ? +8 dB 0 dB	2 dB increments
48	Volume Control of D ^{term} /Desk Console (Receiving level: PBX to Terminal) [Europe Only] (INITIAL) NOTE	00 ? 23 ? 31 NONE ◀	-48 dB ? 0 dB ? +16 dB 0 dB	2 dB increments

NOTE: Careful consideration on the data settings is required because incorrect data settings may cause howler of low-level speech.

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA

◀: Initial Data

	KIND OF SYSTEM COUNTER	SETTING DATA	REMARKS
66	Transmission characteristic of analog LC [New Zealand/China/Brazil/Europe] (INITIAL) NOTE 1, NOTE 2	00 New Zealand 01 China 02 Brazil 04 Europe NONE ◀ Other countries except for the above	
	Transmission characteristic of analog LC, COT [For EU] [Series 3400] (INITIAL) NOTE 1, NOTE 2	01 China 02 Brazil 04 UK 05 Austria/Belgium/Den- mark/Germany/Sweden/ Switzerland/The Nether- lands 06 UK (for EU) 07 Spain (for EU) 08 Italy (for EU) 09 South Africa (for EU) NONE ◀ Depends on Nation Code (CM31 Y=0>0)	

NOTE 1: In case of default setting, the transmission characteristic depends on A-law/ μ -law setting of the SW2-1 switch on MP card.

NOTE 2: For North America and Australia, this command is not effective. The transmission characteristic depends on the nation code.

NOTE 3: A-law/ μ -law setting is decided in the following order.

1. Setting of CM04 Y=10
2. Setting by Key ROM
3. Setting of SW2-1 of the MP

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA

◀: Initial Data

KIND OF SYSTEM COUNTER		SETTING DATA		REMARKS
68	Volume Control of D ^{term} /Desk Console (Side tone level) [Europe Only]	00 ∟ 06 INITIAL NOTE	-54 dB ∟ -18 dB -18 dB	6 dB increments
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	

NOTE: Careful consideration on the data settings is required because incorrect data settings may cause howler of low-level speech.

Continued on next page

COMMAND CODE	TITLE: SYSTEM COUNTER DATA
42	

◀: Initial Data

KIND OF SYSTEM COUNTER		SETTING DATA		REMARKS
72	Number of times of Multiple Call Forwarding-All Calls/Busy Line/Don't Answer-CCIS	01 ? 07 NONE ◀	1 time ? 7 times 5 times	
73	Number of digits for Station Authorization Code/D ^{term} IP Password/WLAN station digest authentication Password	01 ? 08 NONE ◀	1 digit ? 8 digits 4 digits	CM2B Y=00 CM20>A230, A231
74	Off Hook Ring Volume 1 [Series 3200 R6.2 (R6.2)] <div style="text-align: right;">(INITIAL)</div>	00 01 02 03 04	-10 dB -12 dB -14 dB -16 dB -18 dB	CM15 Y=205
75	Off Hook Ring Volume 2 [Series 3200 R6.2 (R6.2)] <div style="text-align: right;">(INITIAL)</div>	05 06 07 NONE ◀	-20 dB -22 dB -24 dB -20 dB	
77	Number of digits for the abbreviated code of System Speed Dialing origination [Series 3600]	01 ? 08 NONE ◀	1 digit ? 8 digits 4 digits	CM20 Y=0-3: A243 CM74 Y=5

COMMAND CODE	TITLE:
42	PAD DATA (PROGRAMMABLE)

PAD Data (Programmable)

PATTERNS 1ST DATA	PAD DATA PATTERNS				CONNECTING PATTERNS (A TRUNK-B TRUNK)
	CM35 Y=19 2ND DATA=0	CM35 Y=19 2ND DATA=1	CM35 Y=19 2ND DATA=2	CM35 Y=19 2ND DATA=3	
50	50	54	58	62	STA-COT/DID/ODT/LDT
?	51	55	59	63	TONE-COT/DID/ODT/LDT
65	52	56	60	64	COT/DID/LDT/ODT (2W E&M)/IPT-COT/DID/ ODT/LDT
	53	57	61	65	ODT (4W E&M)/DTI/BRT/ PRT/CCT/Virtual IPT/CFTC- COT/DID/ODT/LDT
	50	54	58	62	STA/TONE- DTI/BRT/PRT/CFTC/IPT/SIP
	51	55	59	63	COT/DID/LDT/IPT-DTI/BRT/ PRT/CCT/CFTC/IPT/SIP
	52	56	60	64	ODT (4W E&M)-DTI/BRT/ PRT/CCT/CFTC/IPT/SIP BRT/DTI/PRT/CCT/Virtual IPT-IPT/SIP
	53	57	61	65	DTI/BRT/PRT/CCT/Virtual IPT/CFTC-DTI/BRT/PRT/ CCT/CFTC

Continued on next page

COMMAND CODE	TITLE: PAD DATA (PROGRAMMABLE)
42	

[Australia/New Zealand]

Table 1

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]				
		ODT	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00	00	0/0	0/+6	0/0	0/0	/
2	01	-3/-3	0/+6	-3/-3	-4 (0)/0	0/-2
15	02	-8/-8	-6/+6	-8/-8	-8/0	0/-4
	03	-6/-6	0/0	-6/-6	+4/0	0/-12
	04	0/0	0/+6	0/0	0/-3	0/-8
	05	0/-6	0/0	0/-6	-4 (0)/-3	/
	06	-6/0	0/0	-6/0	-8/-3	/
	07	0/0	0/0	0/0	+4/-3	0/0
	08	Not Used			0/-6	Not Used
	09				-4 (0)/-6	
	10				-8/-6	
	11				+4/-6	
	12				0/-9	
	13				-4 (0)/-9	
	14				-8/-9	
	15				+4/-9	

T/R: Transmit/Receive

+ : Gain

- : Loss

NOTE: *The second data is set to 0 dB when using PN-CFTC-A card.*

Continued on next page

COMMAND CODE	TITLE:
42	PAD DATA (PROGRAMMABLE)

[North America/ μ -law countries]

Table 2

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00 2 15	00	0/0	0/0	0/0	0/0	0/0	
	01	0/0	0/0	0/0	-2/-2	-4 (0)/0	0/-16
	02	0/0	0/0	0/0	-3/-3	-8/0	0/-4
	03	-2/-2	-3/-3	-3/-3	0/-6	+4/0	0/-12
	04	-3/-3	0/0	0/0	-3/-8	0/-3	0/-8
	05	-12/-11	-6/-6	-6/-6	+3/-3	-4 (0)/-3	
	06	-16/-11	0/0	0/+5	-6/-6	-8/-3	
	07	-6/-6	0/0	+3/+3	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
15	+4/-9						

T/R: Transmit/Receive

+ : Gain

- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE: PAD DATA (PROGRAMMABLE)
42	

[Europe]

Table 3

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00 ~ 15	00	-3.5/+3.5	-1/+6	0/0	0/0	0/0	/
	01	0/0	0/0	0/0	-2/-2	-4 (0)/0	0/-2
	02	0/0	0/0	0/0	-3/-3	-8/0	0/-4
	03	0/0	0/0	-3/-3	0/-6	+4/0	0/-12
	04	-3.5/+3.5	-1/+6	0/0	-3/-8	0/-3	0/-8
	05	0/0	-4/+3	-6/-6	+3/-3	-4 (0)/-3	/
	06	0/0	-7/0	0/+5	-6/-6	-8/-3	/
	07	0/0	0/0	+3/+3	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
15	+4/-9						

T/R: Transmit/Receive

+ : Gain

- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE:
42	PAD DATA (PROGRAMMABLE)

[A-law countries]

Table 4

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00 2 15	00	0/0	0/0	0/0	0/0	0/0	
	01	0/0	0/0	0/0	-2/-2	-4 (0)/0	0/-2
	02	0/0	0/0	0/0	-3/-3	-8/0	0/-4
	03	-2/-2	-3/-3	-3/-3	0/-6	+4/0	0/-12
	04	-3/-3	0/0	0/0	-3/-8	0/-3	0/-8
	05	-12/-11	-6/-6	-6/-6	+3/-3	-4 (0)/-3	
	06	-16/-11	0/0	0/+5	-6/-6	-8/-3	
	07	-6/-6	0/0	+3/+3	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
15	+4/-9						

T/R: Transmit/Receive

+ : Gain

- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE:
42	PAD DATA (PROGRAMMABLE)

[For EU]
[Series 3400]

- Europe/South Africa

Table 5

PATTERNS		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
2ND DATA 00 15	00	-3.5/+3.5	-1/+6	-1/+6	0/0	0/0	
	01	0/0	0/0	-1/+6	-2/-2	-4 (0)/0	0/-2
	02	0/0	0/0	-1/+6	-3/-3	-8/0	0/-4
	03	0/0	0/0	0/0	0/-6	+4/0	0/-12
	04	-3.5/+3.5	-1/+6	-1/+6	-3/-8	0/-3	0/-8
	05	0/0	-4/+3	0/0	+3/-3	-4 (0)/-3	
	06	0/0	-7/0	-3.5/+3.5	-6/-6	-8/-3	
	07	0/0	0/0	0/0	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
15	+4/-9						

T/R: Transmit/Receive
+ : Gain
- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE: PAD DATA (PROGRAMMABLE)
42	

[For EU]
[Series 3400]

- A-law countries/Asia

Table 6

PATTERNS		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
2ND DATA 00 ~ 15	00	0/0	0/0	0/0	0/0	0/0	/
	01	0/0	0/0	0/0	-2/-2	-4 (0)/0	0/-2
	02	0/0	0/0	0/0	-3/-3	-8/0	0/-4
	03	-2/-2	-3/-3	-3/+3	0/-6	+4/0	0/-12
	04	-3/-3	0/0	0/0	-3/-8	0/-3	0/-8
	05	-12/-11	-6/-6	-6/-6	+3/-3	-4 (0)/-3	/
	06	-16/-11	0/0	0/+5	-6/-6	-8/-3	/
	07	-6/-6	0/0	+3/+3	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
15	+4/-9						

T/R: Transmit/Receive
+ : Gain
- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE: PAD DATA (PROGRAMMABLE)
42	

[For EU]
[Series 3400]

- Brazil

Table 7

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00	00	0/0	0/0	0/0	0/0	0/0	
?	01	0/0	0/0	0/0	-2/-2	-4 (0)/0	0/-2
15	02	0/0	0/0	0/0	-3/-3	-8/0	0/-4
	03	-2/-2	-3/-3	-3/+4	0/-6	+4/0	0/-12
	04	-3/-3	0/0	-1/+6	-3/-8	0/-3	0/-8
	05	-12/-11	-6/-6	-6/+1	+3/-3	-4 (0)/-3	
	06	-16/-11	0/0	+2/+9	-6/-6	-8/-3	
	07	-6/-6	0/0	0/0	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
	15					+4/-9	

T/R: Transmit/Receive
+ : Gain
- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE: PAD DATA (PROGRAMMABLE)
42	

[For EU]
[Series 3400]

- China

Table 8

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]					
		ODT (4W E&M)	ODT (2W E&M)	COT/DID/ LDT	DTI/BRT/ PRT/CCT	CFTC NOTE	IPT/SIP
00	00	0/0	0/0	0/0	0/0	0/0	
?	01	0/0	0/0	-2.5/-2.5	-2/-2	-4 (0)/0	0/-2
15	02	0/0	0/0	-3/-3	-3/-3	-8/0	0/-4
	03	-2/-2	-3/-3	-3.5/-3.5	0/-6	+4/0	0/-12
	04	-3/-3	0/0	-4/-4	-3/-8	0/-3	0/-8
	05	-12/-11	-6/-6	-6/-6	+3/-3	-4 (0)/-3	
	06	-16/-11	0/0	0/0	-6/-6	-8/-3	
	07	-6/-6	0/0	0/0	-8/-8	+4/-3	0/0
	08	Not Used				0/-6	Not Used
	09					-4 (0)/-6	
	10					-8/-6	
	11					+4/-6	
	12					0/-9	
	13					-4 (0)/-9	
	14					-8/-9	
	15					+4/-9	

T/R: Transmit/Receive
+ : Gain
- : Loss

NOTE: The second data is set to 0 dB when using PN-CFTC-A card.

Continued on next page

COMMAND CODE	TITLE:
42	PAD DATA (PROGRAMMABLE)

[For EU]
[Series 3400]

When connecting pattern is Station-COT/ Tone-COT/ COT-COT/ ODT/DTI-COT, the second data of CM42>50-53 depends on the country. See the table below.

- For long line

COUNTRY \ CM42	1ST DATA				REFERENCE
	50	51	52	53	
Austria	00	03	03	03	Table 5
Belgium	00	03	03	03	Table 5
Denmark	00	03	03	03	Table 5
Germany	00	03	03	03	Table 5
Italy	00	03	03	03	Table 5
South Africa	00	03	03	03	Table 5
Spain	00	03	03	03	Table 5
Sweden	00	03	03	03	Table 5
Switzerland	00	03	03	03	Table 5
The Netherlands	00	03	03	03	Table 5
UK	00	03	03	03	Table 5
Brazil	04	00	00	00	Table 7
China	03	00	00	00	Table 8
International	07	00	00	00	Table 6

Continued on next page

COMMAND CODE		TITLE:				
42		PAD DATA (PROGRAMMABLE)				
• For Short line						
COUNTRY	CM42	1ST DATA				REFERENCE
	50	51	52	53		
Austria	06	03	03	03	Table 5	
Belgium	06	03	03	03	Table 5	
Denmark	06	03	03	03	Table 5	
Germany	06	03	03	03	Table 5	
Italy	06	03	03	03	Table 5	
South Africa	06	03	03	03	Table 5	
Spain	06	03	03	03	Table 5	
Sweden	06	03	03	03	Table 5	
Switzerland	06	03	03	03	Table 5	
The Netherlands	06	03	03	03	Table 5	
UK	06	03	03	03	Table 5	
Brazil	03	00	00	00	Table 7	
China	03	03	03	03	Table 8	
International	00	00	00	00	Table 6	

COMMAND CODE	TITLE:
42	TRUNK RESTRICTION CLASS CONVERSION

Trunk Restriction Class Conversion

2000 IPS represents small model PBX system.

2400 IPX represents medium to large model PBX system.

◀: Initial Data

1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
20	2000 IPS Trunk Restriction Class 1 (RCA)	00	2400 IPX Trunk Restriction Class (0-15) No data <div style="text-align: center;"> } 2000 IPS ↓ 2400 IPX } </div>	
21	2000 IPS Trunk Restriction Class 2 (RCB)	?		
22	2000 IPS Trunk Restriction Class 3 (RCC)	15		
23	2000 IPS Trunk Restriction Class 4 (RCD)	NONE ◀		
24	2000 IPS Trunk Restriction Class 5 (RCE)			
25	2000 IPS Trunk Restriction Class 6 (RCF)			
26	2000 IPS Trunk Restriction Class 7 (RCG)			
27	2000 IPS Trunk Restriction Class 8 (RCH)			
30	2400 IPX Trunk Restriction Class 0	01	2000 IPS Trunk Restriction Class (1-8) No data <div style="text-align: center;"> } 2400 IPX ↓ 2000 IPS } </div>	
31	2400 IPX Trunk Restriction Class 1	?		
32	2400 IPX Trunk Restriction Class 2	08		
33	2400 IPX Trunk Restriction Class 3	NONE ◀		
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			
79	Number of times for retrying to send fault kind	01	1 time	
		?	?	
		10	10 times	
		NONE ◀	4 times	

Continued on next page

COMMAND CODE	TITLE:
42	TRUNK RESTRICTION CLASS CONVERSION

NOTE 1: *Initial Data 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 2000 IPS

2400 IPX		2000 IPS
<u>TRK RESTRICTION CLASS</u>		<u>TRK RESTRICTION CLASS</u>
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:]	—————>	8: Fully-Restricted (RCH)
∩		
15:]		

(2) 2000 IPS to 2400 IPX

2000 IPS		2400 IPX
<u>TRK RESTRICTION CLASS</u>		<u>TRK RESTRICTION CLASS</u>
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:]
8: Fully-Restricted (RCH)	—————>	8:]

NOTE 2: *This command should be used when changing the initial 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

◀: Initial Data

1ST DATA (CODEC TYPE)		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
100 ? 103	Priority 1-4 in CODEC list 0	01 02 03 04	G.711 μ -law 64 K G.711 A-law 64 K G.723.1 (5.3/6.3 K) G.729a	CM67
120 ? 123	Priority 1-4 in CODEC list 1	NONE ◀	No data	
140 ? 143	Priority 1-4 in CODEC list 2			
160 ? 163	Priority 1-4 in CODEC list 3			

1ST DATA (PAYLOAD SIZE)		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
110 ? 113	Priority 1-4 in CODEC list 0	01 ? 04	10 ms. ? 40 ms.	CM67
130 ? 133	Priority 1-4 in CODEC list 1	NONE ◀	NOTE 1, NOTE 2, NOTE 3, NOTE 4, NOTE 5 Depends on Codec type	
150 ? 153	Priority 1-4 in CODEC list 2		40 ms. (G.711) 30 ms. (G.723.1) 10 ms. (G.729a)	
170 ? 173	Priority 1-4 in CODEC list 3			

Continued on next page

COMMAND CODE	TITLE:																																																
42	CODEC LIST																																																
<p>NOTE 1: <i>The following payload size can be assigned for each CODEC type.</i> G.711 : 10 ms./20 ms./30 ms./40 ms. (Initial: 40 ms.) G.723.1: 30 ms. fixed (Initial: 30 ms.) G.729a : 10 ms./20 ms./30 ms./40 ms. (Initial: 10 ms.)</p> <p>NOTE 2: <i>When no 16VCT card is mounted, the CODEC type is fixed to G.711 and the payload size is fixed to 40 ms.</i></p> <p>NOTE 3: <i>The maximum voice channels per IP-PAD is based on the payload size as shown below.</i></p> <ul style="list-style-type: none"> For PN-32IPLA/PN-32IPLA-A + PN-16VCTA/PN-16VCTA-A <table border="1"> <thead> <tr> <th rowspan="2">PAYLOAD SIZE</th> <th colspan="3">MAXIMUM VOICE CHANNELS PER IP-PAD</th> </tr> <tr> <th>G.729a</th> <th>G.711</th> <th>G.723.1</th> </tr> </thead> <tbody> <tr> <td>10 ms.</td> <td>12</td> <td>12</td> <td>-</td> </tr> <tr> <td>20 ms.</td> <td>20</td> <td>20</td> <td>-</td> </tr> <tr> <td>30 ms.</td> <td>30</td> <td>30</td> <td>24</td> </tr> <tr> <td>40 ms.</td> <td>32</td> <td>32</td> <td>-</td> </tr> </tbody> </table> <p>When no 16VCT card is mounted, the CODEC type is fixed to G.711 and the payload size is fixed to 40 ms.</p> <ul style="list-style-type: none"> For PN-8IPLA + PZ-24IPLA <table border="1"> <thead> <tr> <th rowspan="2">PAYLOAD SIZE</th> <th colspan="3">MAXIMUM VOICE CHANNELS PER IP-PAD</th> </tr> <tr> <th>G.729a</th> <th>G.711</th> <th>G.723.1</th> </tr> </thead> <tbody> <tr> <td>10 ms.</td> <td>20</td> <td>20</td> <td>-</td> </tr> <tr> <td>20 ms.</td> <td>32</td> <td>32</td> <td>-</td> </tr> <tr> <td>30 ms.</td> <td>32</td> <td>32</td> <td>24</td> </tr> <tr> <td>40 ms.</td> <td>32</td> <td>32</td> <td>-</td> </tr> </tbody> </table> <p>When only PN-8IPLA card is mounted, the maximum voice channels per IP-PAD is fixed to 8-channel.</p> <p>NOTE 4: <i>When the payload size setting differs from that for the opposite IP-PAD, the shorter size is adopted.</i></p> <p style="text-align: right;">Continued on next page</p>				PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IP-PAD			G.729a	G.711	G.723.1	10 ms.	12	12	-	20 ms.	20	20	-	30 ms.	30	30	24	40 ms.	32	32	-	PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IP-PAD			G.729a	G.711	G.723.1	10 ms.	20	20	-	20 ms.	32	32	-	30 ms.	32	32	24	40 ms.	32	32	-
PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IP-PAD																																																
	G.729a	G.711	G.723.1																																														
10 ms.	12	12	-																																														
20 ms.	20	20	-																																														
30 ms.	30	30	24																																														
40 ms.	32	32	-																																														
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	G.729a	G.711	G.723.1																																														
10 ms.	20	20	-																																														
20 ms.	32	32	-																																														
30 ms.	32	32	24																																														
40 ms.	32	32	-																																														

COMMAND CODE		TITLE:		
42		CODEC LIST		
◀: Initial Data				
1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
181	Maximum number of Wake Up Call setting at the same time [Series 3800]	01	1 call	CM08>850
		∟	∟	
32	32 calls			
NONE◀	No limit			
NOTE 1: Assign the maximum number of Wake Up Call for the same time per every minute. NOTE 2: This command is ineffective when setting from PMS.				
182	Time for monitoring long call duration of trunk call [Series 3900]	01	1 hour	CM35 Y=286 CMEA Y=2>4A/4B
		∟	∟	
		60	60 hours	
		NONE◀	60 hours	
NOTE: When the call time exceeds the time set by this command, a fault information is stored as long-time call fault.				

COMMAND CODE	TITLE:				
43	PERIODIC MAINTENANCE/OFFICE DATA PERIODIC COPY IN BACKUP CPU SYSTEM/D^{term}IP FIRMWARE AUTOMATIC UPDATE/OFFICE DATA COPY				
FUNCTION:					
<p>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.</p> <p>[See CMEA Fault Information Display, fault kind No. 16 Page 736]</p> <p>This command is also used to set the time for regular system data backup.</p>					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + 43\text{Y} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (2 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (1/4/10 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$					
DATA TABLE:					
◀: Initial Data					
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	YYYY: Year (2000-2099) MM : Month (01-12) DD : Day (01-31) HH : Hour (00-23) No data
3	Check item for periodic maintenance			NONE◀	0 1 2 7 NONE◀	Battery check Check item No. 1 2 Check item No. 7 No data
4	Time setting for office data periodic copy from active MP to stand by MP in Backup CPU system [Series 3200 R6.1 (R6.1)]	00-03	Time setting	HH MM NONE◀	HH : Hour (00-23) MM : Minute (00-59) 0200 (2:00 a.m.)
<p>NOTE 1: Maximum of three minutes error may occur.</p> <p>NOTE 2: Maximum four stating time for office data periodic copy can be set to the system. If you set two or more starting time, set the time with fifteen minutes or more interval.</p>					

COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE/OFFICE DATA PERIODIC COPY IN BACKUP CPU SYSTEM/D^{term}IP FIRMWARE AUTOMATIC UPDATE/OFFICE DATA COPY

◀: Initial Data

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING
5	Time setting for regular system data backup	00	Regular backup time	HH MM 9999 NONE◀	HH : Hour (00-23) MM : Minute (00-59) No backup the office data 0300 (3:00 a.m.)
6	Time setting for D ^{term} IP firmware automatic update [Series 3200 R6.1 (R6.1)]	00	D ^{term} IP firmware automatic update time	YYYY MM DD HH mm NONE◀	YYYY: Year (2000-2099) MM : Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minutes (00-59) No data
7	Start time for copying the office data from the Main Site to Remote Sites [Series 3200 R6.2 (R6.2)]	00	Office data copy	HH MM 9999 NONE◀	HH : Hour (00-23) MM : Minute (00-59) Not copy the office data automatically 0200 (2:00 a.m.)
<p>NOTE 1: Office data copy is executed from the low Remote Site number to high Remote Site number.</p> <p>NOTE 2: The start time for office data copy may gain/loss about three minutes from the time you set.</p>					
8	Time setting for Automatic clock change [Series 3600]	00	Time setting for automatic system clock change from standard time to daylight-saving time (for change pattern 0)	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
		01	Time setting for automatic system clock change from daylight-saving time to standard time (for change pattern 0)		

Continued on next page

COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE/OFFICE DATA PERIODIC COPY IN BACKUP CPU SYSTEM/D^{term}IP FIRMWARE AUTOMATIC UPDATE/OFFICE DATA COPY

◀: Initial Data

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING	
8	Time setting for Automatic clock change [Series 3600]	02	Reading of system clock changed day from standard time to daylight-saving time (for change pattern 0)	YYYY MM DD NONE◀	YYYY: Year (2000-2099) 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		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)	NONE◀		

Continued on next page

COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE/OFFICE DATA PERIODIC COPY IN BACKUP CPU SYSTEM/D^{term}IP FIRMWARE AUTOMATIC UPDATE/OFFICE DATA COPY

◀: Initial Data

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING
8	Time setting for Automatic clock change [Series 3600]	06	Reading of system clock changed day from standard time to daylight-saving time (for change pattern 1)	YYYY MM DD NONE◀	YYYY: Year (2000-2099) 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 EQUIPMENT STARTING CONDITIONS		
FUNCTION:			
This command is used to assign the relay circuit number of PN-DK00 or built-in External Equipment Interface of MP card used for controlling external equipment.			
PRECAUTION:			
(1) For built-in External Equipment Interface of the MP card, assign 313 (card No. 31, circuit No. 3).			
(2) MP built-in External Equipment Interface cannot be used for TAS indication control.			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + 44 + \boxed{\text{DE}} + \begin{array}{c} \text{CIRCUIT} \\ \text{NUMBER} \\ \text{(3 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA 1} \\ \text{(2 digits)} \end{array} + \begin{array}{c} \text{DATA 2} \\ \text{(2 digits)} \end{array} + \boxed{\text{EXE}}$			
DATA TABLE:			
CIRCUIT NUMBER		RELATED COMMAND	REMARKS
NUMBER	MEANING		
XX Y	XX: Card Number (00-31) of PN-DK00 Y : Circuit Number (0-3) 313: Built-in External Equipment Interface of MP card	CM10/CM14 Card number: E8XX	

Continued on next page

COMMAND CODE	TITLE:
44	EXTERNAL EQUIPMENT STARTING CONDITIONS

DATA 1		DATA 2		REMARKS
DATA	MEANING	DATA	MEANING	
00	External Hold Tone Machine Start (TNT/COT Interface)	00 ∟ 09	External Hold Tone for Music on Hold	CM10/CM14 (DA00-DA09) CM48
01	External Announcement Machine Start (COT Interface)	00	External Announcement Machine for wake up calling/Timed Reminder Calling	CM10/CM14 CM48
02	Speaker Paging Machine Start	00 ∟ 09	Speaker Paging Zone 0 ∟ Speaker Paging Zone 9	CM30 Y=28
11	Indication for Trunk All Busy	01 ∟ 62	Trunk Group 01 ∟ Trunk Group 62	CM30 Y=09
13	TAS Indication NOTE: <i>MP built-in External Equipment Interface cannot be used for TAS indication.</i>	00 ∟ 63	TAS Group 00 ∟ TAS Group 63	CM30 Y=17
14	Indication for ACD/UCD Call Waiting	00 ∟ 15	ACD/UCD Group 00 ∟ ACD/UCD Group 15	CM17
15	Relay Control Function Key	00	Relay Control (ON/OFF) via D ^{term}	CM90 Y=00: F7XXX

Continued on next page

COMMAND CODE	TITLE:
44	EXTERNAL EQUIPMENT STARTING CONDITIONS

DATA 1		DATA 2		REMARKS
DATA	MEANING	DATA	MEANING	
30	External Alarm driver function for Call Record buffer overflow	00	Activates when the call record has reached the value specified by CMD003>28	CMD003>28
		01	Activates when the call record has reached the value specified by CMD003>29/CMDD02>0 NOTE: <i>Effective when CMD001>80/100/120/140 is set to "4" or CMDD10>X00 is set to "1".</i>	CMD001>80/ 100/120/140 CMD003>29 CMDD10>X00 CMDD02>0
		02	Activates when the call record has reached the value specified by CMD003>24/CMDD02>1 NOTE: <i>Effective when CMD001>80/100/120/140 is set to "5" or CMDD10>X00 is set to "2".</i>	CMD001>80/ 100/120/140 CMD003>24 CMDD10>X00 CMDD02>1
		03	Activates when the call record has reached the value specified by CMD003>23 or 30	CMD001>80/ 100/120/140 CMD003>23/30
		04	Activates when the call record has reached the value specified by CMD003>27	CMD003>27
		35	No. 7 CCIS Link Alarm Display	00 ? 07	CCH No. 0-7	CM06 Y=07
36	No. 7 CCIS Day/Night Status Display when the Day/Night Mode is changed by the main office	01	Tenant No. NOTE: <i>An intraoffice Attendant Console should not be assigned for the tenant.</i>	

Continued on next page

COMMAND CODE	TITLE:		
44	EXTERNAL EQUIPMENT STARTING CONDITIONS		
The following table shows the interface condition of each external equipment.			
EQUIPMENT KIND	INTERFACE	RELATED COMMAND	REMARKS
External tone source	ODT Interface	<ul style="list-style-type: none"> • CM10/CM14: DA00 • CM48 Y=0 	<ul style="list-style-type: none"> • Use ODT card • Ground Start by “M” line of ODT • RA · RB line of ODT for tone
	COT Interface + External Equipment Interface	<ul style="list-style-type: none"> • CM10/CM14 : DA00 • : E800-E831 • CM44>0 • CM48 Y=0 	<ul style="list-style-type: none"> • Use COT, DK of MP card/DK00 card • Loop Start by DK of MP card/DK00 • Tip · Ring of COT for tone
Wake Up Call/Timed Reminder tone source	ODT Interface	<ul style="list-style-type: none"> • CM10/CM14: DB00 • CM48 Y=1 	<ul style="list-style-type: none"> • Use ODT card • Ground Start by “M” line of ODT • RA · RB line of ODT for tone
	COT Interface + External Equipment Interface	<ul style="list-style-type: none"> • CM10/CM14: DB00 • CM44>01 • CM48 Y=1 	<ul style="list-style-type: none"> • Use COT, DK of MP card/DK00 card • Loop Start by DK of MP card/DK00
Speaker Paging	COT Interface + External Equipment Interface	<ul style="list-style-type: none"> • CM10/CM14 : D000-D255 • : E800-E831 • CM20: A070-A079 • CM30 Y=28 • CM35 • CM44>02 	<ul style="list-style-type: none"> • Use COT, DK of MP card/DK00 card • Loop Start by DK of MP card/DK00
Radio Paging	COT Interface (Loop Start)	<ul style="list-style-type: none"> • CM10/CM14 : D000-D255 • CM20: A070-A073 • CM30 Y=28 • CM35 	<ul style="list-style-type: none"> • Use COT card • Loop Start by Tip · Ring of COT
Relay control via D ^{term}	External Equipment Interface	<ul style="list-style-type: none"> • CM10/CM14 : E800-E831 • CM44>15 • CM90 	<ul style="list-style-type: none"> • Use DK of MP card/DK00 card

COMMAND CODE	TITLE:
45	PURPOSE OF PBR/CFT/SDT

FUNCTION:

This command is used to define the purpose of PB (DTMF) Receiver (PN-8RST) and Conference trunk (CFT). This command is also used to make the CFT, PBR and the Caller ID Sender (SDT) busy.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 45Y + [DE] + PBR/CFT/SDT NUMBER (2-3 digits) + [DE] + DATA (1 digit) + [EXE]

DATA TABLE:

◀: Initial Data

Y		PBR/CFT/SDT NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
0	Make busy condition of PBR	XX Z	XX: PBR card number Built-in PBR of MP card: 00 PN-8RST: 01-45 Z : Circuit number (0-3) NOTE	0	Make busy	CM10/CM14>E2XX
1	PBR for incoming call from Tie line/DID			1◀	In service	
2	PBR for Automated Attendant only			0	Only for incoming call from Tie line/DID	
				1◀	For both DTMF station and Tie line/DID	CM10/CM14>E2XX CM35 Y=01
				0	Only for Automated Attendant	CM30 CM41 Y=0>33, 43 CM10/CM14>E2XX
				1◀	For both DTMF station and Tie Line/DID/Automated Attendant	

NOTE: Set the PBR card number as follows.

00-15: PBR for a system that is not provided Remote PIM over IP feature or a Main site of Remote PIM over IP feature. (00 is dedicated to built-in PBR of MP card.)

16-45: Built-in PBR for a Remote site (No. 01-30) of Remote PIM over IP feature.

Continued on next page

COMMAND CODE	TITLE:
45	PURPOSE OF PBR/CFT/SDT

◀: Initial Data

Y		PBR/CFT/SDT NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
5	Make busy condition of Caller ID sender (SDT) [North America Only]	XX Z	XX : SDT (PN-4RSTF/ PN-4RSTF-A/ PN-4RSTH) card number: 00-03 Z : Circuit number (0-3)	0 1◀	Make busy In service	CM10/CM14>C2XX
6	Make busy condition of CFT	00 ? 15	MP built-in CFT circuit number	0 1◀	Make busy In service	
7	CFT is used exclusively for attendant	00 ? 15	MP built-in CFT circuit number	0 1◀	For attendant only For both attendant and station	

Continued on next page

COMMAND CODE	TITLE:
45	PURPOSE OF PBR/CFT/SDT

◀: Initial Data

Y		PBR/CFT/SDT NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
9	Receiving dB level of PBR	XX Z	XX: PBR card number Built-in PBR of MP card: 00 PN-8RST: 01-45 NOTE Z : Circuit number (0-3)	00	-22.6 dB	CM10/CM14>E2XX
				01	-23.3 dB	
				02	-24.0 dB	
				03	-24.8 dB	
				04	-25.8 dB	
				05	-27.0 dB	
				06	-27.7 dB	
				07	-28.3 dB	
				08	-29.1 dB	
				09	-29.8 dB	
				10	-30.6 dB	
				11	-31.4 dB	
				12	-32.3 dB	
				13	-33.7 dB	
				14	-34.5 dB	
				15	-26.4 dB	
				16	-36.4 dB	
				17	-37.0 dB	
				18	-37.8 dB	
				19	-38.6 dB	
				20	-39.3 dB	
				21	-41.0 dB	
				22	-42.0 dB	
				23	-43.1 dB	
				24	-44.2 dB	
				25	-45.5 dB	
				26	-46.5 dB	
				27	-47.8 dB	
				28	-49.1 dB	
				29	-50.2 dB	
				30	-51.5 dB	
				31	-40.1 dB	
				NONE	No data	

NOTE: Set the PBR card number as follows.
 00-15: PBR for a system that is not provided Remote PIM over IP feature or a Main site of Remote PIM over IP feature. (00 is dedicated to built-in PBR of MP card.)
 16-45: Built-in PBR for a Remote site (No. 01-30) of Remote PIM over IP feature.

COMMAND CODE	TITLE: ATT CALL ANSWER KEYS
46	

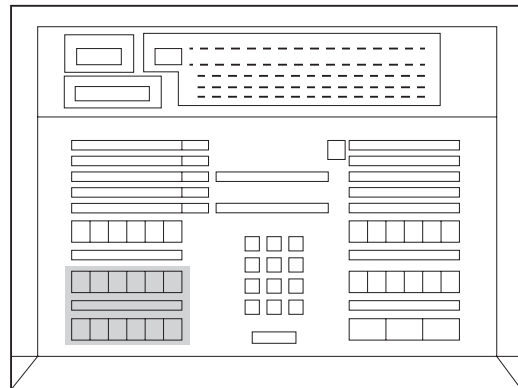
FUNCTION:

This command is used to assign the functions to the call identification and answer keys on the large type ATTCON.

PRECAUTION:

- (1) If no data is set, the key functions are automatically set by the initial data as shown below.
- (2) If any standard key is changed, all keys must be re-programmed.

00	01	02	03	04	05
(SRL)	(EMG)	(ICPT)	(NANS)	(BUSY)	(TIE)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
06	07	08	09	10	11
			(RCL)	(ATND)	(LDN)



- | | |
|------------------------------|-----------------------|
| LDN : C.O. INCOMING CALL | BUSY: BUSY LINE CALL |
| ATND : OPERATOR CALL | ICPT : INTERCEPT CALL |
| RECALL : OPERATOR RECALL | SRL : SERIAL CALL |
| TIE : TIE LINE INCOMING CALL | EMG : OFF HOOK ALARM |
| NANS : DO NOT ANSWER CALL | |

ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 46 + \boxed{\text{DE}} + \overset{\text{KEY}}{\text{NUMBER}} + \boxed{\text{DE}} + \overset{\text{DATA}}{\text{(2 digits)}} + \boxed{\text{EXE}}$$

(00-11)

COMMAND CODE		TITLE:		
46		ATT CALL ANSWER KEYS		
DATA TABLE:				
SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
00 ∩ 07	C.O. Incoming Call 0 (Standard) ∩ C.O. Incoming Call 7	LDN	As per CM35 Y=15	CM35 Y=15
40 ∩ 47	Tie Line Incoming Call 0 (Standard) ∩ Tie Line Incoming Call 7	TIE	As per CM35 Y=15	CM35 Y=15
50 ∩ 53	Special ATT Call 0 ∩ Special ATT Call 3			CM20> A090-A093
54 ∩ 55	Priority Call 0 ∩ Priority Call 1			CM15 Y=17, 18 CM20> A088-A089 CM08>250, 251
56	Emergency Call			CM20>A094
57	Not used			
60	Operator Call	ATND		
61	Recall	RCL		
62	Serial Call Termination	SRL		CM47 Data=05
63	Not used			
64	Call Forwarding-Don't Answer (No Answer)	NANS		CM51 Y=00, 01
65	Call Forwarding-Busy Line	BUSY		CM51 Y=03, 04
66	Call Forwarding-Intercept	ICPT		CM08>032, 119
67	Off-Hook Alarm	EMG		CM51 Y=12
74	Inter-Position Transfer (TF)			CM20>A095

COMMAND CODE	TITLE:
47	ATT FUNCTION KEYS

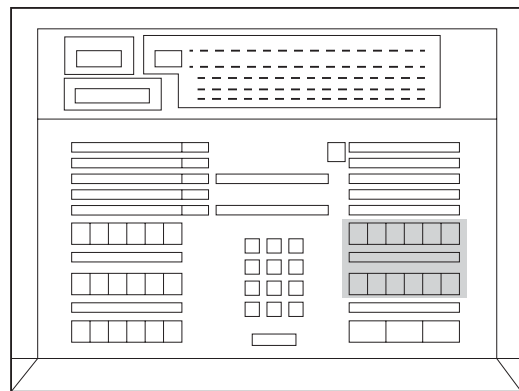
FUNCTION:

This command is used to assign the functions to the function keys on the large type ATTCON.

PRECAUTION:

- (1) If no data is set, the key functions are automatically set by the initial data as shown below.
- (2) The function assignment to Key Numbers 00, 01, 06, 07, and 08 cannot be changed.

00	01	02	03	04	05
SRC	DEST	(OL) (SC)			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
06	07	08	09	10	11
CANCL	TALK	HLD		(BV)	



: Fixed

ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 47 + \boxed{\text{DE}} + \begin{matrix} \text{FUNCTION} \\ \text{KEY} \\ \text{NUMBER} \\ \text{(00-11)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{EXE}}$$

COMMAND CODE	TITLE:
47	ATT FUNCTION KEYS

DATA TABLE:

SETTING DATA	FUNCTION	STANDARD KEY SETTING	RELATED COMMAND
00	Room Cutoff		For Hotel ATTCON NOTE: <i>START key or ANSWER key can be used as SET key for Hotel features.</i>
01	Message Waiting		
02	Do Not Disturb		
03	Automatic Wake Up/DND Override		
04	Reset		
05	Serial Call Set/Overlapping [Australia Only]	SC/OL	CM46 data=62
06	Flash over trunk		CM35 Y=16
07	Busy Verification	BV	CM08>012 CM15 Y=09
15	Out pulse (PB signal)-Short		CM35 Y=26
16	Out pulse (PB signal)-Long		CM41 Y=0>14

COMMAND CODE	TITLE: HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE
48	

FUNCTION:

This command determines the kind of tone/tone source on various services; it also determines whether the Announcement Service is provided when a PS does not answer in a Wireless Communication System.

PRECAUTION:

None.

ASSIGNMENT PROCEDURE:

ST + 48Y + DE + SENDING PATTERN + DE + DATA + EXE
 (2 digits) (1-4 digits)

DATA TABLE:

◀: Initial Data

Y		SENDING PATTERN		SETTING DATA			RELATED COMMAND
No.	MEANING	PATTERN	MEANING	DATA	XX	MEANING	
0	Hold Tone Sending	00	C.O. Line	XX00 XX: Kind	00	No Tone	
		01	Tie Line		02	External Tone Source	CM10/ CM14>DA00 -DA09 CM08>388 CM44>0000 CM64
		02	Station		05	Hold Mes- sage	CM10/ CM14>EBXXX, CM49 Y=00
					14	Hold Tone Source on MP card	CM48 Y=3
					15	Internal Tone Generator	
						NONE◀	Internal Tone Generator

Continued on next page

COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Initial Data

Y		SENDING PATTERN		SETTING DATA			RELATED COMMAND
No.	MEANING	PATTERN	MEANING	DATA	XX	MEANING	
1	Wake Up Call/Timed Reminder	00	Tone source of Wake Up Call/Timed Reminder	XX00 XX: Kind	00	No Tone	
					02	External Tone Source INITIAL	CM10/ CM14>DB00 CM44>0100
					05	Digital Announcement Trunk	CM10/ CM14>EBXXX, CM41 Y=0>52 CM49 Y=00, 08
					14	Hold Tone Source on MP card	CM48 Y=3
					15	Internal Tone Generator	CM64
					NONE◀		Internal Tone Generator

Continued on next page

COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Initial Data

Y		SENDING PATTERN		SETTING DATA		RELATED COMMAND
No.	MEANING	PATTERN	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◀	To provide Not provided	
		06	Dial Tone connection with Automated Attendant	0 1◀	No Dial Tone Dial Tone	CM64 CM41 Y=0>43
		12	Dial Tone on setting Message Waiting	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	0 1◀	No Tone Hold Tone	

Continued on next page

COMMAND CODE		TITLE:																																																																						
48		HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE																																																																						
◀: Initial Data																																																																								
Y		SENDING PATTERN		SETTING DATA		RELATED COMMAND																																																																		
No.	MEANING	PATTERN	MEANING	DATA	MEANING																																																																			
3	Digital Tone Generator [Not used in Australia/North America/UK]	00	Digital Tone Generator	00-07	See the table below.																																																																			
		<table border="1"> <thead> <tr> <th style="text-align: center;">2nd Data of CM48</th> <th>00</th> <th>01</th> <th>02</th> <th>03</th> <th>04</th> <th>05</th> <th>06</th> <th>07</th> </tr> </thead> <tbody> <tr> <td>DTG Program</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SP-3643 IPS DTG-A1</td> <td>Japan*</td> <td>North America*</td> <td>Australia*</td> <td>A-law Standard*</td> <td>Mexico</td> <td>Brazil</td> <td>–</td> <td>–</td> </tr> <tr> <td>SP-3644 IPS DTG-B1</td> <td>A-law Standard</td> <td>New Zealand</td> <td>Australia*</td> <td>UK*</td> <td>Russia</td> <td>South Korea</td> <td>–</td> <td>–</td> </tr> <tr> <td>SP-3645 IPS DTG-C1</td> <td>Hong Kong</td> <td>Taiwan</td> <td>China</td> <td>Thailand</td> <td>Malaysia</td> <td>Singapore</td> <td>A-law Standard</td> <td>North America</td> </tr> <tr> <td>SP-3758 IPS DTG-D1 [Series 3200 R6.2 (R6.2)]</td> <td>Netherlands</td> <td>Germany</td> <td>Italy</td> <td>Australia</td> <td>Belgium</td> <td>Spain</td> <td>Sweden</td> <td>UK</td> </tr> <tr> <td>SP-3774 IPS DTG-E1 [Series 3200 R6.2 (R6.2)]</td> <td>Denmark</td> <td>Greece</td> <td>Switzerland</td> <td>South Africa</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> </tr> </tbody> </table>								2nd Data of CM48	00	01	02	03	04	05	06	07	DTG Program									SP-3643 IPS DTG-A1	Japan*	North America*	Australia*	A-law Standard*	Mexico	Brazil	–	–	SP-3644 IPS DTG-B1	A-law Standard	New Zealand	Australia*	UK*	Russia	South Korea	–	–	SP-3645 IPS DTG-C1	Hong Kong	Taiwan	China	Thailand	Malaysia	Singapore	A-law Standard	North America	SP-3758 IPS DTG-D1 [Series 3200 R6.2 (R6.2)]	Netherlands	Germany	Italy	Australia	Belgium	Spain	Sweden	UK	SP-3774 IPS DTG-E1 [Series 3200 R6.2 (R6.2)]	Denmark	Greece	Switzerland	South Africa	–	–	–	–
2nd Data of CM48	00	01	02	03	04	05	06	07																																																																
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SP-3643 IPS DTG-A1	Japan*	North America*	Australia*	A-law Standard*	Mexico	Brazil	–	–																																																																
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NOTE: When the Nation Code of Key ROM program is for North America or Australia, DTG is set to the country automatically. This data setting is not required for the combination of the DTG program and the countries marked with * (asterisk) in the table.																																																																								

Continued on next page

COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Initial Data

Y		SENDING PATTERN		SETTING DATA		RELATED COMMAND
No.	MEANING	PATTERN	MEANING	DATA	MEANING	
3	Music selection for Internal Hold Tone	01	Music selection for Internal Hold Tone	00	Nocturne	
				01	Minuet	
				02	Fur Elise	
				03	The Maiden's Prayer	
				04	When the saints go marching in	
				05	It's a small world	
				06	Spring (by four seasons)	
				07	Let it be	
				08	Ich bin ein Musikante (German folk song)	
				09	If you love me	
				10	Amaryllis (French folk song)	
				NONE ◀	Minuet	
<p>NOTE 1: When PN-CP24-D/PN-CP26-B/PN-CP27-B/PN-CP31-D is used as MP card, the following tone sources are not available: "It's a small world (2nd data 05)", "Let it be (2nd data 07)", and "If you love me (2nd data 09)". "Minuet" will be set instead of those tone sources.</p> <p>NOTE 2: CM48 Y=3 is effective only for the legacy terminal. For D^{term}IP, this data is not effective. D^{term}IP uses the tone source in IP Adapter (Minuet).</p>						
Short tone Control [For EU] [Series 3200 R6.2 (R6.2)]		02	-	00	Netherlands	
				01	Germany	
				02	Italy	
				03	Austria	
				04	Belgium	
				05	Spain	
				06	Sweden	
				07	UK/South Africa	
				08	Denmark	
				09	Greece	
				10	Switzerland	
				11	South Africa [Series 3700 R12.2]	
				NONE ◀	Not used	

Continued on next page

COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Initial Data

Y		SENDING PATTERN		SETTING DATA		RELATED COMMAND
No.	MEANING	PATTERN	MEANING	DATA	MEANING	
4	Kind of BGM INITIAL	00	BGM 0	D000	Trunk number for each music source	CM10/ CM14>DXXX CM20>A039 CM15 Y=032 CM35 Y=00
		?	?	?		
		09	BGM 9	D255 NONE◀	No data	
5	Announcement PS/WLAN Terminal No Answer	00	—	0500 NONE◀	To provide Not provided	CM10/ CM14>EBXXX CM12 Y=04 CM41 Y=0>01, 75 CM49 Y=00, 10
	Announcement PS/WLAN Terminal Out of Cell (Zone)/PS/WLAN Terminal Power Off	02	—	0500 NONE◀	To provide Not provided	

COMMAND CODE		TITLE:			
49		DIGITAL ANNOUNCEMENT TRUNK			
FUNCTION:					
This command is used to define the function of each Digital Announcement Trunk (DAT) accommodated into the system.					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + 49\text{YY} + \boxed{\text{DE}} + \text{DAT NUMBER (3 digits)} / \text{TENANT NUMBER (2 digits)} + \boxed{\text{DE}} + \text{DATA} + \boxed{\text{EXE}}$					
DATA TABLE:					
Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	000-001: Built-in DAT of MP card 002-127: DAT card number assigned by CM10/CM14	01 XX	1st Answering Message of Automated Attendant XX: Message No. (00-63)	CM08 CM10/CM14 CM64 CM30 Y=30, 31
			02 XX	2nd Answering Message/ Night Message of Automated Attendant XX: Message No. (00-63)	
			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
			07 XX	Transferred Trunk Line Message Service (Busy) XX: Message No. (00-63)	CM65 Y=51

Continued on next page

COMMAND CODE	TITLE:
49	DIGITAL ANNOUNCEMENT TRUNK

Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	000-001: Built-in DAT of MP card 002-127: DAT card number assigned by CM10/ CM14	03000	Night Announcement Service	CM10/CM14 CM30 Y=02-05 CM41 Y=0>45
			04 X Z	X: Announcement Service Group (0-4) Z: Announcement Service Message No. (0-9)	CM10/CM14 CM15 Y=034-039 CM35 Y=69-73
			08 XX	Voice Message Waiting Ser- vice XX: Message No. (00-09)	CM10/CM14 CM15 Y=041, 042 CM20>A113-A120
			09	Voice Message Waiting Service-Individual	
			0A00	Call Forwarding Intercept Announcement	CM10/CM14 CM51 Y=06-08
			0B0 XX	ACD/UCD Delay Announce- ment XX: ACD/UCD Group No. (00-15)	CM10/CM14 CM41 Y=0>16, 47 CM17 Y=A
			0C XX	Answering Message on Automatic Wake Up/Timed Reminder XX: Message No. (00-63)	CM10/CM14 CM41 Y=0>52 CM48 Y=1
			0D00	Announcement Service when the called station does not answer DID/Tie Line call NOTE	CM10/CM14 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	CM10/CM14 CM30 Y=02-05 CM51 Y=03, 04

NOTE: *Announcement Service is not available for CCIS trunk.*

Continued on next page

COMMAND CODE		TITLE:			
49		DIGITAL ANNOUNCEMENT TRUNK			
Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	000-001: Built-in DAT of MP card 002-127: DAT card number assigned by CM10/ CM14	0F XX	Attendant Delay Announcement XX: Message No. (00-63)	CM10/CM14 CM49 Y=0A, CM35 Y=74, CM41 Y=0>16, 47
			10	Announcement Service for OAI	CM10/CM14 CM15 Y=59 CM41 Y=0>56 CMD7 Y=2
			11 XX	Second Announcement of UCD delay announcement XX: UCD Group No. (00-15)	CM17 Y=2 CM41 Y=0>47 CM49 YY=00 -0B0XX
			12 XX	UCD Overflow Announcement XX: UCD Group No. (00-15)	CM10/CM14 CM17 Y=2 CM41 Y=0>66
			13 XX	Announcement-PS/WLAN Terminal No Answer XX: Message Group No. (00-63)	CM10/CM14 CM41 Y=0>01, 75 CM48 Y=5 CM49 Y=10
			14 XX	Announcement-PS Busy Line XX: Message Group No. (00-63)	CM10/CM14 CM41 Y=0>01, 75 CM48 Y=5 CM49 Y=10
			15 XX	Announcement-PS/WLAN Terminal Out of Cell (Zone)/ Power Off XX: Message Group No. (00-63)	CM10/CM14 CM41 Y=0>01, 75 CM48 Y=5 CM49 Y=10
			16 XX	Multi-connection Announce- ment Service for OAI XX: Message Group No. (02-63)	CM10/CM14 CM17 Y=1, A CM41 Y=0>67 CMD7 Y=2

Continued on next page

COMMAND CODE	TITLE:
49	DIGITAL ANNOUNCEMENT TRUNK

◀: Initial Data

Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	000-001: Built-in DAT of MP card 002-127: DAT card number assigned by CM10/ CM14	17 XX	Voice Guide XX: Message No. (00-63)	CM15 Y=116 CM49 Y=13 CM48 Y=2 CM41 Y=0>53
			1800	Announcement Service for Queue Limit for TAS/Over- flow for TAS Queue	CM51 Y=26
			1900	Restriction Announcement for Wake Up call	CM08>806 CM42>04
			21 XX	Announcement Service for Call Forwarding-Logout (D ^{term} IP) XX: Message Group No. (00-63) [Series 3100]	CM10/CM14 CM15 Y=481 CM41 Y=0>102 CM49 Y=14 CM51 Y=32
			2200	Announcement Service for the rejected calling number information [Series 3600]	CM51 Y=33
			NONE◀	No data	
01	Message No. of 1st Answering Message of Automated Atten- dant	00-63: Tenant No.	00-63	Message No. assigned by CM49 Y=00	CM49 Y=00
02	Message No. of 2nd Answering Message/ Night Message of Automated Attendant		NONE◀	No data	CM49 Y=00
05	Message No. of Hold Service				CM48 Y=0 CM49 Y=00

Continued on next page

COMMAND CODE	TITLE: DIGITAL ANNOUNCEMENT TRUNK
49	

◀: Initial Data

Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
06	Message No. of Transferred Trunk Line (No Answer)	00-63: Tenant No. Tenant No. of transferring station should be set.	00-63	Message No. assigned by CM49 Y=00 No data	CM49 Y=00 CM65 Y=50
07	Message No. of Transferred Trunk Line (Busy)		NONE◀		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 PS/WLAN Terminal No Answer				CM49 Y=00
11	Message Group No. of PS Busy Line				CM49 Y=00
12	Message Group No. of PS/WLAN Terminal Out of Cell (Zone)/PS/WLAN Terminal Power Off				CM49 Y=00
13	Message No. of Voice Guide	00: When Message waiting 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 No data	CM48 Y=2 CM49 Y=00>17XX

Continued on next page

COMMAND CODE	TITLE: DIGITAL ANNOUNCEMENT TRUNK
49	

◀: Initial Data

Y		DAT No. /TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
14	Message Group of Call Forwarding-Logout (D ^{term} IP) Announcement service [Series 3100]	00-63: Tenant No.	00-63 NONE◀	Message Group No. assigned by CM49 Y=00 No data	CM10/CM14 CM42 CM49 Y=00>21XX
20	FP number and the line number of MP built-in DAT to the Digital Announcement Trunk card number [Series 3200 R6.2 (R6.2)]	002-127: Digital Announcement Trunk Card No. NOTE	XX Z NONE◀	XX: FP No. (00-63) Z : Line No. of MP built-in DAT (0/1) No data	CM10/CM14

NOTE: *The Digital Announcement Trunk card number assigned by CM10/CM14 to the LEN cannot be set to the first data in this command and the Digital Announcement Trunk card number set in this command cannot be assigned to the LEN by CM10/CM14.*

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK
FUNCTION:	
This command is used to assign the schedule of Day/Night Mode Change by System Clock.	
PRECAUTION:	
<p>(1) For the normal operation of 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.</p> <p>(2) Day/Night Mode Change by System Clock can be invalidated temporarily by an external key assigned by CM61.</p> <p>(3) 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).</p> <p>(4) It takes approximately 4 to 8 seconds, to change the mode after the setting time.</p>	
ASSIGNMENT PROCEDURE:	
$\boxed{\text{ST}} + 4\text{AYY} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(1-4 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1-2 digits)} \end{matrix} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Calendar No.	00-63	Tenant No. 00-63	00 01 02 03 NONE◀ CCC	Calendar No. 1 Calendar No. 2 Calendar No. 3 Calendar No. 4 No data Data clear
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 20 21 22 23 24 25 26 27 NONE◀ CCC	Week schedule No. 0 Week schedule No. 1 Week schedule No. 2 Week schedule No. 3 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 Week schedule No. 0 Data clear

Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	Week schedule No. 0	0	Sunday	20	Time schedule No. 0
11	Week schedule No. 1	1	Monday	21	Time schedule No. 1
12	Week schedule No. 2	2	Tuesday	22	Time schedule No. 2
13	Week schedule No. 3	3	Wednesday	23	Time schedule No. 3
		4	Thursday	24	Time schedule No. 4
		5	Friday	25	Time schedule No. 5
		6	Saturday	26	Time schedule No. 6
				27	Time schedule No. 7
				NONE◀	Time schedule No. 0
				CCC	Data clear
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		NOTE 1	02	Mode A
23	Time schedule No. 3			03	Mode B
24	Time schedule No. 4			NONE◀	Day Mode
25	Time schedule No. 5			CCC	Data clear
26	Time schedule No. 6				
27	Time schedule No. 7				
90	Default pattern <div style="border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block;">OFF LINE</div>	00-63	Tenant No. 00-63	00	Default Pattern No. 0
				01	Default Pattern No. 1
				02	Default Pattern No. 2
				03	Default Pattern No. 3
				NONE◀	No data
				CCC	Data clear

NOTE 2

NOTE 1: Only “0” or “5” is available for the last digit number of minute at the 1st data of CM4A Y=20-27.

When the following last digit number is assigned, the number is corrected and set as follows:

<u>assigned number</u>	→	<u>corrected to</u>
1-4	→	0
6-9	→	5

NOTE 2: For the Default Pattern, see the following pages.

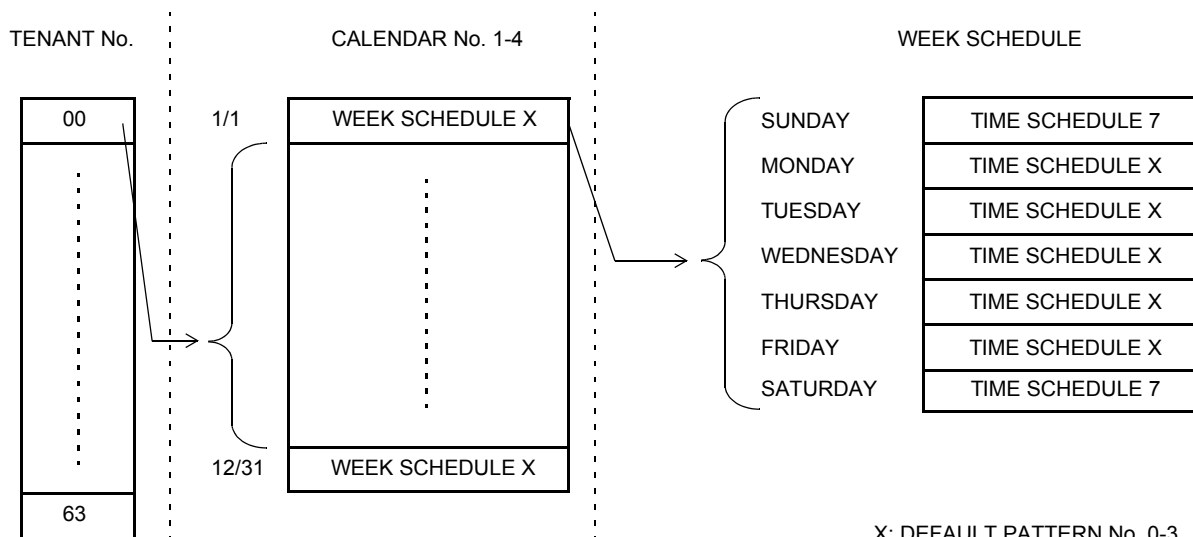
Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK

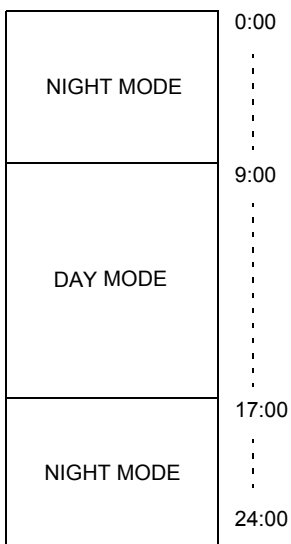
- Default Pattern
 By assigning CM4A Y=90; Default Pattern No. 0-3, you can simplify the schedule assignment for each tenant.
 The schedule of each Default Pattern can be changed after the Default Pattern has been assigned.

The following shows the summary of the Default Pattern and the schedule set by each Default Pattern.

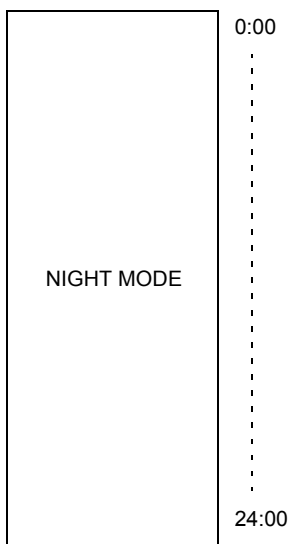
Summary of Default Pattern



TIME SCHEDULE X



TIME SCHEDULE 7



Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK

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

Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK

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:
50	COMMON ROUTE INDIAL
<p>FUNCTION:</p> <p>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=17, 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.</p>	
<p>PRECAUTION:</p> <p>None</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 50YY + DE + ^{KIND OF DATA} (1-3 digits) + DE + ^{DATA} (1-16 digits) + EXE </p>	

COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

DATA TABLE:

◀: Initial Data

Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
00	0	Two leading digits to be added NOTE 1: <i>CM35 Y=17 allows digits to be added or deleted from indialed digit streams on a route basis.</i>	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 ?	Access Code to be sent out to a VMS
	4	Access Code to be sent out after a Mail Box number NOTE 2, NOTE 3	XXXX (2-4 digits) NONE◀	X: 0-9, A (*), B (#), C/D (Pause) Not to be sent out
	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 a 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).

For providing the programmable pause, insert “D” instead of “C”.

(Programmable pause; CM41 Y=0>38)

Continued on next page

COMMAND CODE		TITLE:		
50		COMMON ROUTE INDIAL		
◀: Initial Data				
Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
01	0	Effective data in CM35 Y=15	X	Dialed number NOTE 2
	1	LDN 0 key (Data 00 in CM46 or CM90)	?	
	?	?	XXXX	
	8	LDN 7 key (Data 07 in CM46 or CM90) NOTE 1	(1-4 digits) NONE◀		No data
02	0	Effective data in CM35 Y=15	X	Dialed number NOTE 2
	1	TIE 0 key (Data 40 in CM46 or CM90)	?	
	?	?	XXXX	
	8	TIE 7 key (Data 47 in CM46 or CM90) NOTE 1	(1-4 digits) NONE◀		No data
05	00	ISDN/SIP Local Office Code Table No. 00	XX...XX	ISDN/SIP Local Office Code
	?	?	(Maximum 12 digits)	
	14	ISDN/SIP Local Office Code Table No. 14	NONE◀		No data
06	000	Trunk No. 000-254 of Mate-Side Virtual Trunk for Event Based CCIS	XX...XX	ISDN Subscriber number of own office which is sent to the opposite office for verification of connection, for Event Based CCIS
	?		(Maximum 16 digits)	
	254		NONE◀		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 (#) No data
08	0	Destination No. 0-7 for sending BLF message via CCIS ☞ See CM12 Y=30-37	00001	Destination Point Code
	?		?	
	7		16367 NONE◀		Not sent

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/CM14 and CM11.

Continued on next page

COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

◀: Initial Data

Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
10	0	Abbreviated code of the VMS number for Voice Mail Live Record-CCIS set by CM72 Y=0 [Series 3700 R12.1] See CM71>66, CM72 Y=0	00 ? 99 NONE◀	Abbreviated code No data
11	0 ? 7	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 [Series 3800] 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 EU] [Series 3900] See CM35 Y=284	X ? XXXXXXXX (1-8 digits) NONE◀	Local Area Code + Mobility Access Prefix Code X: 0-9, A (*), B (#) No data

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** + [DE] + **DATA** + [EXE]
 (2 digits) (1-8 digits)

DATA TABLE:

◀: Initial Data

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 ? XXXXXXXXX or E000 or EB000 ? EB127 NONE◀	Station No. Attendant Console Digital Announce- ment Trunk No. assigned by CM10/CM14 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				
07	Same as CM51 Y=06 (for Tie Line call) (Effective when CM08>032 is 1) See CM08>032				

Continued on next page

COMMAND CODE		TITLE:			
51		AUTOMATIC TRANSFER DESTINATIONS			
◀: Initial Data					
Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
08	Same as CM51 Y=06 (for station call)	00 ? 63	Tenant 00 ? Tenant 63	E000 or EB000 ? EB127 NONE◀	Attendant Console Digital Announce- ment Trunk No. assigned by CM10/CM14 No data
09	Transfer destination of incoming call when a called station is set to Call Forwarding-Busy Line/Don't Answer (No Answer) and the destination of forwarded call is set to the Attendant Console Night Mode is set (for DID/Tie Line call) [Series 3600]			X ? XXXXXXXXX NONE◀	Station No. No data
<p>NOTE: In the following cases, the transfer destination can be also assigned by CM51 Y=09.</p> <ul style="list-style-type: none"> - Transferring a DID/Tie Line call when Do Not Disturb is set to the called station [Series 3600] - Transferring a station call/Priority Call to Attendant Position Night Mode is set [Series 3700 R12.1] - Transferring DID/Tie Line/station call when the called station is set to Call Forwarding-Busy Line/Don't Answer (No Answer) and the destination of forwarded call is set to the Attendant Position Night Mode is set [Series 3700 R12.1] 					
10	Transfer destination of incoming call when Do Not Disturb is set to the called station (for station call)	00 ? 63	Tenant 00 ? Tenant 63	X ? XXXXXXXXX E000 NONE◀	Station No. Attendant Console No data
<p>NOTE: For DID/Tie Line call, the transfer destination can be assigned by CM51 Y=09. [Series 3600]</p>					

Continued on next page

COMMAND CODE		TITLE:			
51		AUTOMATIC TRANSFER DESTINATIONS			
◀: Initial Data					
Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	Transfer destination of the call when the Room Cutoff station dials C.O. access code	00 ?	Tenant 00 ?	X ?	Station No.
12	Transfer destination of Off-Hook Alarm/Priority Call 0/1 See CM08>250, 251, CM13 Y=02, CM15 Y=17, 18	63	Tenant 63	XXXXXXXXX or E000 NONE◀	Attendant Console No data
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 ? XXXXXXXXX NONE◀	Station No. No data
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 ? XXXXXXXXX or 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 ? XXXXXXXXX NONE◀	Fax Station No. No data
15	Destination of the call from the station to which Message Waiting has been set See CM13 Y=13	00 ? 63	Tenant 00 ? Tenant 63	X ? XXXXXXXXX or E000 NONE◀	Station No. Attendant Console No data

Continued on next page

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Initial Data

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
16	Alarm display on D ^{term} See CM90 Y=00: F5020	01	D ^{term} No. 1	X	My Line No.
		02	D ^{term} No. 2	? XXXXXXXXX NONE◀	No data
	911 Notification on D ^{term} /DESKCON [Series 3300] [North America Only] See CM90 Y=00: F5025 (for D ^{term}) See CM90 Y=00: F6124 (for DESKCON)	04	D ^{term} /DESK CON No. 1	X	Station No.
		05	D ^{term} /DESK CON No. 2	? XXXXXXXXX or E000 ? E007 NONE◀	Attendant Console 0-7 No data
17	Destination of the call after the first time interval of ACD/UCD Display Announcement	00	Tenant 00	X	Station No.
		?	?	?	
		63	Tenant 63	XXXXXXXXX or E000 NONE◀	Attendant Console No data
				X ? XXXXXXXXX NONE◀	VMS Station No. No data
				X ? XXXXXXXXX NONE◀	Station No. No data
18	Transfer destination (to VMS) of the call that is set Camp-On and not answered/Transfer destination for Call Redirect			X ? XXXXXXXXX NONE◀	VMS Station No. No data
20	Destination (to VMS) of Call Forwarding-Not Available in PS/WLAN			X ? XXXXXXXXX NONE◀	Station No. No data
21	Destination of Alternate Hold Recall for Enhanced Trunk Direct Appearance			X ? XXXXXXXXX NONE◀	Station No. No data
22	Transfer destination of the call for Call Redirect			X ? XXXXXXXXX NONE◀	Station No. No data

Continued on next page

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Initial Data

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
26	Transfer destination of call forwarding by Queue Limit for TAS/Overflow for TAS Queue (for Day Mode) See CM49 Y=00: 1800	00 ? 63	Tenant 00 ? Tenant 63	X ? XXXXXXXXX or E000 or EB000 ? EB127 NONE◀	Station No. Attendant Console Digital Announce- ment Trunk No. assigned by CM10/CM14 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 ? XXXXXXXXX NONE◀	Station No. No data
31	Destination of Attendant Overflow			X ? XXXXXXXXX NONE◀	Station No./Vir- tual Line Station No. assigned by CM11 No data
32	Destination of Call Forwarding-Logout (D ^{term} IP) [Series 3100] See CM49 Y=00: 21 XX			EB000 ? EB127	Digital Announce- ment Trunk No. assigned by CM10/CM14
33	Transfer destination of the call when the calling number is not informed from network [Series 3600] See CM49 Y=00: 2200			X ? XXXXXXXXX or E000 or EB000 ? EB127 NONE◀	Station No. Attendant Console Digital Announce- ment Trunk No. assigned by CM10/CM14 No data

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:	
<p>(1) 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.</p> <p>(2) The station number to be assigned as Calling Side should have been set as “Hot Line/Delayed Hotline” via CM12 Y=03.</p> <p>(3) If Hot Line-Outside/Delayed Hotline-Outside is assigned by CM52, data assignment via CM71 and CM72 are required.</p>	
ASSIGNMENT PROCEDURE:	
$\boxed{\text{ST}} + 52\text{YY} + \boxed{\text{DE}} + \begin{matrix} \text{CALLING SIDE/} \\ \text{CALLED SIDE} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(1-8 digits)} \end{matrix} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
52	HOT LINE/DELAYED HOTLINE

DATA TABLE:**Hot Line/Delayed Hotline**

◀: Initial Data

Y		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ? 99	Hot Line/Delayed Hotline Pair number 00-99	0	Calling Side	X ? XXXXXXXXX NONE◀	Station No./Virtual Station No. See CM12 Y=03 NOTE
				No data	
		1	Called Side	X ? XXXXXXXXX	Station No. NOTE
				E00X	Attendant Console No. (X: 0-7) See CM06 CM10/CM14
				CXX	Trunk outgoing call XX: Abbreviated code of Speed Calling System (System Speed Dialing) See CM71 CM72
		NONE◀	No data		

FAX Incoming Call Lamp Indication

◀: Initial Data

Y		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ? 99	Pair number 00-99	0	Calling Side	X ? XXXXXXXXX NONE◀	Fax Call Station No. NOTE
				No data	
		1	Called Side	X ? XXXXXXXXX NONE◀	Fax Station No. NOTE
				NONE◀	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:

◀: Initial Data

Y		CONDITION		SETTING DATA	
No.	MEANING	CODE	MEANING	DATA	MEANING
0	TAS Answer A (CM20>A047)	0	Answering C.O. Ring-Down incoming Call ☞ See CM30 Y=02, 03	0	Not allowed
				1 ◀	Allowed
1	TAS Answer B (CM20>A048)	1	Answering DID Tie Line incoming Call ☞ See CM58 Y=02-07	0	Not allowed
				1 ◀	Allowed
2	TAS Answer C (CM20>A049)	3	Answering a C.O. incoming Call (Night) in the case of Day/ Night Changeover System ☞ See CM30 Y=03	0	Not allowed
3	TAS Answer D (CM20>A050)	3	Answering a C.O. incoming Call (Night) in the case of Day/ Night Changeover System ☞ See CM30 Y=03	1 ◀	Allowed
4	TAS Answer E (CM20>A051) ☞ See CM20	4	Answering an overflow call of Direct-In Termination ☞ See CM30 Y=13, 14	0	Not allowed
				1 ◀	Allowed
7	Own and Other Tenant Answer, or Own Tenant Answer	7	Own and Other Tenant Answer, or Own Tenant Answer	0	Own and Other Tenant Answer ☞ See CM63
				1 ◀	Own Tenant Answer

COMMAND CODE	TITLE: PAGING GROUP/INTERCOM GROUP
56	

FUNCTION:

This command is used to assign the D^{term} station number for Automatic/Manual/Dial Intercom and Internal Zone Paging.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 56YY + [DE] + SERIAL No. / INTERCOM No. + [DE] + DATA + [EXE]
 (2 digits) / (4 digits) (1-8 digits)

DATA TABLE:

◀: Initial Data

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	00-15: Serial number within the group	X ∩ XXXXXXXXXX NONE◀	My Line number of D ^{term} /Virtual PS sta- tion number No data	CM15 Y=49 CM20>A130- A145 CM90
	Simultaneous Paging Group 0 ∩ Simultaneous Paging Group 7	00-15: Serial number within the group	X ∩ XXXXXXXXXX NONE◀	My Line number of D ^{term} /Virtual PS/ WLAN Terminal sta- tion number No data	CM15 Y=119 CM20>A200- A227 CM90
10	Automatic Intercom number	A000 A100, A001 A101, ∴ A031 A131	X ∩ XXXXXXXXXX	My Line number of D ^{term}	CM11 CM12 Y=03 CM90 CM08>237

NOTE: A maximum of 6 zone (CM65 Y=0-5) internal paging groups are available for All Zone Internal Paging.

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COMMAND CODE	TITLE:
56	PAGING GROUP/INTERCOM GROUP

Y		INTERCOM No./ SERIAL No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
11	Manual Intercom number	A200 ∟ A700 A201 ∟ A701 ∴ A224 ∟ A724	X ∟ XXXXXXXXXX	My Line number of D ^{term}	CM11 CM12 Y=03 CM90 CM08>238
12	Dial Intercom number	B000 ∟ B900 B001 ∟ B901 ∴ B024 ∟ B924	X ∟ XXXXXXXXXX	My Line number of D ^{term}	CM11 CM12 CM90 CM08>239

COMMAND CODE	TITLE:
57	32-PARTY CONFERENCE/GROUP CALL
FUNCTION: This command is used to assign the conference group numbers and participant numbers for the conference using the CFTC card. This command is also used to assign the Group Call numbers and stations for Group Call by Pilot Number Dialing, without using the CFTC card.	
PRECAUTION: None	
ASSIGNMENT PROCEDURE: $\boxed{\text{ST}}$ + 57YY + $\boxed{\text{DE}}$ + 1ST DATA (2 digits) + $\boxed{\text{DE}}$ + 2ND DATA (1-16 digits) + $\boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
57	32-PARTY CONFERENCE/GROUP CALL

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ∟ 07	Group No. 0-7	00 ∟ 30	Participant No. 00-30 NOTE 1	X-XX...XX (Maximum 16 digits) NOTE 2, 3	Participant station number Trunk Access Code and participant number LCR Access Code and participant number
10 ∟ 29	Group Call No. 00-19	00 ∟ 31	Serial No. 00-31 within the group	X-XXXXXXXX NONE ◀ NOTE 3	Station No. assigned by CM10/CM14 Virtual Station No./WLAN Virtual Station No. assigned by CM14 No data
30	Specification of the My Line number that displays the calling number [Series 3600]	XX YY	XX : Tenant No. 00-63 YY : Allocation No. 00-07	X-XXXXXXXX	My Line No.
NOTE: 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.					

NOTE 1: Assign the following participant numbers as the first data.

- 8-Party Conference : 00-06
- 16-Party Conference : 00-14
- 32-Party Conference : 00-30

NOTE 2: X=0-9, A (*), B (#), C (fixed pause), D (programmable pause).

NOTE 3: The maximum number of simultaneous calling for single line stations/PSs/WLAN Stations is 12 per FP. When the number of single line stations/PSs/WLAN Stations exceeds 12, allocate the rest of stations to another FP. For a D^{term} (My Line/Virtual Line), there is no limit as the above.

COMMAND CODE	TITLE: LDN DIVERSION
58	

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	NOTE	MEANING
00		Effective data in CM35 Y=15
01		LDN 0 Key
?		?
08		LDN 7 Key
		LDN Key is assigned by CM46 or CM90
		CM46 00-07 [Large type ATTCON] CM90 Y=00: F6000-F6007 [ATTCON/DESKCON]
10		Effective data in CM35 Y=15
11		TIE 0 Key
?		?
18		TIE 7 Key
		TIE Key is assigned by CM46 or CM90
		CM46 40-47 [Large type ATTCON] CM90 Y=00: F6040-F6047 [ATTCON/DESKCON]

NOTE: Data set by CM58 is effective based on the data assigned by CM50 Y=01/02.

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COMMAND CODE	TITLE: LDN DIVERSION
58	

◀: Initial Data

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 01 ∟ 07 08 09 NONE◀	Attendant Console Busy Key] Not used 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

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COMMAND CODE	TITLE:
58	LDN DIVERSION

◀: Initial Data

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
06	Day Mode diversion for non-answering destination station	00 01 ? 07 08 NONE◀	Attendant Console "NANS" Key] Not used TAS 🔗 See CM53 No data
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 ? XXXXXXXXX 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 ? XXXXXXXXX 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 PN-DK00 card.			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + 59 + \boxed{\text{DE}} + \begin{matrix} \text{FUNCTION} \\ \text{NUMBER} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{EXE}}$			
DATA TABLE:			
			◀: Initial Data
FUNCTION NUMBER	PURPOSE	DATA	MEANING
00	TAS/ACD/UCD Relay Interruption Pattern CM44>13XX 14XX	01	30 IPM
		02	60 IPM
		03	120 IPM
		07	Steady on
		NONE◀	120 IPM

COMMAND CODE	TITLE:
5A	VIRTUAL LINE-VIRTUAL TRUNK PATH SETTING/ASSOCIATION OF VIRTUAL PS STATION/WLAN VIRTUAL STATION NUMBER AND PS STATION/WLAN STATION NUMBER

(INITIAL)

FUNCTION:

Specify a path between the virtual line and virtual trunk for Wireless Communication System.

PRECAUTION:

The following data are set automatically by the virtual line-trunk path setting of CM5A Y=00. If you clear CM5A Y=00 setting data, the following data are also cleared automatically.

(1) For Integrated/Adjunct CCIS

COMMAND CODE	MEANINGS	1ST DATA	2ND DATA	MEANING
CM12 Y=00	DTMF/DP	Virtual Station No.	1	DP
CM13 Y=18	Reverse signal sending to station	Virtual Station No.	0	Send
CM30 Y=00	Trunk route allocation	Virtual Trunk No.	63	NOTE Trunk Route No. 63
CM30 Y=02	Terminating system in Day Mode	Virtual Trunk No.	04	DIT
CM30 Y=03	Terminating system in Night Mode	Virtual Trunk No.	04	DIT
CM30 Y=04	Destination of DIT in Day Mode	Virtual Trunk No.	PS Station No.	Station No. of DIT destination
CM30 Y=05	Destination of DIT in Night Mode	Virtual Trunk No.	PS Station No.	Station No. of DIT destination
CM30 Y=40	Terminating system in Mode A	Virtual Trunk No. 256-511	04	DIT
CM30 Y=41	Terminating system in Mode B	Virtual Trunk No. 256-511	04	DIT
CM30 Y=42	Direct-In termination in Mode A	Virtual Trunk No. 256-511	PS Station No.	Station No. of DIT destination
CM30 Y=43	Direct-In Termination in Mode B	Virtual Trunk No. 256-511	PS Station No.	Station No. of DIT destination
CM12 Y=16	Trunk seized	PS Station No.	Virtual Trunk No.	Trunk No.

NOTE: *The trunk route data must be assigned by CM35, because the trunk route data are not automatically assigned.*

The trunk route of the Virtual Trunk is 63 by the default data setting. If you want other use for the trunk route 63, change the trunk route number of Virtual Trunk route by CM30 Y=00.

Continued on next page

COMMAND CODE	TITLE:
5A	VIRTUAL LINE-VIRTUAL TRUNK PATH SETTING/ASSOCIATION OF VIRTUAL PS STATION/WLAN VIRTUAL STATION NUMBER AND PS STATION/WLAN STATION NUMBER

INITIAL

- (2) For Multi-site Roaming Visitor PS
[North America/Latin America]

COMMAND CODE	MEANINGS	1ST DATA	2ND DATA	MEANING
CM12 Y=00	DTMF/DP	Virtual Station No. assigned by CM10/CM14	1	DP
CM13 Y=18	Reverse signal sending to station	Virtual Station No. assigned by CM10/CM14	0	Send
CM30 Y=00	Trunk route allocation	Virtual Trunk No. 256-511	63	NOTE 1 Trunk Route No. 63
CM30 Y=02	Terminating system in Day Mode	Virtual Trunk No. 256-511	04	NOTE 2 Direct-In Termination
CM30 Y=03	Terminating system in Night Mode	Virtual Trunk No. 256-511	04	NOTE 2 Direct-In Termination
CM30 Y=40	Terminating system in Mode A	Virtual Trunk No. 256-511	04	NOTE 2 Direct-In Termination
CM30 Y=41	Terminating system in Mode B	Virtual Trunk No. 256-511	04	NOTE 2 Direct-In Termination

NOTE 1: *The trunk route data must be assigned by CM35, because the trunk route data are not automatically assigned.*

The trunk route of the Virtual Trunk is 63 by the default data setting. Be sure to assign the separate trunk route number of Virtual Trunk for Home PS and Visitor PS by CM30 Y=00.

NOTE 2: *The second data of CM30 Y=02, 03, 40, 41 are set to "4" (Direct-In Termination) automatically by CM5A Y=00.*

Be sure to change these data to "22" (Roaming Termination), for Roaming service.

COMMAND CODE	TITLE: VIRTUAL LINE-VIRTUAL TRUNK PATH SETTING/ASSOCIATION OF VIRTUAL PS STATION/WLAN VIRTUAL STATION NUMBER AND PS STATION/WLAN STATION NUMBER
5A	

INITIAL

ASSIGNMENT PROCEDURE:

ST + 5AYY + DE + 1ST DATA (1-8 digits) + DE + 2ND DATA (1-8 digits) + EXE

DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
00	256-511 NOTE	Virtual Trunk number	X-XXXXXXXX (1-8 digits) NONE◀	Virtual Station No. assigned by CM10/CM14 No data	CM10/CM14 CM1C
10 [Series 3300]	X-XXXXXXXX (1-8 digits)	Virtual PS Station/WLAN Virtual Station number by CM14	X-XXXXXXXX (1-8 digits) NONE◀	PS Station/WLAN Station number by CM1C No data	CM14 CM1C

NOTE: By CM1C setting, Virtual Trunk No. is determined as follows;
Virtual Trunk No. = Virtual PS LEN plus 256

Example: *Virtual PS LEN: 000 (CM1C>000)*
Virtual Trunk No.: 256 (CM5A Y=00>256)

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:					
$\boxed{\text{ST}}$ + 5BYY + $\boxed{\text{DE}}$ + 1ST DATA (5 digits) + $\boxed{\text{DE}}$ + 2ND DATA (12 digits) + $\boxed{\text{EXE}}$					
DATA TABLE:					
◀: Initial Data					
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	0000000 00000 ? 2552552 55255 NONE◀	Destination IP Address of opposite IP trunk/opposite Virtual IP trunk/opposite SIP trunk NOTE 2 No data
<p>NOTE 1: IP Address number (00-07) is the number for specifying the IP Address of opposite office which has plural IP Addresses, when the offices are connected with Point-to-Multipoint. If the opposite office has plural IP Addresses, set plural IP Address numbers. If the opposite office has only one IP Address such as 2000 IPS, set one IP Address number.</p> <p>NOTE 2: Destination IP Address of opposite IP trunk/opposite Virtual IP trunk/opposite SIP trunk is the IP Address of opposite 2000 IPS assigned by CM0B Y=00/02 or the IP Address of opposite 2400 IPX.</p> <p>NOTE 3: This command should be assigned from the leading number of 1st data (IP Address pattern No. + IP Address No.).</p> <p>NOTE 4: For SIP trunk over the NAT, assign the destination IP Address of SIP card under the same NAT.</p> <p>NOTE 5: For SIP trunk over the NAT, use the IP Address pattern No. assigned by CMBA Y=129.</p>					
02	Destination Base First Port No. for Voice Packet transmitting/receiving for SIP trunk [Series 3700 R12.2]	XXX ZZ	XXX: 000-255 (IP Address Pattern No.) ZZ: IP Address No. 00-07 NOTE 1	01024 ? 65000 NONE◀	RTP Base Port No. for Voice Packet transmitting/receiving for SIP trunk No data
<p>NOTE 1: For SIP over the NAT, assign the destination RTP Base Port No. for Voice Packet transmitting/receiving for SIP trunk under the same NAT.</p> <p>NOTE 2: To register multiple destination, set the 2nd data opening 320 or more.</p>					

COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

FUNCTION:

This command is used to assign a number to an Attendant 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 setting CM60 Y=00, 01, 02, 04, 06, 22, system reset is required.
- (2) The data for each Attendant Console type is shown below.

KIND OF ATTCON	Y															
	00	01	02	04	06	16	17	22	23	26	27	30	32	33	34	
Large type ATTCON	x	x	x	x	x	-	-	-	-	x	-	-	-	-	-	
ATTCON/DESKCON	x	x	x	x	x	x	x	x	x*	-	x	x	x	x	x	

x: To assign -: Not assigned

*: CM60 Y=23 is only available for DESKCON.

- (3) When assigning a password code for ATTCON/DESKCON by CM60 Y=30, the Function number (0/1) is required as the first data. The purpose of Function numbers is shown below.
 - 0: To assign a password for Attendant Lockout
 - 1: To assign a password for Attendant Programming the following features:
 - Remote Access to System (DISA), Speed Calling-System (System Speed Dialing), Date and Time, Choice of Night Service and Tone Ringer

ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 60\text{YY} + \boxed{\text{DE}} + \frac{\text{ATTCON NUMBER (0-7)}}{\text{FUNCTION NUMBER (0/1)}} + \boxed{\text{DE}} + \text{DATA (1-8 digits)} + \boxed{\text{EXE}}$$

$$\boxed{\text{ST}} + 6030 + \boxed{\text{DE}} + \frac{\text{FUNCTION NUMBER (0/1)}}{\text{FUNCTION NUMBER (0/1)}} + \boxed{\text{DE}} + \text{DATA (1-8 digits)} + \boxed{\text{EXE}}$$

COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

DATA TABLE:

◀: Initial Data

Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	ATT GROUP (INITIAL)	0 1 2 3	ATT GROUP 0 ATT GROUP 1 ATT GROUP 2 ATT GROUP 3	CM62 CM51 Y=13
01	Designation of Master ATT within ATT Group (INITIAL)	0 1◀	Master ATT Not Master ATT NOTE 1	
02	Trunk Restriction Class change by NT Switch NOTE 2 (INITIAL)	0 1◀	Effective Ineffective	CM12 Y=01
04	Outgoing call restriction on Night Mode by NT Switch NOTE 2 (INITIAL)	0 1◀	Effective Ineffective	CM30 Y=08
06	Day/Night mode change by NT Switch NOTE 2 (INITIAL)	0 1◀	Effective Ineffective	CM30 Y=02, 03, 04, 05, 13, 14 CM76 Y=01, 02 CM58 Y=02-09
16	Off Hook Ringing for ATTCON/DESKCON (INITIAL)	0 1◀	Effective Ineffective	
17	ATTCON/DESKCON Multi-Function Key (INITIAL)	0 1◀	Ineffective Effective	CM90 Y=00

NOTE 1: Master ATT must be assigned to a single Attendant Console within the ATT Group.

NOTE 2: These data are effective for NITE key on large type ATTCON, and Day/Night Mode Change key on ATTCON/DESKCON. NT switch is effective only on the Master ATT assigned by CM60 Y=01.

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COMMAND CODE	TITLE: ATT TENANT GROUP, FUNCTIONS
60	

◀: Initial Data

Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
22	Kind of Attendant Console (INITIAL)	0 1◀	DESKCON ATTCON	
23	Keep volume level changed by volume button on DESKCON, after the call is finished (INITIAL)	0 1◀	Allow Restricted	
26	Designation of Busy Lamp Field-Fixed displayed stations hundred's group for Large type ATTCON	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
27	Tone Ringer for ATTCON/DESKCON (INITIAL)	0 1 2 3◀	600 + 700 480 + 606 × 8 (Hz) 1024 + 1285 × 16 (Hz) 480 + 606 × 16 (Hz)	
30	Password for ATTCON/DESKCON	X ∟ XX...XX NONE◀	Password (Maximum 8 digits) X=0-9, A (*), B (#) NOTE: In the initial data (NONE), the password is set to "12345678".	
32	Charging Class number for ATTCON/DESKCON [Series 3300]	00 ∟ 15◀	Class No. 00 ∟ Class No. 15	CMDD04

Continued on next page

COMMAND CODE		TITLE:		
60		ATT TENANT GROUP, FUNCTIONS		
◀: Initial Data				
Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
33	Display language for ATTCON/ DESKCON LCD [Series 3600]	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 [For EU] [Series 3800] As per CM04 Y=00>00	
34	Displaying pattern of Caller ID on the LCD of ATTCON before answering or after answering a trunk call [Series 3800]	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	
51	ATTCON number for PS-display [Series 3500] INITIAL	X ? XX...XX	ATTCON No. for PS-display (1 digit-8 digits)	CM20>800

COMMAND CODE	TITLE: EXTERNAL KEY FUNCTION
61	

FUNCTION:

This command is used to activate and specify the function of the switch closure detection circuit card (PN-DK00 or MP) when interfaced with external keys.

PRECAUTION:

For built-in External Key Interface of MP card, assign Key number 633 (Card No. 63, circuit No. 3).

ASSIGNMENT PROCEDURE:

[ST] + 61YY + [DE] + KEY NUMBER (3 digits) + [DE] + DATA (1-2 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y		KEY NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
00	Destination of Tenant	XX Z	XX: Card No. (00-63) of PN-DK00 Z : Circuit No. (0-3)	00 ? 63	Tenant 00 ? Tenant 63	
01	Change Day/Night trunk restriction class by external key		NOTE: <i>Card Number corresponds to 00-63 of CM10/CM14>E900-E963.</i> 633: Built-in External Key Interface of MP card	0 1◀	Effective Ineffective	CM12 Y=01
03	Outgoing call restriction on Night Mode by external key			0 1◀	Effective Ineffective	CM30 Y=08
05	Day/Night Mode change by external key			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			0 1◀	Effective Ineffective	CM63 Y=1

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COMMAND CODE	TITLE: EXTERNAL KEY FUNCTION
61	

◀: Initial Data

Y		KEY NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
30	Service operation by external key	XX Z	XX: Card No. (00-63) of PN-DK00 Z : Circuit No. (0-3) NOTE: <i>Card Number corresponds to 00-63 of CM10/CM14>E900-E963.</i> 633: Built-in External Key Interface of MP card	00 01 NONE◀	MJ/MN Alarm Clear key Day/Night Mode Change by System Clock Cancel key No data	

COMMAND CODE	TITLE:	INITIAL
62	TENANTS FOR EACH ATT GROUP	

FUNCTION:

This command is used to assign which tenants are handled by each ATTCON Group.

PRECAUTION:

- (1) This command requires a system reset 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:

◀: Initial Data

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:

◀: Initial Data

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	CM61 Y=06 CM08>150 CM12 Y=04
2	Restriction of incoming DID/Tie line call/Auto-mated 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

FUNCTION:

This command is used to define the answering system of the Automated Attendant feature.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 64Y + [DE] + TENANT NUMBER (2 digits) + [DE] + DATA (1-4 digits) + [EXE]

DATA TABLE:

◀: Initial Data

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 CM45 Y=2 CM49 CM63 Y=2
			01	Hold Tone on MP card + DT connection	
			02	1st Answering Message + DT connection	
			03◀	DT connection	
1	Tenant Number for Music on Hold	00-63	00	External Hold Tone	CM10/CM14>DA00-DA09 CM48 CM44
			?	Source number assigned by CM10/CM14	
			NONE◀	No data	
2	Answering System for Night Mode	00-63	00	DT connection	CM30 Y=02, 03 CM41 Y=0>33, 43 CM49 Y=00>02XX, Y=02 CM64 Y=0
			01	Hold Tone on MP card + DT connection	
			02	Night Message + DT connection NOTE 2	
			03◀	As per CM64 Y=0	

NOTE 1: If no tone connection is required, Dial Tone sending can be stopped by CM48 Y=2.

NOTE 2: When providing a Night Message for Automated Attendant, the 2nd data 08 of CM30 Y=30, 31 cannot be specified for handling of busy/not available Automated Attendant destination.

Continued on next page

COMMAND CODE		TITLE:			
64		AUTOMATED ATTENDANT			
◀: Initial Data					
Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
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		
10	Trunk access code for call forwarding in Mobility Access mode [Series 3700 R12.1]		X-XXXX NONE◀	Trunk Access Code (1-4 digits) No data	CM15 Y=216 CM76 Y=41
11	Trunk access code for ISDN Alternative Routing in Remote PIM survival mode [Series 3700 R12.2]		X-XXXX NONE◀	Trunk Access Code (1-4 digits) ISDN Alternative Routing disabled	
12	Method of ISDN Alternative Routing in Remote PIM survival mode [Series 3700 R12.2]	0 1 2 3◀	Destination station number of each station Destination station number of each tenant Destination station number of each tenant + Sub-address ISDN Alternative Routing disabled	CME6 Y=51	
NOTE: When the 2nd data is set to "0" and CME6 Y=51 is set to "NONE", this command operates as well as 2nd data is set to 1.					
13	Destination of ISDN Alternative Routing in Remote PIM survival mode (tenant basis) [Series 3700 R12.2]	00-63	X ? XX...XX NONE◀	Destination C.O. line number (Maximum 26 digits) No data	CM64 Y=12
NOTE: When 2nd data of CM64 Y=12 is set to "1/2", the destination is set by this command.					

COMMAND CODE	TITLE:
65	SERVICE FEATURES 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 digit) + [EXE]

DATA TABLE:

◀: Initial Data

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
19	Do Not Disturb [Series 3500]	00-63	0	Not provided	CM15 Y=19 CM15 Y=189
			1 ◀	To provide	
23	Call Forwarding type when an internal call from station/attendant is terminated		0	Split Call Forwarding-All Calls/Busy Line/Don't Answer	
			1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer	
24	Call Forwarding type when a C.O. incoming call is terminated		0	Split Call Forwarding-All Calls/Busy Line/Don't Answer	
			1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer	
25	Call Forwarding type when a Tie Line incoming call is terminated		0	Split Call Forwarding-All Calls/Busy Line/Don't Answer	
		1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer		
26	Number Display through CCIS for SMDR	0	My Line number		
		1 ◀	Sub Line number		
27	ACD (Automatic Call Distribution)	0	ACD		
		1 ◀	Not ACD		

Continued on next page

COMMAND CODE	TITLE:
65	SERVICE FEATURES ON TENANT BASIS

◀: Initial Data

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
28	RR sending priority when receiving OAI SCF	00-63	0	Send RR signal after SMFN	
			1 ◀	Send RR signal before SMFN	
29	Terminating System Mode Change		0	Two kinds of mode (Day Mode, Night Mode)	
			1 ◀	Four kinds of mode (Day Mode, Night Mode, Mode A, Mode B)	
30	VMS Password Privacy		0	Allowed	CM13 Y=10
			1 ◀	Not allowed	
34	Calling Party number sent to MCI when accessing VMS from a sub line assigned on D ^{term}		0	Sub Line number	
		1 ◀	My Line number		
36	Trunk Restriction Class change according to the schedule of Day/Night Mode Change by System Clock	0	Provide (Day Mode/Night Mode only)	CM4A CM65 Y=29	
		1 ◀	Not provided		
37	Call Forwarding type when an internal call from station/attendant is terminated via CCIS NOTE	0	Split Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)	CM08>608 CME6 Y=04, 05 CM78	
		1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)		

NOTE: CM65 Y=37/38/39 is effective only when CM08>608 2nd data=0.

Continued on next page

COMMAND CODE	TITLE: SERVICE FEATURES ON TENANT BASIS
65	

◀: Initial Data

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
38	Call Forwarding type when a C.O. incoming call is terminated via CCIS NOTE	00-63	0	Split Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)	CM08>608 CME6 Y=04, 05 CM78
			1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)	
39	Call Forwarding type when a Tie Line incoming call is terminated via CCIS NOTE		0	Split Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)	
		1 ◀	Call Forwarding-All Calls/Busy Line/Don't Answer (No Answer)		
40	D ^{term} ring frequency [Series 3200 R6.1 (R6.1)]		0	See below	CM15 Y=83, 84, 93 CM35 Y=34, 164 CM76 Y=23
		1 ◀			

Ringer Tone Pattern No.	Y=40: 0	Y=40: 1 ◀	
		D ^{term} 70 (Electra Terminal)/ D ^{term} 65 (D ^{term} Series III)	D ^{term} 70 (Elite Terminal)/ D ^{term} 75 (Series E)/ D ^{term} 85 (Series i)
0	Door Phone Ringer Tone	1024 + 1285 [Hz]/ 16 [Hz] Modulating Signal	1100 + 1400 [Hz]/ 16 [Hz] Modulating Signal
1	Ringer Tone 1	480 + 606 [Hz]/ 8 [Hz] Modulating Signal	520 + 660 [Hz]/ 8 [Hz] Modulating Signal
2	Ringer Tone 2	600 + 700 [Hz]/ 16 [Hz] Modulating Signal	660 + 760 [Hz]/ 16 [Hz] Modulating Signal
3	Ringer Tone 3	1024 [Hz] Envelop	1100 [Hz] Envelop
4	Ringer Tone 4	500 [Hz]	540 [Hz]
5	Ringer Tone 5	1024 [Hz]	1100 [Hz]
6	Not used	1285 + 1024 [Hz]	1400 + 1100 [Hz]
7	Not used	480 + 606 [Hz]/ 16 [Hz] Modulating Signal	520 + 660 [Hz]/ 16 [Hz] Modulating Signal

NOTE: This data is effective only for D^{term}85 (Series i). When using D^{term}60 (Electra Terminal)/D^{term}65 (Series III) /D^{term}70 (Elite Terminal)/D^{term}75 (Series E), using D^{term}85 (Series i) with Series 3100 software or before, or when accommodating D^{term}85 (Series i) in TDM based Remote PIM, the second data is fixed to 1.

NOTE: CM65 Y=37/38/39 is effective only when CM08>608 2nd data=0.

Continued on next page

COMMAND CODE	TITLE:
65	SERVICE FEATURES ON TENANT BASIS

◀: Initial Data

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
41	Adding the held call on D ^{term} multiline as a third party of Three-Way Calling (Conference [Three/Four Party]) by CNF and LINE key operation [Series 3100] NOTE	00-63	0 1 ◀	Allow Not allowed	CM15 Y=63
42	Calling Number Display for each tenant when an incoming call is terminated to the D ^{term} with TAS [Series 3600]		0 1 ◀	To provide Not provided	
43	Calling Number Display for each tenant when an incoming call is terminated to the sub line of D ^{term} [Series 3600]		0 1 ◀	To provide Not provided	
50	When the transferred destination does not answer		0 1 ◀	Connection of Transferred Trunk Line Message (No Answer) Recall transferring station	CM49 Y=00, 06
51	When the transferred destination is busy		0 1 ◀	Connection of Transferred Trunk Line Message (Busy) Recall transferring station	

NOTE: CM65 Y=41 is effective only when CM15 Y=63 2nd data=1.

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT
<p>FUNCTION:</p> <p>This command is used to assign the location data to the location number set by CM12 Y=39/50 (Peer-to-Peer connection by D^{term}IP), CM8A Y=5000-5255: 173 (Peer-to-Peer connection via CCIS), CM0A Y=09 (Legacy line/trunk connection via IP-PAD), CMAD Y=29 (Peer-to-Peer connection by IP-CS/ Virtual CS/ZT for WLAN).</p> <p>The location number is used for administration of the group via IP network and can be assigned to each connection type or each group which is divided according to the network traffic.</p>	
<p>PRECAUTION:</p> <p>None</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p>[ST] + 67YY + [DE] + 1ST DATA (2/4 digits) + [DE] + 2 ND DATA (1-5 digit) + [EXE]</p>	

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

DATA TABLE:

Y=00-08

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	CODEC list between location groups [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (00-63)	0 1 2 3 NONE CCC	CODEC List 0 CODEC List 1 CODEC List 2 CODEC List 3 (As per CM42) See below. Clear	CM42 CM12 Y=39/50 CM8A Y=5000-5255: 173 CM0A Y=09 CMAD Y=29

NOTE 1: This data setting is Valid to the voice packets that are sent to the group which is set to “ZZ” in the first data from the group which is set to “XX” in the first data.

NOTE 2: When you assign no data to CM67 Y=00, the CODEC type and Payload size are as follows.

	<u>CODEC type</u>	<u>Payload size</u>
Priority 1	G.711*	40 ms.
Priority 2	G.729a	40 ms.
Priority 3	G.723.1 (6.3 K)	30 ms.
Priority 4	G.723.1 (5.3 K)	30 ms.

*A-law/ μ -law depends on the SW2-1 on PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B or the key ROM (SP-3722 IPS KYUS PROG-A1) on PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D.

For EU:

A-law/ μ -law depends on CM04 Y=10/11-25 and the SW2-1 on PN-CP24-A/PN-CP24-B/PN-CP24-C/PN-CP24-D/PN-CP27-A/PN-CP27-B or the key ROM (SP-3722 IPS KYUS PROG-A1) on PN-CP31-A/PN-CP31-B/PN-CP31-C/PN-CP31-D.

Continued on next page

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	

NOTE 3: Specify the CODEC type and the payload size for the location number of group which D^{term}SP20/D^{term}SP30/MH210/MH220/MH250 belongs. Set the CODEC list that the CODEC type and the payload size are set as shown in the table below (D^{term}SP20/D^{term}SP30/MH210/MH220/MH250 does not support the CODEC type G.723.1).
Do not set the different CODEC list to the location groups that the voice packet is sent/received.

Terminal	CODEC TYPE	PAYLOAD SIZE (MILLISECONDS)	REMARKS
D ^{term} SP20	G.711	40	Fixed to 40 ms.
	G.729a	40	
D ^{term} SP30	G.711	20/30/40	10 ms. is not available
	G.729a	20/30/40	
MH210/MH220/ MH250	G.711	20/30/40	
	G.729a	20/30/40	

NOTE 4: The setting of small payload size is effective for the voice quality measures in general, but the used bandwidth become bigger. Set the payload size considering the available bandwidth in the network.

01	Type of Service (TOS) field Precedence for D ^{term} IP/Virtual IPT/IP-PAD between location group [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (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 CM0A Y=09/29 CMAD Y=29
----	---	-------	--	--------------------------	---	--

NOTE 1: This data setting is valid to the packets that are sent to the group which is set to "ZZ" in the first data from the group which is set to "XX" 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: By CM67 Y=01 setting, the router recognizes the precedence of control packet and voice packet and controls Weighted Fair Queuing (WFQ).

NOTE 4: When this data is set, DSCP set by CM67 Y=06 becomes invalid.

Continued on next page

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
03	Echo Canceller between location groups [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (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 CM0A Y=09
<p>NOTE 1: This data setting is valid to the group that is set to "XX" in the first data.</p> <p>NOTE 2: When Echo Canceller control for IP-PAD is operated in the system Series 3200 R6.2 or later is used, this command must be used. The data setting of CM0A Y=21 (Echo Canceller control for IP-PAD) is invalid.</p> <p>NOTE 3: When Series 3200 R6.2 or later is used, the Non Linear Processor Control is always provided. The data setting of CM0A Y=22 (NLP control for IP-PAD) is invalid.</p>						
04	Minimum value of jitter buffer between location groups [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (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 CM0A Y=09 CMAD Y=29
<p>NOTE 1: Assign the value which does not exceed the maximum value of jitter buffer set by CM67 Y=05.</p> <p>NOTE 2: This data setting is valid to the group that is set to "XX" in the first data.</p>						
05	Maximum value of jitter buffer between location groups [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (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 CM0A Y=09 CMAD Y=29
<p>NOTE 1: Assign the value which exceeds the minimum value of jitter buffer set by CM67 Y=04.</p> <p>NOTE 2: This data setting is valid to the group that is set to "XX" in the first data.</p>						

Continued on next page

COMMAND CODE		TITLE:				
67		LOCATION DATA ASSIGNMENT				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
06	Diffserv Code Point (DSCP) of control packet and voice packet [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ : Location number of group (00-63)	XX ZZ NONE◀	XX: 00-FF: DSCP of control packet ZZ : 00-FF: DSCP of voice packet C0A0	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM0A Y=09 CM67 Y=01
<p>NOTE 1: This data is required when the system is connected to the router that provides the Diffserv type QoS function.</p> <p>NOTE 2: This data setting is valid to the packets that are sent to the group which is set "ZZ" in the first data from the group which is set to "XX" in the first data.</p> <p>NOTE 3: The TOS field precedence that is set by CM67 Y=01 is invalid when this data is set. To be valid the TOS field precedence, set CM67 Y=01 again after this data setting.</p>						
07	Whether the D ^{term} IP at remote site location from IPS through NAT can communicate each other under the same NAT or not [Series 3700 R12.1]	XX ZZ	XX: Location number of group (00-63) ZZ : Location number of group (00-63)	0 1◀	Under the same NAT Under the different NAT or Not used NAT	CM67 Y=08
<p>NOTE: The same location number must not be assigned to D^{term}IP that is not accommodated under the same NAT. However, multiple location numbers can be assigned to D^{term}IP that is accommodated under the same NAT.</p>						
08	Whether the connection between locations is restricted or not [Series 3700 R12.1]	XX ZZ	XX: Location number of group (00-63) ZZ : Location number of group (00-63)	0 1◀	To restrict Not restrict	CM67 Y=07
<p>NOTE: Restrict the following connection by this command when NAT is used.</p> <ul style="list-style-type: none"> - Connection via CCIS (Peer to Peer connection) - Connection between Main Site and Remote Sites - Connection between locations that is restricted the communications 						

Continued on next page

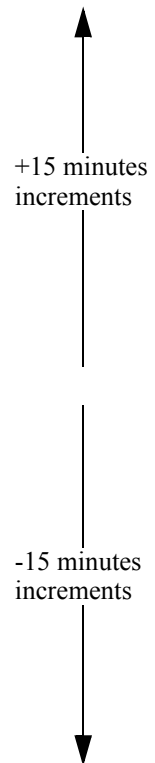
COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y=10-19

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	Time Zone setting of each location [Series 3300]	00 ? 63	Location number	XXXXX NONE◀	Time Zone (see the table below) No Time Zone	CM02 CM0B Y=00/31-60>40

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



NOTE 1: System clock should be assigned by CM02.

NOTE 2: After changing the data, office data copy to Remote Site by CMEC Y=8 is required.

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
13	Type of tone for each area/country for each location group [Series 3100]	00 ? 63	Location number	01 02 03 04 05 06 07 08 09 10 11 13 14 15 16 17 18	Japan North America Australia A-law countries Hong Kong Malaysia Singapore UK Mexico Taiwan New Zealand China Thailand Brazil Netherlands [Series 3200 R6.2 (R6.2)] Germany [Series 3200 R6.2 (R6.2)] Italy [Series 3200 R6.2 (R6.2)]	CM12 Y=39/50 CMAD Y=29 (Virtual CS/ZT for WLAN)

Continued on next page

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
13	Type of tone for each area/country for each location group [Series 3100]	00	Location number	19	Austria [Series 3200 R6.2 (R6.2)]	CM12 Y=39/50 CMAD Y=29 (Virtual CS/ZT for WLAN)
		2		20	Belgium [Series 3200 R6.2 (R6.2)]	
		63		21	Spain [Series 3200 R6.2 (R6.2)]	
				22	Sweden [Series 3200 R6.2 (R6.2)]	
				23	UK [Series 3200 R6.2 (R6.2)]	
				24	Denmark [Series 3200 R6.2 (R6.2)]	
				25	Greece [Series 3200 R6.2 (R6.2)]	
				26	Switzerland [Series 3200 R6.2 (R6.2)]	
				27	South Africa [Series 3300]	
				NONE	Depends on Nation Code (CM31 Y=0>0)	
				CCC	Clear	

Continued on next page

COMMAND CODE		TITLE:				
67		LOCATION DATA ASSIGNMENT				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
14	Type of Service (TOS) field Precedence of control packet for D ^{term} IP/IP-CS/Virtual CS/ZT for WLAN-to-system for each location group	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	CM12 Y=39/50 CMAD Y=29
NOTE: The DSCP that is set by CM67 Y=15 is invalid when this data is set.						
15	Diffserv Code Point (DSCP) of control packet for D ^{term} IP/IP-CS/Virtual CS/ZT for WLAN to each location number [Series 3200 R6.2 (R6.2)]	00 ∟ 63	Location number	00 ∟ FF NONE ◀	DSCP of control packet C0	CM12 Y=39/50 CMAD Y=29
NOTE: The TOS field precedence that is set by CM67 Y=14 is invalid when this data is set.						
16	Minimum value of jitter buffer for each location group	00 ∟ 63	Location number	01 ∟ 30 NONE ◀ CCC	10 ms. ∟ 300 ms. (10 ms. increments) 10 ms. Clear	CM12 Y=39 CM8A Y=5000-5255: 173 CM0A Y=09
NOTE 1: Assign the value which does not exceed the maximum value of jitter buffer set by CM67 Y=17. NOTE 2: When using Series 3200 R6.2 (R6.2) software or later, set the minimum value of jitter buffer by CM67 Y=04.						

Continued on next page

COMMAND CODE		TITLE:				
67		LOCATION DATA ASSIGNMENT				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
17	Maximum value of jitter buffer for each location group	00	Location number	01	10 ms.	CM12 Y=39 CM8A Y=5000-5255: 173 CM0A Y=09
		∟ 63		∟ 30	∟ 300 ms. (10 ms. increments) 300 ms. Clear	
<p>NOTE 1: Assign the value which exceeds the minimum value of jitter buffer set by CM67 Y=16.</p> <p>NOTE 2: When using Series 3200 R6.2 (R6.2) software or later, set the maximum value of jitter buffer by CM67 Y=05.</p>						
18	IP-PAD group number [Series 3100]	00	Location number	00	IP-PAD group number 00	CM0A Y=70 CM12 Y=39/50 CM8A Y=5000-5255: 173 CMAD Y=29
		∟ 63		∟ 31	∟ IP-PAD group number 31 IP-PAD group number 00 Clear	
<p>NOTE: This data is available only for the IP-PAD (PN-32IPLA/PN-32IPLA-A).</p>						
19	Priority of IP-PAD channel [Series 3100]	00	Location number	00	Give priority to IP-PAD channel without 16VCT	CM12 Y=39/50 CM8A Y=5000-5255: 173 CMAD Y=29
		∟ 63		01	01		Give priority to IP-PAD channel with 16VCT
<p>NOTE 1: When no 16VCT card is mounted, set the 2nd data 00 or 02.</p> <p>NOTE 2: When using the IP-PAD card or IP-PAD channel with CODEC/IP-PAD channel without CODEC properly to each terminal, set the IP-PAD group number combining with location number.</p> <p>NOTE 3: When using only PN-8IPLA (IP-PAD) card in the system, follow the initial data setting. When using PN-8IPLA (IP-PAD) card and PN-32IPLA/PN-32IPLA-A (IP-PAD) card in the system. You must not set the second data to 02 (Use only IP-PAD channel without 16VCT). PN-8IPLA card is equal to the IP-PAD channel with 16VCT.</p>						
Continued on next page						

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

Y=20-24

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
20	FAX control information list to each location group number [Series 3200 R6.2 (R6.2)]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (00-63)	0 1 2 3 4-7 NONE◀	Fixed list 0 (See the table below) Fixed list 1 (See the table below) Fixed list 2 (See the table below) Not used Programmable list 4-7 (depends on the setting CM67 Y=21-24) When using PN-32IPLA-A card: Fixed list 0 (See the table below) When using PN-8IPLA card: Fixed list 1 (See the table below)	CM8A Y=5000-5255: 173 CM0A Y=09

	Fixed list 0	Fixed list 1	Fixed list 2
FAX Protocol	T.30	G.711	G.726
FAX Payload Size	-	40 ms.	40 ms.
Minimum Jitter Buffer	0 ms.	120 ms.	120 ms.
Maximum Jitter Buffer	0 ms.	120 ms.	120 ms.

Continued on next page

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
21	Programmable list 4	00	FAX Protocol Pat- tern No.	00	Not detect the FAX pro- tocol NOTE	
22	Programmable list 5			01	G.711 μ-law (Only for PN-8IPLA)	
23	Programmable list 6			02	G.711 A-law (Only for PN-8IPLA)	
24	Programmable list 7 [Series 3200 R6.2 (R6.2)]			03	G.726	
				04	T.30 (Only for PN-32IPLA-A)	
				NONE◀	No data	
NOTE: To avoid the misdetection, set the second data to 00 when the location groups (between location groups) do not provide FAX over IP feature.						
		01	FAX Payload Size Pattern No.	01	10 ms.	
				?	?	
				04	40 ms. (10 ms. increments)	
				NONE◀	No data	
NOTE: When using the PN-8IPLA (IP-PAD) card, set the second data in the range of 01-04 (10 ms. to 40 ms.).						
		08	Minimum value of jitter buffer	01	10 ms.	CM67 Y=21/22/ 23/24>09
				?	?	
				30	300 ms. (10 ms. increments)	
				NONE◀	No data	
NOTE: Assign the value which does not exceed the maximum value of jitter buffer set by CM67 Y=21/22/23/24>09.						

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING	DATA	MEANING		
21	Programmable list 4	09	Maximum value of jitter buffer	01	10 ms.	CM67 Y=21/22/ 23/24>08	
22	Programmable list 5			?	?		300 ms.
23	Programmable list 6			NONE◀	No data		(10 ms. increments)
24	Programmable list 7 [Series 3200 R6.2 (R6.2)]	NOTE: Assign the value which exceeds the minimum value of jitter buffer set by CM67 Y=21/22/23/24>08.					

Continued on next page

COMMAND CODE	TITLE: LOCATION DATA ASSIGNMENT
67	

Y=30, 31

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
30	Daylight Saving time setting of each location [Series 3300]	00 ? 63	Location number	0 NONE◀	To operate with Daylight Saving time (+1 hour) To operate with Standard time	CM67 Y=10 CM0B Y=00/ 31-60>40
<p>NOTE 1: After changing the data, office data copy to Remote Site by CMEC Y=8 is required.</p> <p>NOTE 2: Usually do not set this command by MAT/CAT. This command is set automatically when automatic system clock change has been executed by CM43 Y=8/CM67 Y=31.</p>						
31	Automatic clock change pattern [Series 3600]	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

Continued on next page

COMMAND CODE		TITLE:				
67		LOCATION DATA ASSIGNMENT				
Y=90-92						
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
90	Limit bandwidth between location groups [Series 3100]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (00-63)	00000 ? 65534 NONE◀ CCC	0 Kbps ? 65534 Kbps 100000 Kbps (100 Mbps) Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM0A Y=09 CM67 Y=92 CMAD Y=29
<p>NOTE 1: Assign the value which exceeds the warning bandwidth set by CM67 Y=92.</p> <p>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.</p> <p>If the reflection speed of terminals such as button reflection becomes slower by setting the value above mentioned, set the bandwidth for voice packet to value which the bandwidth for control packet supposed more than 40 Kbps.</p>						
91	Action when the traffic between location groups exceeds the limit bandwidth [Series 3100]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (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 CM0A Y=09 CMAD Y=29
92	Warning bandwidth between location groups [Series 3100]	XX ZZ	XX: Location number of group (00-63) ZZ: Location number of group (00-63)	00000 ? 65534 NONE◀ CCC	0 Kbps ? 65534 Kbps 100000 Kbps (100 Mbps) Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM0A Y=09 CM67 Y=90 CMAD Y=29
<p>NOTE: Assign the value which does not exceed the limit bandwidth set by CM67 Y=90.</p>						

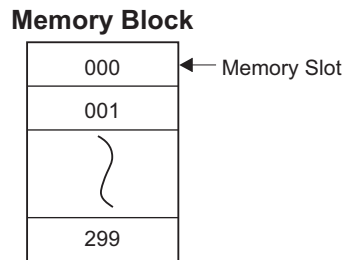
COMMAND CODE	TITLE:
71	MEMORY ALLOCATION FOR SPEED CALLING-SYSTEM (SYSTEM SPEED DIALING)

FUNCTION:

This command is used to allocate memory area for Speed Calling-System (System Speed Dialing) to tenants, attendants, Hot Line-Outside and Delayed Hotline-Outside station.

PRECAUTION:

- (1) Speed Calling-System (System Speed Dialing) has 300 memory locations system-wide; this is referred to as a “Memory Block” (See Figure below). Each location where a dialed number is stored is called “Memory Slot”.



Example: The Speed Calling-System (System Speed Dialing) memory is assigned to three tenants as follows;

TENANT	QUANTITY OF SLOTS	RANGE OF SLOT NUMBERS
00	20	001-019
01	15	020-034
02	10	035-044

Continued on next page

COMMAND CODE	TITLE:
71	MEMORY ALLOCATION FOR SPEED CALLING-SYSTEM (SYSTEM SPEED DIALING)



- (2) Limitation on Memory Slot Allocations
- In a single-tenant system, Tenant 00 can be assigned a maximum of 300 memory slots.
 - Per Tenant:
 - 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 64 memory slots (maximum number of Trunk Routes)
 - For automatic fault information sending form MP built-in modem:
 - 2 memory slots
- (3) There is a maximum of 300 memory slots assigned by this command. However, if required, another 1000 memory slots can be added. These additional 1000 memory slots are to be assigned with CM08>110, 111, 112, 176, and CM73 and CM74.
- (4) The abbreviated codes for Speed Calling-System (System Speed Dialing) are automatically determined by assigning this command on a tenant basis, as shown below.

Tenant 00		Tenant 01		Tenant 02	
(Memory Slot No.)	(Abbreviated Code)	(Memor Slot No.)	(Abbreviated Code)	(Memory Slot No.)	(Abbreviated Code)
000	00	020	00	035	00
001	01	021	01	036	01
002	02	022	02	037	02
⋮	⋮	⋮	⋮	⋮	⋮
019	19	034	14	044	09

- (5) The Resident System Program allocates 100 memory slots to Tenant 01.

COMMAND CODE	TITLE:		
71	MEMORY ALLOCATION FOR SPEED CALLING-SYSTEM (SYSTEM SPEED DIALING)		
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + 71 + \boxed{\text{DE}} + \begin{matrix} \text{KIND OF} \\ \text{CALLING PARTY} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(6 digits)} \end{matrix} + \boxed{\text{EXE}}$			
DATA TABLE:			
◀: Initial Data			
KIND OF CALLING PARTY		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Tenant 00	XXX YYY	XXX: Starting Memory Slot number in Block: 000-299
?	?		YYY: Number of Slots to be assigned in Block: 001-300
63	Tenant 63		No data
64	Exclusively for Attendant Console	NONE◀	
65	Exclusively for Hot Line-Outside/ Delayed Hotline-Outside call (Related Command: CM52)		
66	Exclusively for Route Advance from Tie line to C.O. line (Related Command: CM35 Y=40, CM30 Y=04, 05, CM58 Y=08, 09: CXX)		
	Exclusively for Voice Mail Station num- ber (Related Command: CM50 Y=10, CM72 Y=0)		
67	Exclusively for automatic fault informa- tion sending from MP built-in modem		
68	Terminating number of opposite office on alternative ISDN connection	XXX YYY	XXX: Starting Memory Slot number in Block: 000-299
		NONE◀	YYY: Number of Slots to be assigned in Block: 001-032
			No data

COMMAND CODE	TITLE:
72	STORED NUMBER FOR SPEED CALLING-SYSTEM (SYSTEM SPEED DIALING)
<p>FUNCTION:</p> <p>This command is used to enter the stored number or character for Speed Calling-System (System Speed Dialing) feature into the memory allocated with CM71.</p>	
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (1) When displaying the data, the access code corresponding to the Memory Slot number is indicated by the very first [DE], and the stored number is indicated by the next [DE]. When the number of digits of the stored 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 the data in the following order; access code on the display, comma, "CCC", and [EXE]. (3) If "C" is inserted in the called number, when using Speed Calling-System (System Speed Dialing) for an outgoing Tie Line call, 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) The stored number, for Speed Calling-System (System Speed Dialing), is assigned for each Memory Slot number, not for the abbreviated code of each calling party. When assigning stored numbers, the correspondence between Memory Slot numbers and abbreviated codes is first to be determined for each kind of calling party, and then the stored numbers are to be assigned according to the determined correspondence, with each exclusive memory area assigned in CM71 taken into consideration. 	
<p>ASSIGNMENT PROCEDURE:</p> <p>[ST] +72Y+ [DE] + MEMORY SLOT NUMBER (3 digits) + [DE] + STORED NUMBER (Maximum 32 digits) + [EXE]</p>	

COMMAND CODE		TITLE:			
72		STORED NUMBER FOR SPEED CALLING-SYSTEM (SYSTEM SPEED DIALING)			
DATA TABLE:					
◀: Initial Data					
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)	
			XXXX ◻ CCC	XXXX: Access Code (Maximum 4 digits) ◻ : Separator Mark CCC : Clear	
			NONE◀	No data	
1	000-299	Memory Slot number	XXX...X	Station 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	Station Name Character by MAT/ CAT (Maximum 16 characters)	
			NONE◀	No data	
4	000-299	Memory Slot number	XXX...X	Calling Party Name Character Code (Maximum 32 digits: 16 characters) (for Russian)  See Character Code Table in CM77. [Series 3600]	
			NONE◀	No data	

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED CALLING-STATION (STATION SPEED DIALING)

FUNCTION:

This command is used to allocate memory areas for Speed Calling-Station (Station Speed Dialing) to individual stations.

PRECAUTION:

The allowed number of 10-Slot Memory Blocks per station number ranges from 1 to 10.

ASSIGNMENT PROCEDURE:

[ST] + 73 + [DE] + STATION NUMBER (1-8 digits) + [DE] + DATA (6 digits) + [EXE]

DATA TABLE:

◀: Initial Data

STATION NUMBER		SETTING DATA	
X ? XXXXXXXX	Station number which performs Speed Calling-Station (Station Speed Dialing)	W XX Y ZZ	W : 1000-Slot Memory Block number (0-9) XX: 10-Slot Memory Start Block number (00-99) Y : Facility for programming the dialed number from the station (0/1=Allowed/Not allowed) ZZ : Number of 10-Slot Memory Blocks (01-10) NOTE 1, NOTE 2, NOTE 3
		NONE◀	No data

NOTE 1: 1000-Slot Memory Block number 4-9 (6000 Memory Parcels) cannot be used for Speed Dialing with Speed Calling-Station (Station Speed Dialing) keys provided by CM90 Y=00: F11XX on a D^{term}, and cannot also be used for Speed Calling-System (System Speed Dialing).

NOTE 2: If one of the 1000-Slot Memory Blocks is used for Speed Calling-System (indicated with CM08>110, 111, 112, or 176), it cannot also be used for Speed Calling-Station (Station Speed Dialing).

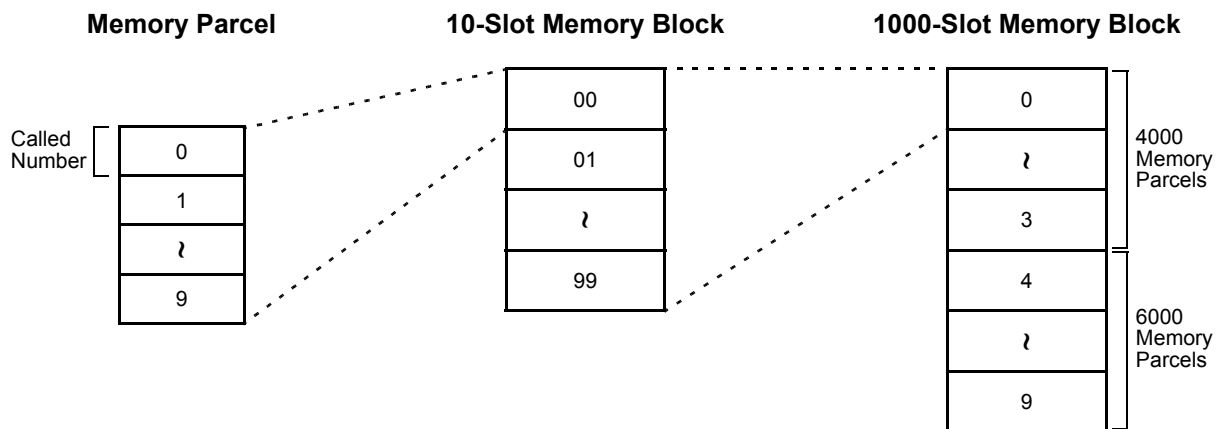
Continued on next page

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR SPEED CALLING-STATION (STATION SPEED DIALING)
73	

NOTE 3: An entry of “342106” would allocate six (6) 10-Slot Memory Blocks, which would accommodate sixty (60) Speed Calling-Station (Station Speed Dialing) numbers. 1000- Slot Memory Block number 3 would be used, starting at 10-Slot Memory Block number 42, and ending at 10-Slot Memory Block number 47. Programming facility would not be allowed.

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 CALLING-STATION (STATION SPEED DIALING)

Example: If the quantity of Speed Calling (Speed Dial) numbers is 10 for Station Number 300, 20 for Station Number 301, and 30 for Station Number 302, the memory areas assignment is as follows.

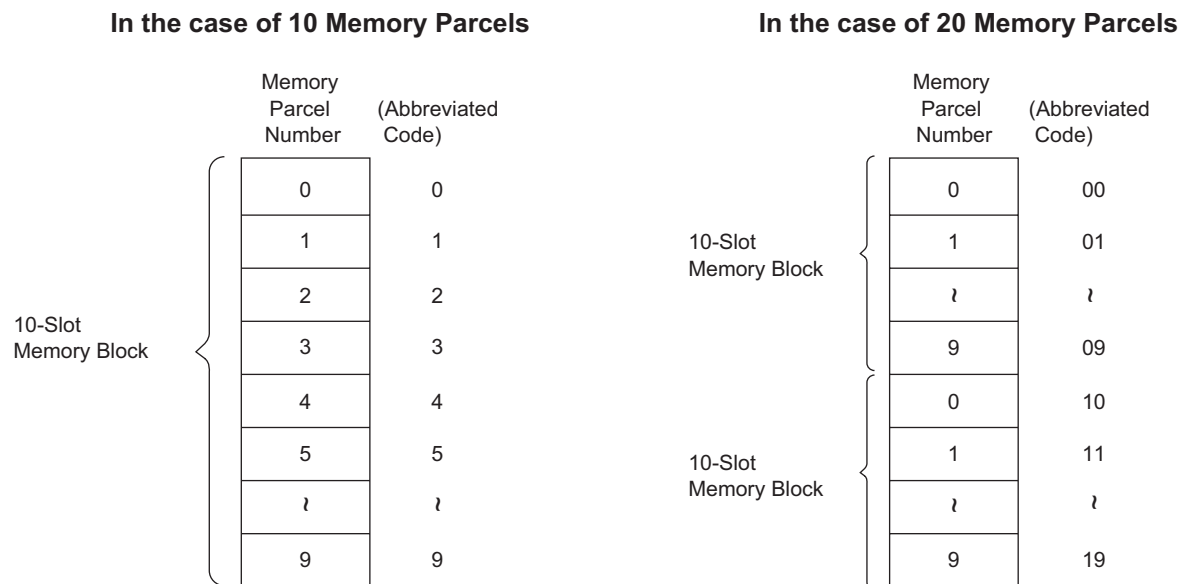
Station Number	1000-Slot Memory Block Number	Memory Start Block Number (10-Slot Memory Block)	Number of 10-Slot Memory Block
300	0	00	01
301	0	01	02
302	0	03	03
303	0	06	01

The abbreviated codes for Speed Calling-Station (Station Speed Dialing) are automatically determined by assigning this command on a station basis.

If the quantity of Memory Parcels per station (or per station group) does not exceed 10, then Abbreviated Code=0-X.

If the quantity of Memory Parcels per station (or per station group) exceeds 11, then Abbreviated Code=00-XX.

The following figure shows the relationship between Abbreviated Codes and Memory Parcels.



Continued on next page

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR SPEED CALLING-STATION (STATION SPEED DIALING)
73	

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:	<u>Station Number</u>	<u>Assigned data</u>	<u>Facility for Programming</u>
	300 }	000003 }	Allowed
	301 }	000103 }	Not Allowed
	302 }	000103 }	Not Allowed
	310 }	003002 }	Allowed
	311 }	003102 }	Not Allowed
	312 }	003102 }	Not Allowed

COMMAND CODE	TITLE:
74	STORED NUMBER FOR SPEED CALLING-STATION (STATION SPEED DIALING)
<p>FUNCTION: This command is used to enter the stored number for Speed Calling-Station (Station Speed Dialing) feature into the memory allocated with CM73.</p>	
<p>PRECAUTION: 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 the data in the following order; the access code on the display, comma, “CCC” and [EXE].</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p>[ST] + 74Y + [DE] + MEMORY SLOT NUMBER (4 digits) + [DE] + STORED NUMBER (Maximum 32 digits) + [EXE]</p> <p>[ST] + 745 + [DE] + STORED NUMBER (4 digits/1-8 digits) + [DE] + MEMORY SLOT NUMBER (4 digits) + [EXE]</p>	


COMMAND CODE	TITLE: STORED NUMBER FOR SPEED CALLING-STATION (STATION SPEED DIALING)
74	

DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
0	X YY Z	X : 1000-Slot Memory Block number (0-9) 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)
			XX...X [] CCC	XX...X: Access Code (Maximum 4 digits) [] : Separator Mark CCC : Clear
			NONE◀	No data
1	X YY Z	X : 1000-Slot Memory Block number (0-9) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Station 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

Continued on next page

COMMAND CODE		TITLE:			
74		STORED NUMBER FOR SPEED CALLING-STATION (STATION SPEED DIALING)			
◀: Initial Data					
Y	1ST DATA		2ND DATA		
	DATA	MEANING	DATA	MEANING	
2	X YY Z	X : 1000-Slot Memory Block number (0-9) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Station Name Character by MAT/CAT (Maximum 16 characters)	
			XXX...X	Calling Party Name Character (Maximum 16 characters)	
			NONE◀	No data	
4	X YY Z	X : 1000-Slot Memory Block number (0, 3) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9) [Series 3600]	XXX...X	Calling Party Name Character Code (Maximum 32 digits: 16 characters) (for Russian)  See Character Code Table in CM77 .	
			NONE◀	No data	
5	X-XXXXXXXX	X: Abbreviated Code (0-9) [Series 3300]	X YY Z	X : 1000-Slot Memory Block Number (0-9) YY: 10-Slot Memory Block Number (00-99) X : Memory Parcel Number (0-9)	
			CCC	Clear	
			NONE◀	No data	
<p>NOTE 1: 4-digit (Fixed) abbreviated code is used for Series 3300 to 3500 software. 1-8-digit abbreviated code is used for Series 3600 software or later.</p> <p>NOTE 2: Memory area of Speed Calling-System (System Speed Dialing) with 1-8-digit abbreviated code is also used as the memory area of Speed Calling-Station (Station Speed Dialing). Do not assign the same Memory Slot number of Speed Calling-System (System Speed Dialing) with 1-8-digit abbreviated code (set by CM74 Y=0) and as Memory Slot number of Speed Calling-Station (Station Speed Dialing) (set by CM73).</p> <p>NOTE 3: Set the same number of digits as the digits of abbreviated code assigned by CM42 Y=77 to the first data.</p> <p>NOTE 4: When setting the number of digits for abbreviated code to 5-8, the minimum number of the abbreviated code that can be registered to the memory area is as follows.</p> <ul style="list-style-type: none"> • 5-digit abbreviated code: 500 • 6-digit abbreviated code: 333 • 7-digit abbreviated code: 250 • 8-digit abbreviated code: 200 					

COMMAND CODE	TITLE: DIGIT CONVERSION ON DID CALL
76	

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=18 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 and 811-818.

ASSIGNMENT PROCEDURE:

[ST] + 76YY + **[DE]** + 1ST DATA (1-8 digits) + **[DE]** + 2ND DATA (1-32 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

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=12, 78, 170

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Initial Data

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
01	For Day Mode	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	X	Station number to be terminated	CM10/CM14 CM11 CM1A
02	For Night Mode		XXXXXXX			NOTE 1
03	For Mode A		DXX	Change terminating system to:	CM35 Y=18, 78 CM30 Y=02, 03, 40, 41 CM30 Y=18 CM30 Y=04, 05, 42, 43 CM49 CM64
04	For Mode B		D02	Trunk Line (Direct) Appearance	
			D03	Trunk Line (Direct) Appearance + TAS	
			D04	Direct-In Termination	
			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)		
		BBBBBXXX	Mate-Side Trunk No. of Virtual Trunk XXX: 000-255	NOTE 2	
		NONE◀	No data		

NOTE 1: When digit conversion of the leading 2-4 digits of a DID incoming LDN is available (CM35 Y=78, 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.)

NOTE 2: If CM35 Y=143 is set to "1" for Event Based CCIS, this command must be set.


Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Initial Data

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	Trunk Tenant 00	CM35 Y=18
			∟	∟	
			63	Trunk Tenant 63	
			NONE◀	No data	
06	Terminating Trunk Tenant during Night Mode (for TAS)		00	Trunk Tenant 00	
			∟	∟	
			63	Trunk Tenant 63	
			NONE◀	No data	
07	Terminating Trunk Tenant during Mode A (for TAS)		00	Trunk Tenant 00	
		∟	∟		
		63	Trunk Tenant 63		
		NONE◀	No data		
08	Terminating Trunk Tenant during Mode B (for TAS)	00	Trunk Tenant 00		
		∟	∟		
		63	Trunk Tenant 63		
		NONE◀	No data		
09	Station Tenant for each DID Number (See Data Settings explanation Page 541)	00	Station Tenant 00		
		∟	∟		
		63	Station Tenant 63		
		NONE◀	No data		
10	Call Waiting for DID call per DID incoming LDN	0	Restricted	CM35 Y=18	
		1◀	Allow		
11	Priority Queuing per DID incoming LDN	0	Not provided	CM35 Y=18	
		1◀	To provide		
13	Automatic Live Recording for DID	0	Not available	CM08>141 CM13 Y=23 CM35 Y=22	
		1◀	Start automatically		

Continued on next page

COMMAND CODE		TITLE:			
76		DIGIT CONVERSION ON DID CALL			
					◀: Initial Data
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	
<p>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</p>					
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			
◀: Initial Data					
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	Station Tenant 00	
			7	7	
			63	Station Tenant 63	
			NONE◀	Trunk Tenant	
22	Interval of ringing tone on DID incoming calls		0	Rering NOTE 2] See CM08>397
			1	Special Ringing	
			2	Internal Ringing	
			3◀	As per CM35 Y=33 [Other than North America]	
			0	0.5 seconds ON-0.5 seconds OFF (D ^{term})	
			1	1 second ON-2 seconds OFF (SLT)	
			2	0.5 seconds ON-0.5 seconds OFF -0.5 seconds ON-1.5 seconds OFF (D ^{term})	
			3◀	0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF (SLT) 1 second ON-2 seconds OFF (D ^{term} or SLT) As per CM35 Y=33 (D ^{term} or SLT) [North America Only]	
<p>NOTE 1: CM76 Y=22 is effective when CM08>179: 0 or CM08>180: 1.</p> <p>NOTE 2: For SLT, Internal Ringing is applied. For D^{term}, 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 EU] is applied.</p>					
23	D ^{term} Ringer Tone Pattern on DID incoming calls [Series 3200 R6.1 (R6.1)]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0	Ringer Tone Pattern 0	CM35 Y=34, 164 CM65 Y=40
			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◀	As per CM35 Y=34/164	
<p>NOTE: For the Ringer Tone Pattern, see CM65 Y=40.</p>					

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Initial Data

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
24	DID Name assignment with character	000-199: Number Conversion Block No. assigned by CM76 Y=00/90,	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	CM2A Y=50-52 NOTE	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 [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1◀	Available Not available	CM08>824 CM76 Y=01-04
33	Whether the call terminating method is specified for DID incoming call with no CLI in Day Mode [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 3◀	Specified when reason of the incoming calls with no CLI is "Privacy" Specified for all incoming call with no CLI Not specified	CM76 Y=34
NOTE: Assign the call terminating method by CM76 Y=34 when this command is set to 0/1.					

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			
◀: Initial Data					
Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
34	Specification of the call terminating method for DID incoming call with no CLI in Day Mode [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0	To transfer to the DAT/another station/Attendant Console (assigned by CM51 Y=33)	CM51 Y=33 CM76 Y=33, 37, 38, 39
			1	To reject the call termination	
			2	To terminate D ^{term} with unusual LED indication/unusual ringer tone/unusual ringer pattern (assigned by CM76 Y=37, 38, 39)	
			3◀	To terminate as usual	
35	Whether the call terminating method is specified for DID incoming call with no CLI in Night Mode/Mode A/ Mode B [Series 3600]		0	Specified when reason of the incoming call with no CLI is "Privacy"	CM76 Y=36
			1	Specified for all incoming call with no CLI	
			3◀	Not specified	
NOTE: Assign the call terminating method by CM76 Y=36 when this command is set to 0/1.					
36	Specification of the call terminating method for DID incoming call with no CLI in Night Mode/ Mode A/Mode B [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0	To transfer to the DAT/another station/Attendant Console (assigned by CM51 Y=33)	CM51 Y=33 CM76 Y=35, 37, 38, 39
			1	To reject the call termination	
			2	To terminate the D ^{term} with unusual LED indication/unusual ringer tone/unusual ringer tone pattern (assigned by CM76 Y=37, 38, 39)	
			3◀	To terminate as usual	

Continued on next page

COMMAND CODE		TITLE:			
76		DIGIT CONVERSION ON DID CALL			
◀: Initial Data					
Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
37	Distinctive LED indication on D ^{term} for DID incoming call with no CLI [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1◀	Green (120 IPM) Red (120 IPM)	CM35 Y=32 CM76 Y=34, 36
<p>NOTE: This command is effective on the following conditions.</p> <ul style="list-style-type: none"> • CM35 Y=32 is set to 1. • CM76 Y=34, 36 is set to 0 or 2, and D^{term} receives the incoming call. 					
38	Interval of ringing tone for DID incoming call with no CLI [Series 3600]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	Ringing NOTE3 See CM08>397 Special Ringing See CM08>397 Internal Ringing See CM08>397 As per CM76 Y=22 [Other than North America]	CM08>397 CM76 Y=22, 34, 36
			0 1 2 3◀	0.5 seconds ON-0.5 seconds OFF (D ^{term}) 1 second ON-2 seconds OFF (SLT) 0.5 seconds ON-0.5 seconds OFF -0.5 seconds ON-1.5 seconds OFF (D ^{term}) 0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF (SLT) 1 second ON-2 second OFF (D ^{term} or SLT) As per CM76 Y=22 [North America Only]	
<p>NOTE 1: Assign this command when the terminal destination is SLT or D^{term}.</p> <p>NOTE 2: This command is effective when CM76 Y=34, 36 is set to 0 or 2.</p> <p>NOTE 3: For SLT, Internal Ringing is applied. For D^{term}, 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 EU] is applied.</p>					
Continued on next page					

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Initial Data

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
39	D ^{term} Ringer Tone Pattern for DID incoming call with no CLI [Series 3600]	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	CM65 Y=90 CM76 Y=23, 34, 36
<p>NOTE 1: This command is effective when CM76 Y=34, 36 is set to 0 or 2, and D^{term} receives the incoming call.</p> <p>NOTE 2: For details of the Ringer Tone Pattern see CM65 Y=40.</p>					
40	Kind of call termination indicator key/lamp on Attendant console for DID incoming call with no CLI [Series 3600]	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=15	CM35 Y=15 CM76 Y=34, 36
<p>NOTE: The command is effective when CM76 Y=34, 36 is set to 0, and the destination of call forwarding is Attendant console.</p>					
41	Mobility Access function to each DID number [Series 3700 R12.1]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 7◀	To use Mobility Access termination To set Mobility Access mode To cancel Mobility Access mode Not used Mobility Access function	CM15 Y=216 CM64 Y=10
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

Continued on next page

COMMAND CODE	TITLE:
76	<i>DIGIT CONVERSION ON DID CALL</i>

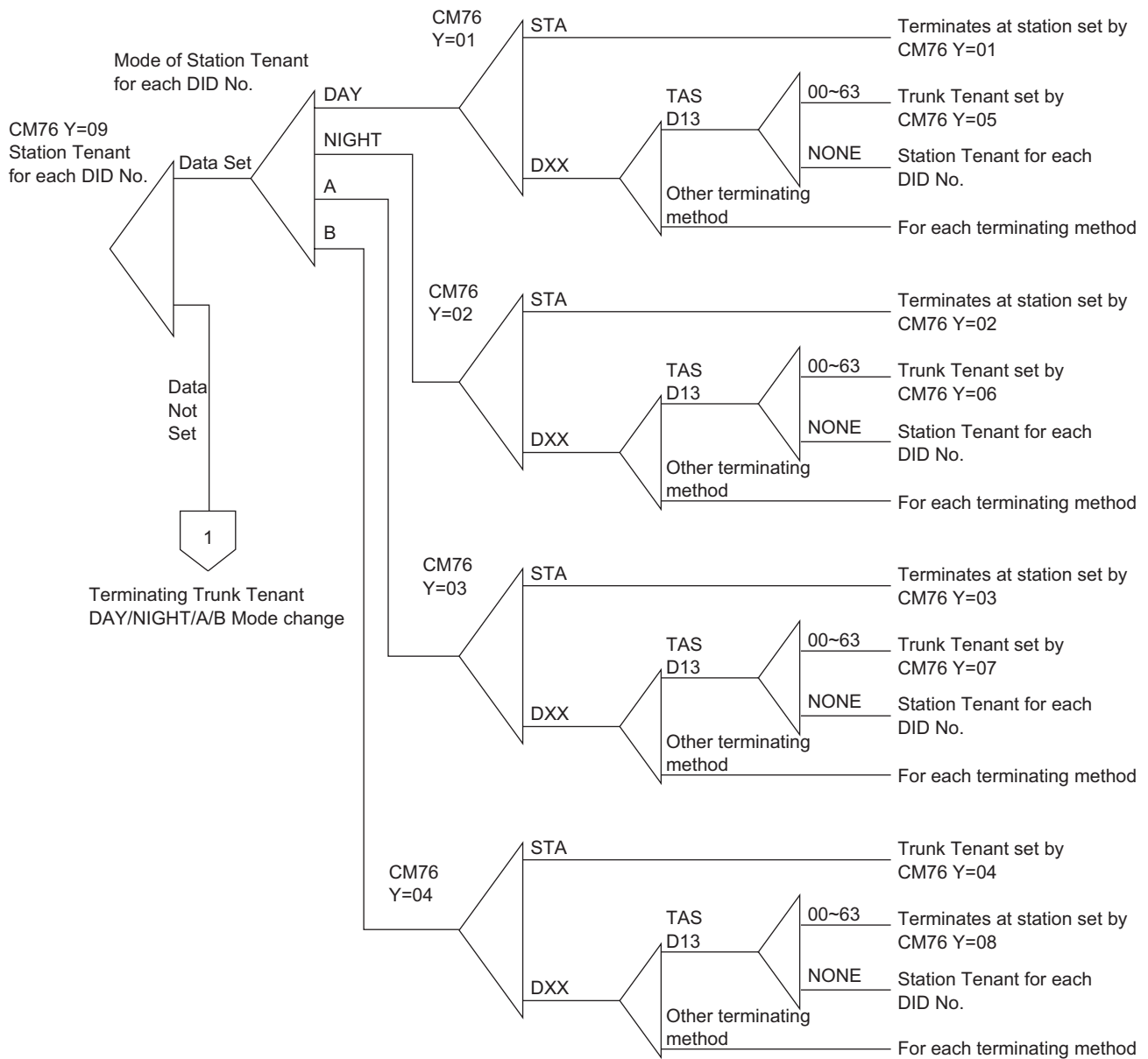
◀: Initial Data

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
99	Registered DID number display [Series 3400]	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)

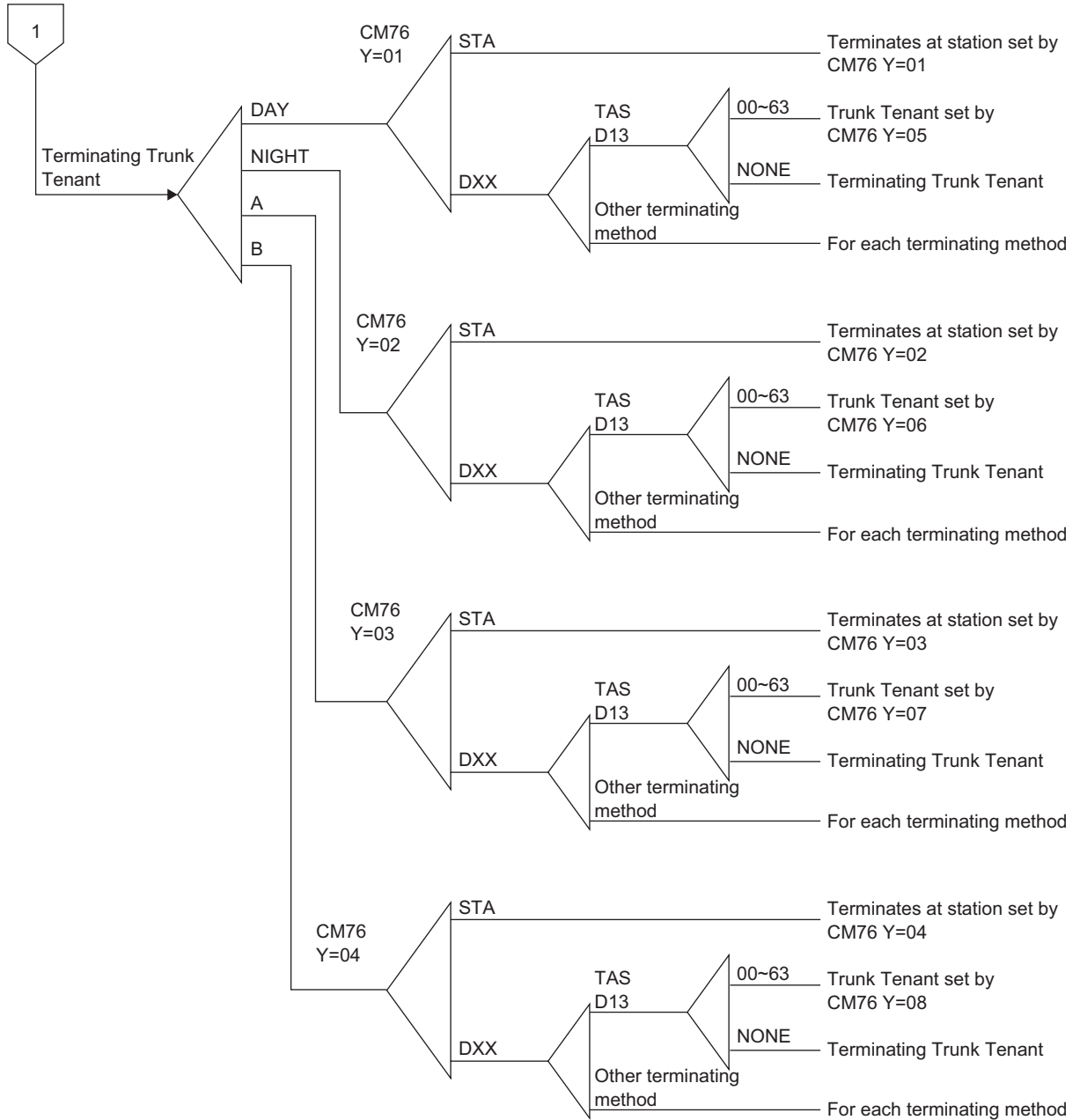


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COMMAND CODE	TITLE: 76 DIGIT CONVERSION ON DID CALL
76	

(2) When station tenant for each DID number is not assigned.
(CM76 Y=09 is not set)

Terminating Trunk Tenant
DAY/NIGHT/A/B Mode change



COMMAND CODE	TITLE:
77	STATION/TRUNK/CS/ZT/ATTCON NAME ASSIGNMENT

FUNCTION:

This command is used to assign the name of each station, trunk route, Cell Station (Zone Transceiver) and ATTCON which is displayed on D^{term} or Attendant Console.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

+ 77Y + + STATION NUMBER (1-8 digits) / TRUNK NAME NUMBER (2 digits) / CS/ZT NUMBER (3 digits) / ATTCON NUMBER (1 digit) + + DATA (1-32 digits) +

DATA TABLE:

◀: Initial Data

Y		STATION No./ TRUNK NAME No./ CS/ZT No./ATTCON 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/ CM14/ Virtual station number assigned by CM11	XXX...X	Character Code (Maximum 32 digits) See Character Code Table . Page 546 No data	CM10/CM11/ CM14 CM08>255
1	Station Name assignment with character (for English)		X ? X.....X NONE◀	Character (Maximum 16 characters) NOTE 1 No data	

Continued on next page

COMMAND CODE	TITLE: STATION/TRUNK/CS/ZT/ATTCON NAME ASSIGNMENT
77	

◀: Initial Data

Y		STATION No./ TRUNK NAME No./ CS/ZT No./ATTCON No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
2	Trunk Name assignment with character code (for English)	00-14, 16-63: Trunk Name number assigned by CM35 Y=03	XXX...X	Character Code (Maximum 8 digits) See Character Code Table . Page 546 No data	CM35 Y=03 CM08>255
3	Trunk Name assignment with character (for English)		X ? X.....X	Character (Maximum 4 characters) NOTE 1 No data	
5	Station Name assignment with character code (for Russian) [Series 3600]	X-XXXXXXXX: Station number assigned by CM10/CM14	XXX...X	Character Code (Maximum 32 digits) (for Russian) See Character Code Table . Page 547 No data	CM14 CM08>255
8	CS/ZT Name assignment with character code (for English) [Series 3100]	000-127: CS/ZT Number assigned by CM10/CM14	XXX...X	Character Code (Maximum 32 digits) See Character Code Table . Page 546 No data	CM10/CM14 CM08>521 CM15 Y=148, 149
9	CS/ZT Name assignment with character (for English) [Series 3100]		X ? X.....X	Character (Maximum 16 characters) NOTE 1 No data	

Continued on next page

COMMAND CODE	TITLE:
77	STATION/TRUNK/CS/ZT/ATTCON NAME ASSIGNMENT

◀: Initial Data

Y		STATION No./ TRUNK NAME No./ CS/ZT No./ATTCON No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
A	ATTCON Name assignment with character code (for English) [Series 3500]	0-7: ATTCON number assigned by CM14	XXX...X	Character Code (Maximum 32 digits) See Character Code Table . Page 546	CM14 CM08>255
			NONE◀	No data	
B	ATTCON Name assignment with character (for English) [Series 3500]		X ? X.....X	Character (Maximum 16 characters) NOTE 1	
			NONE◀	No data	

NOTE 1: The characters available for assigning are 0-9, A-Z with MAT/CAT.

NOTE 2: Station name assignment is also available in each D^{term} or Attendant Console by using the access code assigned by CM20: A110.

NOTE 3: Trunk names are assigned on a trunk route basis only.

COMMAND CODE	TITLE:
77	STATION/TRUNK/CS/ZT/ATTCON 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/CS/ZT/ATTCON 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	Ɔ
1			!	1	A	Q	a	q	ü	æ		A	Π	Я	ä	
2			“	2	B	R	b	r	é	Æ		Б	Р	Ѓ	β	θ
3			#	3	C	S	c	s	â	ô		В	С	І	ε	ω
4			\$	4	D	T	d	t	ä	ö		Г	Т	Ş	μ	Ω
5			%	5	E	U	e	u	à	ò		Д	Ч	ğ	σ	ü
6			&	6	F	V	f	v	â	û		Е	Ф	ı	ρ	Σ
7			'	7	G	W	g	w	ç	ù		Ё	Х	ş	q	π
8			(	8	H	X	h	x	ê	ÿ		Ж	Ц	€	Ј	¯
9			)	9	I	Y	i	y	ë	Ö		З	У		⁻¹	y
A			*	:	J	Z	j	z	è	Ü		И	Ш		j	
B			+	;	K	[	k	{	ï	ç		Й	Щ		×	
C			,	<	L	¥	l	|	î	£		К	Ъ		ç	
D			-	=	M	]	m	}	ı			Л	Ы		£	
E			.	>	N	^	n	→	Ä	Ɔs		М	Ь		n	
F			/	?	O	_	o	←	Å	f		Н	Э		ö	

Example: To set “ИВАН”, do the following operation.

$$\begin{matrix} \underline{BA} & \underline{B3} & \underline{B1} & \underline{BF} \\ \underline{И} & \underline{В} & \underline{А} & \underline{Н} \end{matrix}$$

COMMAND CODE	TITLE: DESTINATION OF SPLIT CALL FORWARDING
78	

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 (1-29 digits) + [EXE]

- To cancel destination of Split Call Forwarding

[ST] + 78 + [DE] + 1ST DATA (3 digits) + [DE] + FIRST DIGIT OF TRUNK ACCESS CODE + [] + CCC + [EXE]
/STATION NUMBER

DATA TABLE:

1ST DATA		2ND DATA		
DATA	MEANING	DATA	MEANING	DESTINATION
XX Y	XX: Tenant number (00-63) Y : Block number (0-7)	X-XX + [] + YY...YY	X-XX : Trunk Access Code (1-2 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) or Resident System Program, 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: TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS
81	

ASSIGNMENT PROCEDURE:

The following command format is used to change the standard assignment data above to meet local requirements:

ST + 81YY + DE + ^{TRUNK}RESTRICTION
DE + ^{CLASS}
 (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	Unrestricted (RCA)	0	Restricted
		2	Non-Restricted-1 (RCB)	1	Not used
		3	Non-Restricted-2 (RCC)	2	Not used
		4	Semi-Restricted-1 (RCD)	3	Allowed
		5	Semi-Restricted-2 (RCE)		
		6	Restricted-1 (RCF)		
		7	Restricted-2 (RCG)		
		8	Fully Restricted-1 (RCH)		

Continued on next page

COMMAND CODE	TITLE:
81	TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS

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:
85	MAXIMUM DIGITS ON C.O. CALLS

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=76 is assigned.

ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 85\text{Y} + \boxed{\text{DE}} + \text{AREA/OFFICE CODE (1-8 digits)} + \boxed{\text{DE}} + \text{MAXIMUM NUMBER OF SENDING DIGITS (2 digits)} + \boxed{\text{EXE}}$$

DATA TABLE:

◀: Initial Data

Y		AREA/OFFICE CODE		MAXIMUM NUMBER OF SENDING DIGITS	
No.	MEANING				
0	Area Code	X	Area/Office Code, or its part	00	Not used
∩	Development	∩		01	1 digit
7	Pattern No. 0-7			∩	∩
	0-4: For Toll Restriction	X...X	X: 0-9, A (*) B (#)	24◀	24 digits NOTE 1
	5-7: For LCR	(Maximum 8 digits)		∩	∩
	See CM35 Y=76 CM8A Y=4000-4004, 4005-4007			79	79 digits
				80	Go back to Area Code Development Pattern No. 0 for Toll Restriction (CM85 Y=0) NOTE 2
				∩	∩
				84	Go back to Area Code Development Pattern No. 4 for Toll Restriction (CM85 Y=4) NOTE 2
				85	Go back to Area Code Development Pattern No. 5 for LCR (CM85 Y=5) NOTE 2
				∩	∩
				87	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.

COMMAND CODE	TITLE:
85	MAXIMUM DIGITS ON C.O. CALLS

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
<p>FUNCTION:</p> <p>This command is used to define the development tables used for Least Cost Routing (LCR) and Toll Restriction (TR) features.</p>	
<p>PRECAUTION:</p> <p>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.</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p> $\boxed{\text{ST}}$ + 8AYYYY + $\boxed{\text{DE}}$ + $\frac{1\text{ST DATA}}{(1-8 \text{ digits})}$ + $\boxed{\text{DE}}$ + $\frac{2\text{ND DATA}}{(1-5 \text{ digits})}$ + $\boxed{\text{EXE}}$ </p>	

COMMAND CODE		TITLE:			
8A		TOLL RESTRICTION DEVELOPMENT TABLE			
DATA TABLE:					
Toll Restriction Development Table					
(See CM35 Y=11, 76)					
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	XXX 00 XXX: TR Pattern No. 000-255 (See CM8A Y=5000-5255) 00 : RT No.
1000 ? 1015	Tenant Pattern No. 00 ? Tenant Pattern No. 15	00 ? 63	Tenant No. 00 ? Tenant No. 63	0000 ? 0255	Route Pattern No. 000 ? Route Pattern No. 255 (CM8A Y=0000-0255)
2000 ? 2007	Time Pattern No. 0 ? Time Pattern No. 7	0000 ? 2330	HH MM HH : Hours 00-23 MM: Minutes 00/30	0000 ? 0255	Route Pattern No. 000 ? Route Pattern No. 255 (CM8A Y=0000-0255)
				1000 ? 1015	Tenant Pattern No. 00 ? Tenant Pattern No. 15 (CM8A Y=1000-1015)
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	Route Pattern No. 000 ? Route Pattern No. 255 (CM8A Y=0000-0255)
				1000 ? 1015	Tenant Pattern No. 00 ? Tenant Pattern No. 15 (CM8A Y=1000-1015)
				2000 ? 2007	Time Pattern No. 0 ? Time Pattern No. 7 (CM8A Y=2000-2007)

Continued on next page


COMMAND CODE	TITLE:
8A	TOLL RESTRICTION DEVELOPMENT TABLE

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4000 ? ?	Area Code Development Pattern No. 0	X ? XX...XX	Area Code (Maximum 8 digits)	0000 ? 0255	Route Pattern No. 000 ? Route Pattern No. 255 (CM8A Y=0000-0255)
4004	Area Code Development Pattern No. 4  See CM35 Y=76			1000 ? 1015	Tenant Pattern No. 00 ? Tenant Pattern No. 15 (CM8A Y=1000-1015)
				2000 ? 2007	Time Pattern No. 0 ? Time Pattern No. 7 (CM8A Y=2000-2007)
				3000 ? 3003	Date Pattern No. 0 ? Date Pattern No. 3 (CM8A Y=3000-3003)
				4000 ? 4004	Area Code Development Pattern No. 0 ? Area Code Development Pattern No. 4
				B000 ? B015	Toll Restriction Pattern No. 00 ? Toll Restriction Pattern No. 15  See CM81


Continued on next page

COMMAND CODE		TITLE:			
8A		TOLL RESTRICTION DEVELOPMENT TABLE			
◀: Initial Data					
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>A126- A129	0 1 2 3	LCR Group No. 0 LCR Group No. 1 LCR Group No. 2 LCR Group No. 3	4000 ? 4004	Area Code Development Pattern No. 0 ? Area Code Development Pattern No. 4





Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
LCR Development Table					
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	Next Pattern No. 000 ∟ Next Pattern No. 255
		1 2 3 4	1st 2nd 3rd 4th } Order of Choice	00000 ∟ 25563	XXX ZZ XXX: LCR Pattern No. 000-255 ( See CM8A Y=5000-5255) ZZ : Trunk Route No. 00-63
1000 ∟ 1015	Tenant Pattern No. 00 ∟ Tenant Pattern No. 15	00 ∟ 63	Tenant No. 00 ∟ Tenant No. 63	0000 ∟ 0255	Route Pattern No. 000 ∟ Route Pattern No. 255 (CM8A Y=0000-0255)
2000 ∟ 2007	Time Pattern No. 0 ∟ Time Pattern No. 7	0000 ∟ 2330	HH MM HH : Hours 00-23 MM: Minutes 00/30	0000 ∟ 0255	Route Pattern No. 000 ∟ Route Pattern No. 255 (CM8A Y=0000-0255)
				1000 ∟ 1015	Tenant Pattern No. 00 ∟ Tenant Pattern No. 15 (CM8A Y=1000-1015)
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	Route Pattern No. 000 ∟ Route Pattern No. 255 (CM8A Y=0000-0255)
				1000 ∟ 1015	Tenant Pattern No. 00 ∟ Tenant Pattern No. 15 (CM8A Y=1000-1015)
				2000 ∟ 2007	Time Pattern No. 0 ∟ Time Pattern No. 7 (CM8A Y=2000-2007)

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4005 ? ?	Area Code Development Pattern No. 5	X ? XX...XX	Area Code (Maximum 8 digits)	0000 ? 0255	Route Pattern No. 000 ? Route Pattern No. 255 (CM8A Y=0000-0255)
4007	Area Code Development Pattern No. 7  See CM35 Y=76			1000 ? 1015	Tenant Pattern No. 00 ? Tenant Pattern No. 15 (CM8A Y=1000-1015)
				2000 ? 2007	Time Pattern No. 0 ? Time Pattern No. 7 (CM8A Y=2000-2007)
				3000 ? 3003	Date Pattern No. 0 ? Date Pattern No. 3 (CM8A Y=3000-3003)
				4005 ? 4007	Area Code Development Pattern No. 5 ? Area Code Development Pattern No. 7
				5000 ? 5225	LCR Pattern No. 000 ? LCR Pattern No. 255
				8000	Intra-Office Termination
			Area Code (Maximum 8 digits) including LCR Access Code assigned by CM20>A129	8001 ? 8008	1-digit Intra-Office Station ? 8-digit Intra-Office Station

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
◀: Initial Data					
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: <i>Effective only for access code assigned by CM20>A126.</i>	000 ? 063	Route Pattern No. 00 ? Route Pattern No. 63
5000 ? 5255	LCR Pattern No. 000 ? LCR 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	6-digit Toll Restriction Pattern No. 00 ? 6-digit Toll Restriction Pattern No. 49 No 6-digit Toll Restriction
		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 CCC	Digit Addition Pattern No. 000 ? Digit Addition Pattern No. 255 No digit addition
		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

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ?	LCR Pattern No. 000 ?	151	Deletion of Area Code	0 1◀	To delete Not deleted
5255	LCR Pattern No. 255	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 CCC	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
		157	Kind of origination [Chinese No. 1]	00 01 02 03 04 05 06 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 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			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ?	LCR Pattern No. 000 ?	157	Type of Number 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
5255	LCR Pattern No. 255		Type of Number 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 Number- ing 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: LCR DEVELOPMENT TABLE
8A	


◀: Initial Data

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] NOTE: For assigning 4 or 5 digits Net- work ID;	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 NONE◀	Private INWATS OUTWATS Foreign Exchange (FX) Tie Trunk (TIE) No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Initial Data

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/SIP	0 1◀	To add Not added
		166	911 Notification on DESKCON/D ^{term} [North America Only] [Series 3300]	0 1◀	To provide Not provided
		167	IP Address Pattern for IP trunk  See CM5B , CMBA	000 ? 255	IP Address Pattern No. 000 ? IP Address Pattern No. 255
		168	Destination Point Code (DPC) for IP trunk/Virtual IPT Point-to-Multi-point connection	00001 ? 16367 NONE◀	DPC No data
Don't set the same DPC to two or more LCR Pattern number. If the same DPC is set, some of CCIS Service (Attendant Camp-On with Tone Indication-CCIS etc.) does not operate.					

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ∩ 5255	LCR Pattern No. 000 ∩ LCR Pattern No. 255	169	PAD control pattern for IP trunk Point-to-Multi-point connection	0 1 2 3 4 5 6 7 NONE◀	Programmable PAD by CM42 Fixed PAD As per CM35 Y=19
<p>NOTE: Set this data when setting the PAD data to each opposite office respectively. When setting the PAD data to each trunk route basis, set the 2nd data to "NONE".</p>					
		170	Echo canceller for IP trunk Point-to-Multi-point connection	0 1 NONE◀	Echo canceller OFF Echo canceller ON As per CM35 Y=163
<p>NOTE: Set this data when setting the echo canceller to each opposite office respectively. When setting the echo canceller to each trunk route basis, set the 2nd data to "NONE".</p>					
		171	Release timer for IP trunk Point-to-Multipoint connection	000 001 ∩ 127 NONE◀	30 seconds 1 minute ∩ (1 minute increments) 127 minutes As per CMA7 Y=45
<p>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".</p>					
		172	Sending Transit Network Selection [North America Only]	0 3◀	To send Not sent

Continued on next page

COMMAND CODE	TITLE: LCR DEVELOPMENT TABLE
8A	


◀: Initial Data


Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ∩ 5255	LCR Pattern No. 000 ∩ LCR Pattern No. 255	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 2000 IPS
		175	Detouring to the final route order when SIP fault (time-out of T1 timer [no answer timer for calling]) occurs [Series 3600]	0 1◀	To provide Not provided
		NOTE: When setting the second data to 0, the detour to the final order assigned by CM8A Y=0000-0255>1-4 is executed.			
		176	Calling party number sent from SIP Trunk [Series 3600]	00 01 02 08 14 15◀	Calling party number is not sent To send SIP subscriber number assigned by CM12 Y=12/13 (when no data is set to CM12 Y=12/13, the calling party number is not sent) To send SIP subscriber number assigned by CM12 Y=46/47 (when no data is set to CM12 Y=46/47, the calling party number is not sent) To send representative number To send the station number without Originating Office number To send station number

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ∩ 5255	LCR Pattern No. 000 ∩ LCR Pattern No. 255	177	Sharing LCR Pattern No. with alternative routing [Series 3300]	0 1◀	To provide (As per CM8A Y=5000- 5255>178) Not provided (As per CM8A Y=5000- 5255>100)
		178	Designation of Digit Addition Pattern No. (☞ See CM8A Y=5000-5255) [Series 3300]	9000 ∩ 9255 CCC	Digit Addition Pattern No. 000 ∩ Digit Addition Pattern No. 255 No digit addition
		180	Origination of a call by pressing “#” key [Series 3800]	0 1◀	To provide Not provided
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

Continued on next page

COMMAND CODE		TITLE:			
8A		LCR DEVELOPMENT TABLE			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
9000 ∩	Digit Addition Pattern No. 00 ∩	0	Entry of digit code to be added	X ∩ X...X	Digits to be added (Maximum 32 digits) X=0-9, A (*), B (#), C (Fixed Pause), D (Programmable Pause)
9255	Digit Addition Pattern No. 255			X ZZ	X : Kind of 32-Party Conference X=0-3 0: Group Call-Automatic Conference (Continue the conference when conference leader hangs up) 1: Group Call-Automatic Conference (End the conference when conference leader hangs up) 2: Group Call-Broadcasting (End the conference when conference leader hangs up) 3: Group Call-2 Way Calling ZZ: Group No. 00-07
				999	Meet-Me Conference
A000	Area Code Development Pattern No. for LCR Group  See CM20>A126-A129	0 1 2 3	LCR Group No. 0 LCR Group No. 1 LCR Group No. 2 LCR Group No. 3	4005 ∩ 4007	Area Code Development Pattern No. 5 ∩ Area Code Development Pattern No. 7

COMMAND CODE	TITLE:
90	D ^{term} /ATTCON/DESKCON/ADD-ON MODULE KEY ASSIGNMENT
FUNCTION: This command is used to assign functions to programmable keys on a D ^{term} , ATTCON, DESKCON or Add-on Module.	
PRECAUTION: <ol style="list-style-type: none">(1) “My Line” must always be assigned to any key on each D^{term} or Add-on Module.(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 D^{term}, D^{term}IP, ATTCON, DESKCON, DSS Console, and Add-On Module, refer to “APPENDIX B TERMINAL KEY ASSIGNMENT”.  Page B1	

<p>COMMAND CODE</p>	<p>TITLE:</p>
<p>90</p>	<p>D^{term} KEY ASSIGNMENT</p>
<p>ASSIGNMENT PROCEDURE:</p>	
<p>D^{term}</p> <p> $\boxed{\text{ST}} + 90\text{YY} + \boxed{\text{DE}} + \begin{matrix} \text{MY LINE} \\ \text{NUMBER} \\ (1-8 \text{ digits}) \end{matrix} + \boxed{,} + \begin{matrix} \text{KEY} \\ \text{NUMBER} \\ (01-24, 90-99) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1-8 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$ </p>	

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

DATA TABLE:

D^{term}

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/CM14 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: D^{term} KEY ASSIGNMENT
90	

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	AA01 ? AA05 AA11 ? AA15 : AA71 ? AA75	Loop Line number for D ^{term} Attendant Position AAX Z X: D ^{term} Attendant Position No. (0-7) Z: Loop Line No. (1-5)	CM11 CM15 Y=71 CM12 Y=03
		AB00 ? AB99	ICI/OPR Line number for D ^{term} Attendant Position number	CM11 CM15 Y=71 CM12 Y=03
		D000 ? D255	Trunk number	CM10/CM14 CM30 Y=02, 03, 18
		F0XXX	Service feature access code <u>XXX</u> 000: OG Queuing (OQ) Set/Cancel	CM15 Y=03, 25
			004: OG Queuing/Call Back (OQ/CB)/ Call Completion to Busy Subscriber (CCBS) Set/Cancel [For EU]	CM15 Y=02, 03, 25, 157, 158
			006: Executive Right of Way (EROW) (Executive Override)	CM15 Y=05
			010: Call Forwarding-All Calls Set/Cancel (FDA)	CM15 Y=00, 26
			012: Call Forwarding-Don't Answer (-No Answer) /Busy Line Set/Cancel (FDB/N)	CM15 Y=10, 11, 28
			014: Call Forwarding-Busy Line Set/ Cancel (FDB)	CM15 Y=11, 28

Continued on next page

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING		
00	Setting of Functions	F0XXX	Service feature access code <u>XXX</u>	CM15 Y=10	
			016: Call Forwarding-Don't Answer (-No Answer) Set /Cancel (FDN)		
			018: Call Forwarding-Destination Set (FDDS)		CM15 Y=15
			019: Call Forwarding-Destination Cancel (FDDC)		
			020: Call Pickup-Group (PICK)		CM16
			021: Call Pickup-Direct (DPICK)		CM15 Y=14
			022: Do Not Disturb Set/Reset (DND)		CM15 Y=19
			024: Automatic Wake Up (WU)/Timed Reminder		CM15 Y=13
			027: Wake Up Call set from predetermined station (Single Wake Up time operation) (SWU)		CM15 Y=20
028: Wake Up Call set from predetermined station (Multiple Wake Up time operation) (MWU)	CM15 Y=21				
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	D^{term} KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service feature access code <u>XXX</u>	CM15 Y=24
			040: Message Waiting Lamp Set (MWS)	
			041: Message Waiting Lamp Reset (MWR)	
			044: ACD/UCD Busy out (UCDB)	
			046: Call Hold (CHLD)	CM15 Y=01
			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: Speed Calling System (System Speed Dialing) (300 memory) 068: Speed Calling System (System Speed Dialing) (1000 memory)	
			069: Last Number Redial (LAST)	CM08>177, 178
			085: Account Code (ACC)	CM15 Y=30
			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	D^{term} KEY ASSIGNMENT

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service feature access code <u>XXX</u> A26: LCR Group 0 A27: LCR Group 1 A28: LCR Group 2	
			A46: Message Waiting Search ◀ Message	
			A70: Malicious Call Trace [Australia Only]	CM15 Y=211
			A80: Split Call Forwarding-All Calls Set/ Cancel A82: Split Call Forwarding-Busy Line/ Don't Answer (No Answer) Set/Cancel	
			A85: 6-Party Conference A86: 10-Party Conference	
			A88: Whisper Page	
			A94: Number Sharing Set/Cancel	
			A97: System Clock Setup by Station Dial- ing	
			A98: Call Park-System Set which retrieved by dialing station number	

Continued on next page

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING		
00	Setting of Functions	F0XXX	Service feature access code <u>XXX</u>	CM15 Y=119 CM56	
			B00: Simultaneous Paging Group 0 for 6/ 10 party λ		
			B07: Simultaneous Paging Group 7 for 6/ 10 party		
			B10: Re-participation Group 0 for 6/10 party λ		
			B17: Re-participation Group 7 for 6/10 party		
			B20: Simultaneous Paging Group 0 for Group Call-2 Way Calling λ		
			B27: Simultaneous Paging Group 7 for Group Call-2 Way Calling		
			B34: Call Pickup-Group (Pilot)		
			B39: D ^{term} IP Logout		CM15 Y=143
			B43: Speed Calling-System (System Speed Dialing) origination (4 digits/ 1-8 digits abbreviated Code) [Series 3300]		CM20 Y=0-3: A243
B51: Connection between D ^{term} SP30 and PS [Series 3400]					
B54: Restriction of additional participants to conference Set/Cancel [Series 3500]					
B56: Mobility Access Mode Set/Cancel [Series 3700 R12.1]	CM20 Y=0-3: A256, A257				

Continued on next page

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	B58: PS Location Search [Series 3800]	
			B59: 8-Party Conference [Series 3800]	

Continued on next page

COMMAND CODE	TITLE: D^{term} KEY ASSIGNMENT
90	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F1XXX	D ^{term} 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=47
			007: DTMF Additional Dial (Programmable) (PBPRG)	CM41 Y=0>14
			008: DTMF Additional Dial (Fixed Width) (PBIX)	CM35 Y=26
			009: Hooking Signal sent to outside (SHF)	CM35 Y=16
			010: ◀ [Hold] (HOLD)	CM15 Y=01, 64
			011: ◀ [Feature] 012: ◀ [Conf] (CNF) 013: Save & Repeat (2) (S&R2) 014: Save & Repeat (3) (S&R3)	
			015: ◀ [Recall] (RECALL)	CM15 Y=07 For UCD station CM17
			016: ◀ [Speaker] (SPKR) 017: [MIC] (MIC) Use as a one-touch mute key 018: -3dB pad on/off (internal calls only) 020: Release key (RLS)	
			032: OAI Function Key 0 ? 047: OAI Function Key 15	CMD7 Y=0
			058: QoS Display on D ^{term} IP [Series 3500]	

Continued on next page

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F1XXX	D ^{term} operation <u>XXX</u> 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=62
			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) 080: Do Not Disturb Override (DNDOV)	For Front Desk Terminal/D ^{term} TIMS functions CM15 Y=62
			085: Voice Message Waiting Service Individual Set when called station is no answer or busy	CM15 Y=100, 102
			090: Headset/Handset Key NOTE: <i>Used to switch to headset or back to handset.</i>	For ADA-J, ADA-W, D ^{term} 75 (D ^{term} Series E)
			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) 096: Address (Voice Mail Live Record) 097: Urgent Page (Voice Mail Live Record)	
			098: Voice Mail Key (Destination of CM51 Y=15)	

Continued on next page

COMMAND CODE	TITLE:
90	D^{term} KEY ASSIGNMENT

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING		
00	Setting of Functions	F1XXX	099: Select Key of Calling Number Display or Calling Name Display		
		F11XX	<u>XX</u> 00: Speed Calling-Station (Station Speed Dialing) 00 (SPD00) ? ? 99: Speed Calling-Station (Station Speed Dialing) 99 (SPD99)	CM73 CM74 CM15 Y=07	
		F12XX	<u>XX</u> 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 CM15 Y=49	
			78: All Zone Internal Paging	CM08>158 CM56 Y=00-07	
			80: ACD/UCD Group 0 Busy Lamp (UCD00) ? ? 95: ACD/UCD Group 15 Busy Lamp (UCD15)	CM15 Y=49 CM17 Y=2	
			F13XX	<u>XX</u> 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 D ^{term} simultaneously.	CM08>244, 245
				64: Event Occurrence Notice Button 01 ? ? 99: Event Occurrence Notice Button 36	CM9B Y=0

Continued on next page

COMMAND CODE	TITLE: D^{term} KEY ASSIGNMENT
90	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F3XXZ	Call Park-Tenant (CP001-CP638) XX: Group Number (00-63) Z : Serial Number (1-8)	CM08>133
		F40XX	<u>XX</u> 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	<u>XX</u> 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)	CM15 Y=96
		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	CM51 Y=16

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	D^{term} KEY ASSIGNMENT

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F5025	911 Notification [Series 3300] [North America Only]	CM90 Y=00: F0006 CM51 Y=16
		F5026	Record (Voice Mail Live Record-CCIS) [Series 3700 R12.1]	CM08>578
		F5027	End (Voice Mail Live Record-CCIS) [Series 3700 R12.1]	CM08>578
		F5028	Play (Voice Mail Live Record-CCIS) [Series 3700 R12.1]	CM08>675
		F6010 ∩ F6017	Call Termination from FX Line 0 (FX0) ∩ Call Termination from FX Line 7 (FX7)	CM35 Y=15
		F6020 ∩ F6027	Call Termination from WATS Line 0 (WATS0) ∩ Call Termination from WATS Line 7 (WATS7)	CM35 Y=15
		F6030 ∩ F6037	Call Termination from CCSA Line 0 (CCSA0) ∩ Call Termination from CCSA Line 7 (CCSA7)	CM35 Y=15
		F7XXZ	Relay Control Function Key XX: DK card No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44	CM44>XXZ> 1500
		01	Tone Ringer enabled on call termination	0 1◀	Disabled Enabled

Continued on next page

COMMAND CODE	TITLE: D^{term} KEY ASSIGNMENT
90	

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02	D ^{term} ringing tone by Day Mode/Night Mode [Series 3700 R12.2]	0 1 ◀ 2 3	Day Mode: No ringing/Night Mode: No ringing Day Mode: Ringing/Night Mode: Ringing Day Mode: No ringing/Night Mode: Ringing Day Mode: Ringing/Night Mode: No ringing	CM08>577
03	Ringing sending method when terminating a call to Line/Trunk key on D ^{term}	0 1 ◀	Delayed Ringing No Delayed Ringing NOTE: <i>Delayed Ringing can be assigned to the first 16/24 Line/Trunk keys.</i>	CM41 Y=1>09 CM12 Y=24
05	Call Indicator Lamp control	0 1 ◀	Not available Available (The lamp lights on call termination or recall.)	
06	Group Feature Key [Series 3500]	0 1 ◀	To provide Not provided NOTE: <i>Do not set the second data 0 to the My Line number of D^{term}s.</i>	CM08>199, 557, 558, 585

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

SN708/SN709/SN712/SN741 ATTCON

(1) Call Selection/Function Key Assignment:

$\boxed{\text{ST}}$ + 90YY + $\boxed{\text{DE}}$ + ATTCON NUMBER (E000-E007) + $\boxed{\text{,}}$ + ATTCON KEY NUMBER (2 digits) See next page + $\boxed{\text{DE}}$ + SETTING DATA (5 digits) + $\boxed{\text{EXE}}$

(2) Multi-Function Key Assignment:

$\boxed{\text{ST}}$ + 90YY + $\boxed{\text{DE}}$ + EXX Y + $\boxed{\text{,}}$ + MULTI-FUNCTION KEY NUMBER (01-06) + $\boxed{\text{DE}}$ + SETTING DATA (5 digits) + $\boxed{\text{EXE}}$

- XX: ATTCON Status No. (00-15)
- 00: Idle State
 - 01: When answering or originating
 - 02: When the called station is busy
 - 03: When the called station is in DND
 - 04: When accessing Hotel feature
 - 05:]
 - ?] Not Used
 - 15:]

Y : ATTCON No. (0-7)

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

SN716 DESKCON

(1) Call Selection/Function Key Assignment:

$\boxed{\text{ST}}$ + 90YY + $\boxed{\text{DE}}$ + ATTCON NUMBER (E000-E007) + $\boxed{\text{,}}$ + ATTCON KEY NUMBER (2 digits) See next page + $\boxed{\text{DE}}$ + SETTING DATA (5 digits) + $\boxed{\text{EXE}}$

(2) Multi-Function Key Assignment:

$\boxed{\text{ST}}$ + 90YY + $\boxed{\text{DE}}$ + EXX Y + $\boxed{\text{,}}$ + MULTI-FUNCTION KEY NUMBER (01-04) + $\boxed{\text{DE}}$ + SETTING DATA (5 digits) + $\boxed{\text{EXE}}$

XX: ATTCON Status No. (00-15)

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

05: $\left. \begin{array}{l} \text{?} \\ 15: \end{array} \right\}$ Not Used

Y : ATTCON No. (0-7)

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

SN708/SN709/SN712/SN741 ATTCON/SN716 DESKCON

- ATTCON Call Selection Key

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6000 ∩ F6007	C.O. Incoming Call 0 (LDN0) ∩ C.O. Incoming Call 7 (LDN7)	LDN0		CM35 Y=15
		F6010 ∩ F6017	Call Termination from FX Line 0 (FX0) ∩ Call Termination from FX Line 7 (FX7)			CM35 Y=15
		F6020 ∩ F6027	Call Termination from WATS Line 0 (WATS0) ∩ Call Termination from WATS Line 7 (WATS7)			CM35 Y=15
		F6030 ∩ F6037	Call Termination from CCSA Line 0 (CCSA0) ∩ Call Termination from CCSA Line 7 (CCSA7)			CM35 Y=15
		F6040 ∩ F6047	Tie Line Incoming Call 0 (TIE0) ∩ Tie Line Incoming Call 7 (TIE7)			CM35 Y=15
		F6050 ∩ F6053	Special Operator Call 0 (SPA0) ∩ Special Operator Call 3 (SPA3)			CM20>A090 -A093

NOTE: Do not assign ATTCON Incoming Call Identification Key data (F60XX) to key numbers 1 to 6.

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6054	Priority Call 0 (PRI0)			CM15 Y=17 CM08>250, CM20>A088
		F6055	Priority Call 1 (PRI1)			CM15 Y=18 CM08>251, CM20>A089
		F6056	Emergency Call (EMGC)			CM20>A094
		F6060	Operator Call (ATND)	ATND		
		F6061	Recall (RCL)	RCL		
		F6062	Serial Call Termination (SRL)			CM90 Y=00: F6105
		F6063	Call Forwarding-Don't Answer (-No Answer) (NANS)			CM51 Y=00, 01
		F6064	Call Forwarding-Busy Line (BUSY)			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 ATTENDANT CONSOLE Answer Key/lamp)			CM20>A095
		F6068	Call Forwarding-Don't Answer (No Answer) for a call which is transferred to another station once			CM35 Y=147

Continued on next page

COMMAND CODE		TITLE:					
90		ATTCON/DESKCON KEY ASSIGNMENT					
• ATTCON Function Key							
Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND	
No.	MEANING						
00	Setting of Functions	F6100	Room Cutoff (RC)	For Hotel ATTCON NOTE 1: Use the ANSWER key as the SET key for Hotel features.			
		F6101	Message Waiting (MW)				
		F6102	Do Not Disturb (DND)				
		F6103	Wake Up/Do Not Disturb Override (WU/OV)				
		F6104	Reset (RESET)				
		F6105	Serial Call Set (SC)			CM90 Y=00: F6062	
		F6106	Flash over trunk (CAS) (SHF)			CM35 Y=16	
		F6107	Busy Verification (BV)			CM08>012 CM15 Y=09	
		F6108	Do Not Disturb Override (DNDOV)	For Hotel ATTCON NOTE 2: Do not assign this data to key numbers 1 to 6.			
		F6109	Wake Up (WU)				
		F6110	Mode (MODE) NOTE 3: For SN716 DESKCON, this data is not required.		Day/Night mode change, ATT Lock-out		
		F6111	Programming (PROG) • Remote Access to System (DISA) • Speed Calling-System (System Speed Dialing) • Date and Time • Tone Ringer • Choice of Night Service			CM2A CM71 CM02	
		F6112	Out pulse (PB signal) short (SPB)			CM35 Y=26	
F6113	Out pulse (PB signal) long (LPB)			CM41 Y=0>14			

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND	
No.	MEANING						
00	Setting of Functions	F6120	Malicious Call Trace [Australia Only]			CM15 Y=211	
		F6121	Last Number Call (Last Number Redial)-Attendant/Stack Dial-Attendant				
		F6122	Select Key of Calling Number Display or Calling Name Display				
		F6123	Transfer to VMS				
		F6124	911 Notification [Series 3300] [North America Only]			NOTE	CM51 Y=16
		F6144	Call Park-System				CM08>445
		F6150 ∩ F6159	Paging 0 ∩ Paging 9				CM08>445
		F6200	Source (SRC)		SRC		
		F6201	Destination (DEST)		DEST		
		F6202	Cancel (CANCEL)		CANCEL		
		F6203	Talk (TALK)		TALK		
		F6204	Hold (HOLD)		HOLD		
		F6205	Start (START)				
		F6240 ∩ F6245	Loop 1 (LOOP 1) ∩ Loop 6 (LOOP 6)		LOOP 1 ∩ LOOP 6		

NOTE: Do not assign this data to key numbers 1 to 6.

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F1201	Lamp indication when trunks are all busy in Trunk Group 01 (TGB01)		Maximum 6 keys per ATTCON NOTE 1	CM30 Y=09
		?				
		F1262	Lamp indication when trunks are all busy in Trunk Group 62 (TGB62)			
		F7XXZ	XX Z XX: DK Card No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44		Relay Control Function Key NOTE 2	CM44>XXZ >1500

NOTE 1: Do not assign this data to key numbers 1 to 6.

NOTE 2: Only one key assignment is allowed per relay circuit.

Continued on next page

COMMAND CODE		TITLE:					
90		ATTCON/DESKCON KEY ASSIGNMENT					
<ul style="list-style-type: none"> ATTCON Multi-Function Key No. 01-06 (01-04 for DESKCON) See CM60 Y=17 							
Y No.	ATTCON 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) <ul style="list-style-type: none"> Remote Access to System (DISA) Speed Calling System (System Speed Dialing) Date and Time Tone Ringer Choice of Night Service 		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=16, 86 CM41 Y=2>17
			F6112	Out pulse (PB Signal) Short (SPB)			CM35 Y=26
			F6113	Out pulse (PB Signal) Long (LPB)			CM41 Y=0>14
			F6203	Talk (TALK)			
	02	When the called station is busy	F6107	Busy Verification (BV)		Attendant Override	CM08>012 CM15 Y=09
			F6119	Operator Monitoring (MONIT)		[Australia Only]	

Continued on next page

COMMAND CODE	TITLE:
90	ATTCON/DESKCON KEY ASSIGNMENT

Y No.	ATTCON 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)	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 (01-06).

NOTE 2: When setting or canceling a group of stations in DND/RC, use ATTCON status No. 00.

NOTE 3: The default setting of Multi-Function Keys is for Key No. 01-06.
(For details, see **NOTE 4** on next page.)

For DESKCON, change the Key No. to 01-04 because Key No. 05 and 06 are not available.

Continued on next page

COMMAND CODE	TITLE:				
90	ATTCON/DESKCON KEY ASSIGNMENT				

NOTE 4: *If no data is set, the Multi-Function keys are automatically set by initial data/Resident System Program as shown below.*

- Idle State

		PA	10:23 AM	TUE 12	
MODE	PROG				
01	02	03	04	05	06

MODE: Mode
PROG: Programming
- When answering or originating

		252 ANN	CL1	10:23 AM	TUE 12
SPB	LPB	SHF			SC
01	02	03	04	05	06

SPB : Out Pulse Short
LPB : Out Pulse Long
SHF : Flash Over Trunk
SC : Serial Call Set
TALK: Talk
- When the called station is busy

BSY			252	CL1	10:23 AM	TUE 12
						B.V
01	02	03	04	05	06	

B.V : Busy Verification
- When the called station is in DND

DND			252 ANN	CL1	10:23 AM	TUE 12
						DDOVR
01	02	03	04	05	06	

DDOVR: Do not Disturb
Override
- When accessing Hotel feature

		252 ANN	CL1	10:23 AM	TUE 12
RC	MW	DD	WU		
01	02	03	04	05	06

RC : Room Cutoff
MW : Message Waiting
DD : Do not Disturb
WU : Wake Up
RESET: Reset

<p>COMMAND CODE</p>	<p>TITLE:</p>
<p>90</p>	<p>ADD-ON MODULE KEY ASSIGNMENT</p>
<p>Add-On Module</p> <p> ST + 90YY + DE + MY LINE NUMBER (1-8 digits) + , + KEY NUMBER (30-89) + DE + DATA (1-8 digits) + EXE </p>	

COMMAND CODE	TITLE:
90	ADD-ON MODULE KEY ASSIGNMENT

Add-On Module

Y		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00	Setting of Functions	30	X	Station number	CM10/CM14 CM11
		}	}	• My Line number (FX-FXXXXXXXX)	
		54	XXXXXXXX	• Multiline number (Ordinary Station)	
				• Multiline number (assigned by CM11)	
				X=0-9, A (*), B (#)	
		A000	}	Automatic Intercom number	CM11 CM56 Y=10
		A031	}		
		A100	}		
		A131			
		A200	}	Manual Intercom number	CM11 CM56 Y=11
		A700	}		
		A201	}		
		A701	}		
		A224	}		
		A724			
		B000	}	Dial Intercom number	CM11 CM56 Y=12
		B900	}		
		B001	}		
		B901	}		
		:			
		B024	}		
		B924			
		D000	}	Trunk number	CM10/CM14 CM30 Y=18
		D255			

Continued on next page

COMMAND CODE		TITLE:			
90		ADD-ON MODULE KEY ASSIGNMENT			
◀: Initial Data					
Y		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00	Setting of Functions	30	F11XX	XX:	CM73 CM74
		∩ 89		00-99: Speed Calling-Station (Station Speed Dialing) 00-99	
		87	F0043	Day/Night Key	
		∩ 89		NOTE 1: Any one of key numbers 87 through 89 can be used for the Day/Night key.	
01	Tone Ringer enabled on call termination	30	0	Disabled	
		∩ 54	1◀	Enable	
03	Ringer sending method when terminating a call to Line/Trunk key on D ^{term}	30	0	Delayed Ringing	CM41 Y=1>09
		∩ 54	1◀	No Delayed Ringing NOTE 2: Delayed Ringing can be assigned to the first 16 Line/Trunk keys (Key No. 30 through 45).	

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 D^{term}.
 The prime line is the line seized when the D^{term} user goes off-hook or presses the speaker button.

PRECAUTION:

Any one station line or trunk line provided on the D^{term} 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. A single-line telephone cannot be assigned as the Prime Line.	CM10/CM14, CM11
	D000 ? D255	Trunk number	CM30 Y=02, 03, 18

COMMAND CODE	TITLE:
94	D^{term} ONE-TOUCH MEMORY
FUNCTION: This command is used to assign memory for the storage of numbers accessed by the one-touch keys on a D ^{term} .	
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 D ^{term} line key feature are provided, the same memory areas must be specified by CM73 and CM94.	
ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + 94 + \boxed{\text{DE}} + \begin{array}{l} \text{MY LINE} \\ \text{NUMBER} \\ (1-8 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ (6 \text{ digits}) \end{array} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
96	DSS CONSOLE NUMBER

FUNCTION:

This command is used to assign a DSS Console to a station, D^{term} or Attendant Console.



PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 96 + DE + DSS CONSOLE NUMBER (2 digits) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

DSS CONSOLE NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
00 ∟ 31	X ∟ XXXXXXXX	Single Line Telephone station number or My Line number of D ^{term}	CM10/CM14>E100-E131 CM97
 See CM10>E100-E131  See CM14>E100-E131	E000 ∟ E007	Attendant Console number	CM10/CM14>E000-E007 Large type ATTCON: CM06 Y=01 ATTCON: CM10/CM14>E000-E007

<p>COMMAND CODE</p>	<p>TITLE:</p>
<p>97</p>	<p>DSS CONSOLE KEY ASSIGNMENT</p>
<p>FUNCTION: This command is used to assign the station numbers and trunk numbers to the keys on each DSS Console.</p>	
<p>PRECAUTION: None</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 97 + DE + DSS CONSOLE NUMBER (2 digits) + , + DSS KEY NUMBER (2 digits) + DE + DATA (1-8 digits) + EXE </p>	

COMMAND CODE	TITLE:
97	DSS CONSOLE KEY ASSIGNMENT

DATA TABLE:

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00 ∟ 31	00 ∟ 59	X ∟ XXXXXXXX	Station number	CM10/CM14 CM11
☞ See CM10> E100- E131		DXXX	Trunk number (XXX=000-255)	CM10/CM14 CM30 Y=02, 03, 18
☞ See CM14> E100- E131		F13XX	<u>XX</u> 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	

Continued on next page

COMMAND CODE	TITLE:
97	DSS CONSOLE KEY ASSIGNMENT

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00 ? 31 ☞ See CM10> E100- E131 ☞ See CM14> E100- E131	57 ? 59	F1055	Function Button used for busy out display from 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 D^{term}.

PRECAUTION:

- (1) One Add-on Module number can be assigned for each My Line number of a D^{term}.
- (2) The Add-on Module number and My Line number must be in a PIM (or PIMs) controlled by the same FP.
- (3) This command should be performed before the data assignment of CM90.

ASSIGNMENT PROCEDURE:

ST + 98Y + DE + $\begin{matrix} \text{ADD-ON MODULE} \\ \text{NUMBER} \\ \text{(00-31)} \end{matrix}$ + DE + $\begin{matrix} \text{MY LINE NUMBER} \\ \text{(1-8 digits)} \end{matrix}$ + EXE

DATA TABLE:

Y	ADD-ON MODULE NUMBER	MY LINE NUMBER
0	00 ? 31	X ? XXXXXXXX
	See CM10>EC00-EC31 See CM14>EC00-EC31	

COMMAND CODE	TITLE:
9A	D^{term} SOFT KEY ASSIGNMENT
FUNCTION: This command is used to assign functions for the Soft Key on a D ^{term} .	
PRECAUTION: None	
ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + 9\text{AYY} + \boxed{\text{DE}} + \begin{array}{c} \text{STATUS NUMBER} \\ + \\ \text{SOFT KEY NUMBER} \\ (4 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA} \\ (2-12 \text{ digits}) \end{array} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
9A	D^{term} SOFT KEY ASSIGNMENT

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 λ 03	Setting of Soft Key function for each Pattern Number (Pattern Number 0-3)	aa bb	aa : Status Number (00-15) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling (Holding no call) 04: During calling (Holding a station/trunk) 05: Being called 06: When called party is busy (Holding no call) 07: When called party 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) 12: During live recording/after live recording to NEAXMail AD-8/IM-16 13-15: Not used 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 F5014 F5015 F5016 F5017 F5018 F5019 FXXXX NONE◀	Scroll key to change the Soft key indication Dial By Name for Speed Calling-System (System Speed Dialing) (300-Slot Memory) Dial By Name for Speed Calling-Station (Station Speed Dialing) Dial By Name for Speed Calling-System (System Speed Dialing) (1000-Slot Memory Block No. 0) Dial By Name for Speed Calling-System (System Speed Dialing) (1000-Slot Memory Block No. 1) Dial By Name for Speed Calling-System (System Speed Dialing) (1000-Slot Memory Block No. 2) Dial By Name for Speed Calling-System (System Speed Dialing) (1000-Slot Memory Block No. 3) Function key (Same as F0XXX, F1XXX, F50XX of CM90) See Default Data of CM9A (Pattern No. 3) on next page. No data
<p>NOTE: Dial By Name is available only when the D^{term} is in idle state. (Status Number of 1st data: 00)</p>					

Continued on next page

COMMAND CODE		TITLE:			
9A		D ^{term} 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	F5014	Dial By Name for Speed Calling-System (System Speed Dialing) (300-Slot Memory)	SYS.
0002		02	F5015	Dial By Name for Speed Calling-Station (Station Speed Dialing)	STA.
0100	During dialing (Holding no call)	00	F1001	Save & Repeat	S & R
0101		01	F0020	Call Pickup-Group	PICK
0103		03	F5002	Scroll key	>>>>
0104		04	F0010	Call Forwarding-All Calls Set/Cancel	FDA
0105		05	F0012	Call Forwarding-Don't Answer (-No Answer)/Busy Line Set/Cancel	FDN
0106		06	F0022	Do Not Disturb Set/Cancel	DND
0107		07	F5002	Scroll key	>>>>
0111		11	F5002	Scroll key	>>>>
0300	During calling (Holding no call)	00	F1002	Voice Call	VOICE
0301		01	F1001	Save & Repeat	S & R
0302		02	F1005	Message Reminder	MW
0303		03	F0004	Call Back Set	CB
0400	During calling (Holding station/trunk)	00	F1002	Voice Call	VOICE
0401		01	F1001	Save & Repeat	S & R
0402		02	F1005	Message Reminder	MW
0403		03	F5001	Transfer to VMS	VMTRF
0500	Being Called	00	F5003	Ringer Tone Changing	R-TONE

Continued on next page

COMMAND CODE		TITLE:			
9A		D ^{term} 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 is busy (Holding no call)	00	F0004	Call Back Set	CB
0601		01	F0A25	Call Waiting Set	CW
0602		02	F1005	Message Reminder	MW
0700	When called party is busy (Holding station/trunk)	00	F1005	Message Reminder	MW
0701		01	F5001	Transfer to VMS	VMTRF
0900	Trunk busy	00	F0000	Outgoing Queuing	OG-Q
1000	During speaking (Holding no call)	00	F1017	MIC ON/OFF	MIC
1100	During speaking (Holding station/trunk)	00	F1017	MIC ON/OFF	MIC
1200	During live recording/ after live recording to NEAXMail AD-8	00	F1096	Address	AddrS
1201		01	F1092	Pause	Pause
1202		02	F1094	End	End
1203		03	F5002	Scroll key	>>>>
1204		04	F1093	Re-record	ReRec
1205		05	F1095	Erase	Erase
1206		06	F1017	MIC ON/OFF	MIC
1207		07	F5002	Scroll key	>>>>
1208		08	F1097	Urgent Page	Urgnt
1209		09	NONE		
1210		10	NONE		
1211	11	F5002	Scroll key	>>>>	

COMMAND CODE		TITLE:				
9B		EVENT OCCURRENCE NOTICE BUTTON ASSIGNMENT				
FUNCTION:						
<p>This command is used to provide the event occurrence notice button. When the offices with CCIS via Virtual IPT connection are disconnected due to a fault occurrence, the link down can be notified to the D^{term}s/D^{term}IPs that are connected to the offices. Also the main site and remote site are disconnected due to a fault occurrence, the link down can be notified to the D^{term}s/D^{term}IPs that are connected to the both site.</p>						
PRECAUTION:						
None						
ASSIGNMENT PROCEDURE:						
<p style="text-align: center;"> ST + 9BY + DE + EVENT OCCURRENCE NOTICE BUTTON NUMBER + LINK DOWN NOTICE FOR CCIS/Remote PIM over IP (4 digits) + DE + DATA (1 digit) + EXE </p>						
DATA TABLE:						
Y		1ST DATA		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Link down notice for CCIS/Remote PIM over IP to the Event Occurrence Notice button	XX ZZ	XX: 01-36: Event Occurrence Notice Button No. ZZ : 00: Link down notice for CCIS 01-30: Remote Site No. to be notified 31: Link down notice for SIP [Series 3600]	0 1 ◀	To notify Not notified	CM90 Y=00: F1364-F1399

COMMAND CODE		TITLE:		
A5		NAILED DOWN CONNECTION		
FUNCTION:				
This command is used to define a nailed down connection, which provides a fixed connection between DTIs.				
PRECAUTION:				
None				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{A5YY/YYY} + \boxed{\text{DE}} + \begin{array}{l} \text{ISDN LINE STATION} \\ \text{NUMBER (A)} \\ (1-10 \text{ digits}) \end{array} / \begin{array}{l} \text{TRUNK} \\ \text{NUMBER (A)} \\ (4 \text{ digits}) \end{array} + \boxed{\text{DE}} +$ $\begin{array}{l} \text{ISDN LINE STATION} \\ \text{NUMBER (B)} \\ (1-10 \text{ digits}) \end{array} / \begin{array}{l} \text{TRUNK} \\ \text{NUMBER (B)} \\ (4 \text{ digits}) \end{array} + \boxed{\text{EXE}}$				
DATA TABLE:				
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
		ISDN LINE STATION NUMBER (A)/TRUNK NUMBER (A) + ISDN LINE STATION NUMBER (B)/TRUNK NUMBER (B)		
No.	MEANING	DATA	MEANING	
00 ? 99 000 ? 199	Memory block 00 ? Memory block 99 Memory block 000 ? Memory block 199	XXXXXXXX <input type="checkbox"/> Z D000 ? D255	X-XXXXXXXX: ISDN Line station number <input type="checkbox"/> : Separator Mark Z : 0 (B1 channel) 1 (B2 channel) Trunk number assigned by CM07 Y=01	CM1B CM07 Y=01

Continued on next page

COMMAND CODE	TITLE:
A5	NAILED DOWN CONNECTION
<p>To see the data setting of nailed down connection for each Memory Block Number, use CMA5 Y=999.</p>	
<p>Operation:</p>	
<p><input type="text"/> + A5999 + <input type="text"/> + MEMORY BLOCK NUMBER + <input type="text"/> (00-99/000-199)</p>	
<p>Display: A couple of station number (A)/station number (B) + <input type="text"/> + B channel number/Trunk number.</p>	

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
FUNCTION:				
This command is used to assign the various data to each Common Channel Handler (CCH), IP Trunk (IPT) and SIP Trunk provided.				
PRECAUTION:				
CCH/IPT/SIP trunk No. is assigned by CM06 Y=07.				
ASSIGNMENT PROCEDURE:				
[ST] + A7YY + [DE] + CCH/IPT/SIP TRUNK No. (0-7) + [DE] + ^{DATA} (1-12 digits) + [EXE]				
DATA TABLE:				
CCIS CHANNEL DATA				
				◀: Initial Data
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk used as Common Signaling channel	000 ? 254 NONE◀	Trunk number assigned by CM07 Y=01/Y=02 No data	CM07 Y=01, 02
01	Originating Point Code (OPC) <div style="text-align: center;">(INITIAL)</div>	00001 ? 16367 NONE◀	Originating Point Code No data	
<p>NOTE 1: The Originating Point Code is used to designate an originating office in the No. 7 CCIS network. A single OPC should be assigned to IPT No. 0 and all other Virtual IPTs provided in the same of- fice.</p> <p>NOTE 2: Do not change this data while the system is operating. If you do that, the operation of D^{term} IPs will be unstable.</p>				
02	Destination Point Code (DPC)	00001 ? 16367 NONE◀	Destination Point Code No data	
03	Centralized Billing Facility	0 1 3◀	Distant End is a Center Office Distant End is a Local Office Not provided	
Continued on next page				

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
				◀: Initial Data
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
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	0000 ∟ 9999 NONE◀	Originating Office number No data	CM08>801
07	Center Billing Office number for Closed Numbering Plan NOTE: <i>Effective when CMA7 Y=06 is not assigned.</i>	0000 ∟ 9999 NONE◀	Center Billing Office number No data	CM08>801
10	ACM signal waiting timer after sending IAI signal when originating calls via CCIS NOTE: <i>Assign the primary digit number of the 5-digit station number to be displayed.</i>	00 01 ∟ 14 15◀	0 second 2 seconds ∟ (2 seconds increments) 28 seconds 6 seconds	
26	Calling Name Display-CCIS NOTE: <i>Effective when CM08>255=1 and CM08>379=0.</i>	0 1◀	To provide Not provided	CM08>255, 379
28	Calling Party Information transferring service	0 1◀	To provide Not provided	
29	Multiple Call Forwarding-All Calls/Busy Line/Don't Answer-CCIS	0 1◀	Allowed Restricted (Only once)	CM08>370 CM42>72
30	Busy Lamp Field (BLF)-CCIS	0 1◀	To provide Not provided	

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COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
40	IP Address for own IP trunk	aaa bbb ccc ddd	IP Address for own IP trunk aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255 NOTE	
41	Subnet Mask for own IP Subnet	aaa bbb ccc ddd	Subnet Mask for own IP Subnet aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255 NOTE	
42	Default Gateway IP Address for own IP Subnet	aaa bbb ccc ddd	Default Gateway IP Address for own IP Subnet aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255 NOTE	
43	IP Address for opposite IP trunk	aaa bbb ccc ddd	IP Address for opposite IP trunk aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255 NOTE	
44	TOS field Precedence for IP trunk control packet TOS: Type of Service NOTE: <i>This data setting is ineffective when CMA7 Y=50 is set.</i>	0 2 7 15◀	PRECEDENCE 0 2 PRECEDENCE 7 PRECEDENCE 0	CM35 Y=134 CMA7 Y=50

Continued on next page

COMMAND CODE	TITLE:
A7	CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
45	Release timer for IP trunk Point-to-Multipoint connection	000 001 ∫ 127 NONE◀	30 seconds 1 minute ∫ 127 minutes Not released	
46	Connection method for IP trunks (IPT INITIAL)	0 1◀	Point-to-Multipoint Point-to-Point	

NOTE: *Example of data programming*

IP Address for own IP trunk=192. 168. 10. 1

Subnet Mask for own IP Subnet=255. 255. 255. 0

Default Gateway IP Address for own IP Subnet=192. 168. 10. 254

IP Address for opposite IP trunk=195. 168. 20. 1

CMA7 Y No.	SETTING DATA (aaa bbb ccc ddd)
40	<u>192</u> <u>168</u> <u>010001</u>
41	<u>255</u> <u>255</u> <u>255</u> <u>000</u>
42	<u>192</u> <u>168</u> <u>010254</u>
43	<u>192</u> <u>168</u> <u>020001</u>

Continued on next page

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
50	DS code point (DiffServ code) setting for IP trunk control packet	00-3F NONE◀	DS code point No data	CM35 Y=161 CMA7 Y=44
<p>NOTE 1: Set this data when the router provides DiffServ QoS, if required. DiffServ: Differentiated Services; one type of QoS. QoS : Quality of Service</p> <p>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=50.</p> <p>NOTE 3: This data setting is required only for Point-to-Multipoint connection.</p>				
52	Maximum threshold of packet discard probability for IP trunk (IPT INITIAL)	001 λ 100 NONE◀	1 % λ (1 % increments) 100 % 10 %	
53	Maximum value of jitter buffer for IP trunk (IPT INITIAL)	001 λ 060 NONE◀	1 ms. λ (10 ms. increments) 600 ms. 300 ms.	
NOTE: Assign the value which exceeds the minimum value for jitter buffer set by CMA7 Y=54.				
54	Minimum value of jitter buffer for IP trunk (IPT INITIAL)	001 λ 060 NONE◀	10 ms. λ (10 ms. increments) 600 ms. 40 ms.	
<p>NOTE 1: This data is used for the default delay for voice packet.</p> <p>NOTE 2: Assign the value which does not exceed the maximum value for jitter buffer set by CMA7 Y=53.</p>				

Continued on next page

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
55	Jitter adjustment interval for IP trunk (statistics count for jitter buffer) (IPT INITIAL)	001 λ 255 NONE◀	1 time λ (1 time increments) 255 times 5 times	CMA7 Y=56
NOTE: Jitter buffer is decreased by the interval of [jitter statistics interval (second) × jitter adjustment interval (time)].				
56	Jitter statistics interval for IP trunk (IPT INITIAL)	001 λ 255 NONE◀	1 second λ (1 second increments) 255 seconds 1 second	CMA7 Y=55
NOTE: Jitter buffer is increased by the interval set by this data.				
57	Time adjustment interval for IP trunk (IPT INITIAL)	001 λ 255 NONE◀	1 second λ (1 second increments) 255 seconds 10 seconds	
58	Maximum threshold value of early arrival packet used for jitter buffer adjustment for IP trunk (IPT INITIAL)	001 λ 100 NONE◀	1 % λ (1 % increments) 100 % 8 %	
NOTE: Jitter buffer is decreased only when the jitter buffer has not been increased and the IP trunk receives the number of packets which exceeds the value set by CMA7 Y=58.				

Continued on next page

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
59	Maximum threshold value of early arrival packet used for meantime adjustment for IP trunk (IPT INITIAL)	001 ∫ 100 NONE◀	1 % ∫ (1 % increments) 100 % 80 %	CMA7 Y=57
NOTE: The meantime is decreased only when the number of early arrival packets exceeds the value set by CMA7 Y=59 during the interval set by CMA7 Y=57.				
60	FAX mode detection timer for IP trunk (IPT INITIAL)	1 2 3 4 5 6 7◀	Always detect FAX mode No FAX mode detection (Voice mode only) 5 minutes 4 minutes 3 minutes 2 minutes 1 minute	
NOTE: This data setting is required for preventing detection error of audio packet. If the audio packet includes the same tone as FAX answer tone, the voice communication may be disconnected.				

Continued on next page

COMMAND CODE		TITLE:																																					
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA																																					
◀: Initial Data																																							
Y		SETTING DATA			RELATED COMMAND																																		
No.	MEANING	DATA	MEANING																																				
61	Voice encoding selection precedence for IP trunk ◻ IPT INITIAL ◻	4 5 6 7◀	Band Mode 2 Tone Quality Mode Band Mode 1 Standard Mode	} See the table below.																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DATA</th> <th rowspan="2">MODE</th> <th colspan="4">HIGH ← SELECTION PRECEDENCE → LOW</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4</td> <td>Band Mode 2</td> <td style="text-align: center;">G.723.1 (6.3 K)</td> <td style="text-align: center;">G.723.1 (5.3 K)</td> <td style="text-align: center;">G.729a</td> <td style="text-align: center;">G.711</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Tone Quality Mode</td> <td style="text-align: center;">G.711</td> <td style="text-align: center;">G.729a</td> <td style="text-align: center;">G.723.1 (6.3 K)</td> <td style="text-align: center;">G.723.1 (5.3 K)</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Band Mode 1</td> <td style="text-align: center;">G.723.1 (5.3 K)</td> <td style="text-align: center;">G.723.1 (6.3 K)</td> <td style="text-align: center;">G.729a</td> <td style="text-align: center;">G.711</td> </tr> <tr> <td style="text-align: center;">7◀</td> <td>Standard Mode</td> <td style="text-align: center;">G.729a</td> <td style="text-align: center;">G.723.1 (6.3 K)</td> <td style="text-align: center;">G.723.1 (5.3 K)</td> <td style="text-align: center;">G.711</td> </tr> </tbody> </table>						DATA	MODE	HIGH ← SELECTION PRECEDENCE → LOW				1	2	3	4	4	Band Mode 2	G.723.1 (6.3 K)	G.723.1 (5.3 K)	G.729a	G.711	5	Tone Quality Mode	G.711	G.729a	G.723.1 (6.3 K)	G.723.1 (5.3 K)	6	Band Mode 1	G.723.1 (5.3 K)	G.723.1 (6.3 K)	G.729a	G.711	7◀	Standard Mode	G.729a	G.723.1 (6.3 K)	G.723.1 (5.3 K)	G.711
DATA	MODE	HIGH ← SELECTION PRECEDENCE → LOW																																					
		1	2	3	4																																		
4	Band Mode 2	G.723.1 (6.3 K)	G.723.1 (5.3 K)	G.729a	G.711																																		
5	Tone Quality Mode	G.711	G.729a	G.723.1 (6.3 K)	G.723.1 (5.3 K)																																		
6	Band Mode 1	G.723.1 (5.3 K)	G.723.1 (6.3 K)	G.729a	G.711																																		
7◀	Standard Mode	G.729a	G.723.1 (6.3 K)	G.723.1 (5.3 K)	G.711																																		
<p>NOTE: When the voice encoding selection setting differs from that for the opposite IP trunk, the setting on the IP trunk which first makes the request of TCP connection takes priority over the other IP trunk. So, the voice encoding selection precedence may cause a difference in the user's usual IP trunk setting according to the circumstances when the TCP connection is made.</p>																																							
Continued on next page																																							

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA/IP TRUNK DATA/SIP TRUNK DATA		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
62	Payload size for IP trunk IPT INITIAL	0 1 2 3◀	10 ms. 20 ms. 30 ms. 40 ms.	
NOTE 1: Set the payload size according to the maximum voice channels per IPT card as follows.				
PAYLOAD SIZE		MAXIMUM VOICE CHANNELS PER IPT		
		G.729a	G.711	G.723.1
10 ms.		4	4	–
20 ms.		8	8	–
30 ms.		16	16	16
40 ms.		16	16	–
NOTE 2: When G.723.1 is applied for voice encoding, 30 ms. is set regardless of this data setting. NOTE 3: When the payload size setting differs from that for the opposite IP trunk, the shorter size than the other is adopted.				
63	Other destination CCH (Common Channel Handler) number when all voice channels of a destination IP trunk are busy [Series 3200 R6.2 (R6.2)]	0 7 NONE◀	CCH number No data	CMA7 Y=64 CM08>614 CMA8
64	IP trunk/SIP seizure sequence [Series 3200 R6.2 (R6.2)]	0 1◀	By allotter Lowest VCT circuit number	CMA7 Y=63
70	H.323/SIP LAN Interface number for control packet	00 7 15 NONE◀	LAN Interface number No data	
71	H.323/SIP Profile number for control packet	00 7 31 NONE◀	Profile number for control packet No data	CMBA

COMMAND CODE		TITLE:		
A8		CCIS ROUTING LABEL ASSIGNMENT		
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) which will accommodate the message.				
PRECAUTION:				
None				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}}$ + A8 + $\boxed{\text{DE}}$ + 1ST DATA (5 digits) + $\boxed{\text{DE}}$ + 2ND DATA (1 digit) + $\boxed{\text{EXE}}$				
DATA TABLE:				
				◀: Initial Data
1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00001	Destination Point Code (DPC) sent	0	CCH0	CM06 Y=07
?	from distant office assigned by	?	?	CM07 Y=02
16367	CMA7 Y=02	7	CCH7	
NOTE		NONE◀	No data	

NOTE: A maximum of 256 DPCs per system can be assigned.

COMMAND CODE		TITLE:		
A9		D-CHANNEL ASSIGNMENT		(DCH INITIAL)
FUNCTION:				
This command is used to assign the various data to each D-Channel Handler (DCH) for ISDN-Primary Rate Interface/Roaming.				
PRECAUTION:				
This command requires the DCH card reset after data setting.				
ASSIGNMENT PROCEDURE:				
[ST] + A9YY + [DE] + DCH No. (0-7/00-31) + [DE] + ^{DATA} (1-4 digits) + [EXE]				
DATA TABLE:				
				◀: Initial Data
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk used as D-Channel number 0-7	000 ∟ 255 NONE◀	DCH/PRT trunk number assigned by CM07 Y=01 No data	CM05 Y=0: 36 CM06 Y=08 CM07 Y=01 CM35 Y=93
	Trunk used as D-Channel number 00-31 [Series 3800]	000 ∟ 511 NONE◀	DCH/PRT trunk number assigned by CM07 Y=01 No data	
NOTE: Second data 256-511 can be set only when PN-24PRTA/PN-30PRTA/PN-DTA/PN-DTB card is accommodated in a remote site.				
01	Home PBX ID for indication on PS/D ^{term} for Roaming [For PCS]	X ∟ XXXX NONE◀	Home PBX ID No data	
	Own office number sent with the answering station number for Q-SIG network	0 ∟ 999 NONE◀	Own Office number No data	

COMMAND CODE		TITLE:		
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS		
FUNCTION:				
This command is used to assign the functions to the DTI, CIR, DCH, ICH, BRT, PRT, CCT, CFTC card, and Virtual AP.				
PRECAUTION:				
<p>(1) After setting CMAA Y=00-03, 09, 12, 13, the DTI reset is required. Set the Make Busy switch of the DTI/PRT/BRT/CCT card to UP then DOWN.</p> <p>(2) After setting CMAA Y=06, DTI/DCH/ICH reset is required. Set the Make Busy switch of the DTI/PRT/BRT/DCH/ICH card to UP then DOWN.</p> <p>(3) After setting CMAA Y=10, the CFT reset is required. Set the Make Busy switch of the CFTC card to UP then DOWN.</p> <p>(4) After setting CMAA Y=14, the system reset is required.</p> <p>(5) Assign Virtual AP number for the 1st data of CMAA Y=14 (Providing Virtual AP with control channel).</p> <p>(6) AP number 64-93 can be set only for PRT card accommodated in a remote site.</p>				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{AAYY} + \boxed{\text{DE}} + \overset{\text{AP NUMBER/}}{\text{VIRTUAL AP NUMBER}} + \boxed{\text{DE}} + \overset{\text{DATA}}{\text{(1-2 digits)}} + \boxed{\text{EXE}}$ <p style="text-align: center;">(04-15, 20-31, 64-93)</p>				
DATA TABLE:				
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Data Mode (24 DTI/PRT/CCT) <div style="text-align: right;">(DTI INITIAL)</div>	0 1◀	Based on AT&T Specifications Not Used	
01	Frame Configuration (24 DTI/PRT/CCT) <div style="text-align: right;">(DTI INITIAL)</div>	0 1◀	12-Multi Frame (D4) 24-Multi Frame (ESF)	
Continued on next page				

COMMAND CODE	TITLE:
AA	DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND					
No.	MEANING	DATA	MEANING						
02	ZCS (Zero Code Suppression) (24 DTI/PRT/CCT) NOTE DTI INITIAL	0 1◀	Available (Non Transparent) Not available (Transparent)						
03	Control Mode (24/30 DTI/PRT/CCT) DTI INITIAL	0 2 6 7◀	<table style="border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">2</td> <td rowspan="2" style="padding-left: 5px;">] Not used</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">6</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">7</td> <td style="padding-left: 5px;">Common Channel Interoffice Signaling (CCIS)/Associated Channel Interoffice Signaling (ACIS)</td> </tr> </table>	2] Not used	6	7	Common Channel Interoffice Signaling (CCIS)/Associated Channel Interoffice Signaling (ACIS)	
2] Not used								
6									
7	Common Channel Interoffice Signaling (CCIS)/Associated Channel Interoffice Signaling (ACIS)								

NOTE: This data is effective only when CMAA Y=01 is set to 0 (12-Multi Frame).

Continued on next page

COMMAND CODE		TITLE:		
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS		
				◀: Initial Data
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
06	ISDN Protocol Type for DCH/PRT DTI INITIAL DCH INITIAL	17	Australia	CM05
		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 [Series 3200 R6.2 (R6.2)] [For EU]	
		32	Netherlands [Series 3200 R6.2 (R6.2)] Greece/Luxembourg/Portugal/ Spain/Sweden [Series 3500] [For EU]	
		33	Italy [Series 3200 R6.2 (R6.2)] [For EU]	
		34	ETSI (Huawei) [Series 3300] [For China]	
62	Q-SIG (for PN-DTA/PN-DTB)			
63	◀ Not used			

Continued on next page

COMMAND CODE		TITLE:		
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
06	ISDN Protocol Type for BRT BRT INITIAL	17	Australia	CM05
		18	New Zealand	
		20	AT&T (#4, #5 ESS)	
		21	NTI (DMS 100, 250)	
		22	Australia ETSI	
		24	ETSI Standard (Brazil, Columbia, Indonesia, UAE)	
		25	ITU-T Standard (Thailand)	
		27	USA NI-1	
		28	USA NI-2	
		31	Germany [Series 3200 R6.2 (R6.2)] [For EU]	
		32	Netherlands [Series 3200 R6.2 (R6.2)] [For EU]	
		33	Italy [Series 3200 R6.2 (R6.2)] [For EU]	
		63◀	Not used	
ISDN Terminal Type for ICH ICH INITIAL	24	ETSI Terminal	NOTE	
	63◀	Not ETSI Terminal		
NOTE: To accommodate the ISDN terminal with ETSI specification, set this data to "24". Set "63" for the ISDN terminal with any other specification.				

Continued on next page

COMMAND CODE		TITLE:		
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
07	Sending method of calling number from/to network for MFR/CIR/911 sender card	0 1 3 7◀	CALLER ID (CLASS SM) T1-ANI Enhanced 911 MFC-R2	
09	Idle Code on ISDN B Channels DTI INITIAL	0 1◀	Send 7F to PSTN Send FF to PSTN	
10	Conference trunk partition for CFTC (for 32-Party Conference) CFT INITIAL	0 1 2 3◀	Four 8-Party Conference groups (8+8+8+8) One 16-Party Conference group and two 8-Party Conference groups (16+8+8) Two 16-Party Conference groups (16+16) One 32-Party Conference group (32)	
	Conference trunk partition for CFTC (for 8-Party Conference) CFT INITIAL [Series 3800]	0 1 2 3◀	Four 8-Party Conference groups (8+8+8+8) Three 8-Party Conference groups (8+8+8) Two 8-Party Conference groups (8+8) One 8-Party Conference group (8)	
12	Rering facility [Chinese No. 1] DTI INITIAL	0 1◀	To provide Not provided	
13	Forced Release facility [Chinese No. 1] DTI INITIAL	0 1◀	To provide Not provided	

Continued on next page

COMMAND CODE		TITLE:								
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS								
◀: Initial Data										
Y		SETTING DATA		RELATED COMMAND						
No.	MEANING	DATA	MEANING							
14	Selection of DCH for ISDN-PRI INITIAL	0 1 ◀	PN-24PRTA/PN-30PRTA/ PN-DTA/PN-DTB (Built-in DCH) PN-SC01 (DCH)	CM05 Y=0: 12						
	Selection of CCH for CCIS INITIAL	0 1 ◀	PN-24CCTA/PN-30CCTA/ PN-DTA/PN-DTB (Built-in CCH) PN-SC00 (CCH)	CM05 Y=0: 11						
	Selection of DTI for T1 interface INITIAL	0 1 ◀	PN-24PRTA/PN-DTA/PN-DTB PN-24DTA-C	CM05 Y=0: 09						
	Selection of 8ICH or ILC for ISDN terminal control channel INITIAL [Series 3800]	0 1 ◀	ILC (PN-2ILCC) 8ICH (PN-SC03-B)	CM05 Y=0: 13						
	Providing Virtual AP with control channel INITIAL	0 1 ◀	Without control channel With control channel	CM05 Y=4/8						
<p>NOTE: This data setting depends on the second data of CM05 Y=4/8. Set the data as the following combination.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CM05 Y=4/8 2ND DATA</th> <th>CMAA Y=14 2ND DATA</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>1</td> </tr> <tr> <td>13</td> <td>0</td> </tr> </tbody> </table>					CM05 Y=4/8 2ND DATA	CMAA Y=14 2ND DATA	12	1	13	0
CM05 Y=4/8 2ND DATA	CMAA Y=14 2ND DATA									
12	1									
13	0									
	Selection of DCH for Q-SIG [Series 3200 R6.2 (R6.2)] INITIAL	0	PN-30PRTA/PN-DTA/PN-DTB (Built-in DCH)	CM05 Y=0: 36						

Continued on next page

COMMAND CODE		TITLE:		
AA		DTI/CIR/DCH/ICH/BRT/PRT/CCT/CFTC/VIRTUAL AP FUNCTIONS		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
15	Type of PRT/CCT	0 1◀	PN-30PRTA/PN-30CCTA/ PN-DTA/PN-DTB (30PRT/30CCT) PN-24PRTA/PN-24CCTA/ PN-DTA/PN-DTB (24PRT/24CCT)	
16	Providing PRT/BRT card with ISDN Advice of Charge (AOC) [UAE Only] [Series 3500]	0 1◀	To provide Not provided	CM42>69, 70
17	A-law/μ-law setting of PN-DTB (PRT) card [Taiwan Only] [Series 3900]	0 1 3◀	A-law μ-law Depends on CM04 Y=10>00	
NOTE: When providing A-law/μ-law conversion for PRT in Taiwan, assign the second data of CMAA Y=17 to 0/1 (A-law/μ-law) and set the SW3-3 of PN-DTB card to ON.				

COMMAND CODE	TITLE:			
AC	ISDN FUNCTIONS		INITIAL	
FUNCTION:				
This command is used to assign the functions to the ICH/BRT card.				
PRECAUTION:				
This command requires system reset after data setting.				
ASSIGNMENT PROCEDURE:				
<div style="display: flex; justify-content: space-around; align-items: center;"> ST + ACYY + DE + ICH No./ISDN DCH No. (00-15) + ISDN LINE No. (0-7) + DE + DATA (1-8 digits) + EXE </div> <div style="display: flex; justify-content: space-around; align-items: center;"> ST + AC30 + DE + AP No. (04-15, 20-31) + BCH No. (0-7) + DE + ISDN SUBSCRIBER No. (4 digits) + SPID (4 digits) + EXE </div>				
DATA TABLE:				
◀: Initial Data				
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	0 1◀	Point-to-Point connection Point-to-Multipoint connection	
02	TEI (Terminal Endpoint Identifier)	0 1◀	Manual TEI assignment Automatic TEI assignment	
03	Passive Bus in Point-to-Multipoint connection	0 1◀	Extended Passive Bus Short Passive Bus	
04	Layer 1 activation	0 1◀	Always activated Activated by call event	
06	Checking of TEI (Terminal End-point Identifier) when Layer 2 data link is released	0 1◀	To provide Not provided	
10	National ISDN-1 mode [North America Only]	0 1◀	To provide Not provided	
Continued on next page				

COMMAND CODE		TITLE:		INITIAL
AC		ISDN FUNCTIONS		
◀: Initial Data				
Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
11	Sending of expanded information on Low Layer Compatibility (LLC) information element for connection between ISDN terminal/ISDN trunks [Series 3200 R6.2 (R6.2)]	0 1◀	Allow Restricted	CM08>722 CM35 Y=130
15	Hunting timing when ISDN terminal break down [Series 3200 R6.2 (R6.2)]	01 ? 06 NONE◀	1 second ? 6 seconds (1 second increments) No data	CM08>528
30	SPID (Service Profile ID) for each B channel of BRT card [North America Only]	XXXX ZZZZ (8 digits)	XXXX: ISDN Subscriber No. ZZZZ : SPID	

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

FUNCTION:

This command is used to assign the calling area and PAD data for each CS/ZT.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + ADYY + **[DE]** + CS/ZT NUMBER (3 digits) + **[DE]** + SETTING DATA (2-12 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
00	Calling Area	000-255	XX Y ZZ NONE◀ CCC	XX: Calling Area No. (00-31) Y : Group No. (0-7) ZZ : Group CS/ZT No. (00-31) No data Data clear
01	PAD Data (CSI/Virtual CS/ZT-COT/LDT/ ODT/DID/IPT) NOTE		PAD 00 01 02 03 04 05 06 07 08 09 10 11 12 13 15◀	Transmitter/Receiver PAD (dB) +: Gain -: Loss 0/0 0/+3 0/+6 0/-3 +3/+3 +3/+6 +3/-3 -3/-3 +3/0 +6/0 -3/0 -3/0 0/-3 0/-6 0/0

NOTE: This command is effective only when WLAN terminal (MH220) is used in WLAN system.

Continued on next page

COMMAND CODE		TITLE:		
AD		CS/ZT CALLING AREA/PAD DATA ASSIGNMENT		
◀: Initial Data				
Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
04	Receiving sensibility of LCCH from PS to ZT [Latin America Only] NOTE	000-255	01	40 dB (Faint)
			02	20 dB (Average)
			15◀	0 dB (Strong)
05	Sending Level of LCCH from CS/ZT to PS NOTE	000-255	01	• BS01 10 mW, -35 dB (Faint)
			02	10 mW, -15 dB (Average)
			15◀	10 mW, 0 dB (Strong)
			01	• BS21/BS21A/BS31/BS41 10 mW, -15 dB (Faint)
			02	10 mW, -15 dB (Average)
			15◀	10 mW, 0 dB (Strong)
06	Receiving sensibility of TCH from PS to ZT [Latin America Only] NOTE	000-255	01	• ZT [Latin America Only] 10 mW, -40 dB (Faint)
			02	10 mW, -20 dB (Average)
			15◀	10 mW, 0 dB (Strong)
06	Receiving sensibility of TCH from PS to ZT [Latin America Only] NOTE	000-255	01	40 dB (Faint)
			02	20 dB (Average)
			15◀	0 dB (Strong)

NOTE: Follow the initial data setting. When you change the data of CMAD Y=04/05/06/07, contact NEC.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
07	Sending Level of TCH from CS/ ZT to PS NOTE	000-255	01	• BS01 10 mW, -35 dB (Faint)
			02	10 mW, -15 dB (Average)
			15◀	10 mW, 0 dB (Strong)
			01	• BS21/BS21A/BS31 10 mW, -15 dB (Faint)
			02	10 mW, -15 dB (Average)
			15◀	10 mW, 0 dB (Strong)
			01	• ZT [Latin America Only] 10 mW, -40 dB (Faint)
			02	10 mW, -20 dB (Average)
			15◀	10 mW, 0 dB (Strong)
	Control Slot		01	• BS41 Control Slot CSID fixed
			02	Control Slot 0 fixed
			15◀	No data

NOTE: Follow the initial data setting. When you change the data of CMAD Y=04/05/06/07, contact NEC.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
08	PAD Data (CSI/Virtual CS/ ZT-BRT/DTI/PRT/CCT/Virtual IPT) NOTE	000-255	PAD	Transmitter/Receiver PAD (dB) +: Gain -: Loss
			00	0/0
			01	0/+3
			02	0/+6
			03	0/-3
			04	+3/+3
			05	+3/+6
			06	+3/-3
			07	-3/-3
			08	+3/0
			09	+6/0
			10	-3/0
			11	-3/0
			12	0/-3
			13	0/-6
			15◀	0/0

NOTE: This command is effective only when WLAN terminal (MH220) is used in WLAN system.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
09	PAD Data (CSI/Virtual CS/ZT-LC/DLC/ILC/ATI) NOTE	000-255	PAD	Transmitter/Receiver PAD (dB) +: Gain -: Loss
			00	0/0
			01	0/+3
			02	0/+6
			03	0/-3
			04	+3/+3
			05	+3/+6
			06	+3/-3
			07	-3/-3
			08	+3/0
			09	+6/0
			10	-3/0
			11	-3/0
			12	0/-3
			13	0/-6
			15◀	0/+6

NOTE: This command is effective only when WLAN terminal (MH220) is used in WLAN system.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
10	PAD Data (CSI/Virtual CS/ZT-CSI) NOTE	000-255	PAD	Transmitter/Receiver PAD (dB) +: Gain -: Loss
			00	0/0
			01	0/+3
			02	0/+6
			03	0/-3
			04	+3/+3
			05	+3/+6
			06	+3/-3
			07	-3/-3
			08	+3/0
			09	+6/0
			10	-3/0
			11	-3/0
			12	0/-3
			13	0/-6
			15◀	0/+6

NOTE: This command is effective only when WLAN terminal (MH220) is used in WLAN system.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
19	ZT Type [For PCS]	000-255	00◀	ZT II-U/ ZT II-S/ ZT II with SP3276 CS PROG-A version 6A or later/ NOTE 1 ZT II with SP3547 CS PROG-A NOTE 1
			15	ZT/ ZT II with SP3276 CS PROG-A version under 6A NOTE 1
20	PAD Data (Virtual CS/ZT-CFT) [Series 3600] NOTE 2		PAD	Transmitter/Receiver PAD (dB) +: Gain -: Loss
			00	0/0
			01	0/+3
			02	0/+6
			03	0/-3
			04	+3/+3
			05	+3/+6
			06	+3/-3
			07	-3/-3
			08	+3/0
			09	+6/0
			10	-3/0
			11	-3/0
			12	0/-3
13	0/-6			
15◀	0/0			

NOTE 1: The ZT software name and its version are written on the label in the rear side of ZT.

NOTE 2: This command is effective only when WLAN terminal (MH220) is used in WLAN system.

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
24	Kind of CS interface [For PHS] <div style="text-align: center;">(CSH INITIAL)</div>	000-255	00 15◀	BS31/BS41 BS21/BS21A
	Kind of ZT interface [For PCS] <div style="text-align: center;">(CSH INITIAL)</div>		00 15◀	ZT II-U ZT/ZT II/ZT II-S
27	Registration the MAC Address of the IP-CS [For PHS] [Series 3300]		XXXXXX XXXXXX NONE◀	MAC Address (12 digits) No data
28	Master IP-CS, Submaster IP-CS or Slave IP-CS for wireless synchronization between IP-CSs [For PHS] [Series 3300] <div style="text-align: right;">NOTE</div>		0 1 2 NONE◀	Master IP-CS Submaster IP-CS Slave IP-CS Slave IP-CS

NOTE: Start IP-CSs Up in the following order.

1. Master IP-CS
2. Submaster IP-CS
3. Slave IP-CS

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
29	Location number for each IP-CS [For PHS] [Series 3300]	000-255	00	Location number 00
	Location number for each Virtual CS/ZT for WLAN NOTE 1 [Series 3600]		∟	∟
Wireless Block number for each IP-CS NOTE 2 [For PHS] [Series 3300]			63	Location number 63
	Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		NONE◀	Location number 00
Timing until Fixed Master mode/ Non- Fixed Master mode of Master IP-CS and Submaster IP-CS starts up [For PHS] [Series 3600]			00	Wireless Block number 00
	Wireless Block number for each IP-CS NOTE 2 [For PHS] [Series 3300]		∟	∟
Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		09	Wireless Block number 09	
	Timing until Fixed Master mode/ Non- Fixed Master mode of Master IP-CS and Submaster IP-CS starts up [For PHS] [Series 3600]	NONE◀	Wireless Block number 00	
Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		01	6 seconds	
	Timing until Fixed Master mode/ Non- Fixed Master mode of Master IP-CS and Submaster IP-CS starts up [For PHS] [Series 3600]	∟	∟ (6 seconds increments)	
Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		14	84 seconds	
	Timing until Fixed Master mode/ Non- Fixed Master mode of Master IP-CS and Submaster IP-CS starts up [For PHS] [Series 3600]	15◀	30 seconds	
Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		01	See next page	
	Timing until Fixed Master mode/ Non- Fixed Master mode of Master IP-CS and Submaster IP-CS starts up [For PHS] [Series 3600]	∟		
Timing until Submaster IP-CS starts up [For PHS] [Series 3300]		15◀		

NOTE 1: *The Virtual CSs/ZTs registered with the same SIP Server have to be assigned the same location number.*

NOTE 2: *Set the same wireless block number for the group of IP-CS whose radio zone overlaps directly or indirectly each other.*

Continued on next page

COMMAND CODE		TITLE:															
AD		CS/ZT CALLING AREA/PAD DATA ASSIGNMENT															
◀: Initial Data																	
Y	MEANING	CS/ZT No.	SETTING DATA														
			DATA MEANING														
32	<p>NOTE 1: <i>The meaning of the second data is different from the master IP-CS and the submaster IP-CS.</i></p> <table border="1"> <thead> <tr> <th>Second Data</th> <th>Master IP-CS</th> <th>Submaster IP-CS</th> </tr> </thead> <tbody> <tr> <td>01-07</td> <td>Non-fixed master mode</td> <td>Timing until Submaster IP-CS starts up 42-114 seconds (12 seconds increments)</td> </tr> <tr> <td>08</td> <td>Fixed master mode</td> <td>Timing until Submaster IP-CS starts up 30 seconds</td> </tr> <tr> <td>09-14</td> <td>Fixed master mode</td> <td>Timing until Submaster IP-CS starts up 42-102 seconds (12 seconds increments)</td> </tr> <tr> <td>15◀</td> <td>Non-fixed master mode</td> <td>Timing until Submaster IP-CS starts up 30 seconds</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Fixed master mode: operates as a Master IP-CS without synchronizing with another CS/ZT, even if the CS/ZT that the wireless synchronization has already provided. • Non-fixed master mode: operates as a submaster IP-CS synchronizes with the CS/ZT that the wireless synchronization has already provided. • Timing until Submaster IP-CS starts up: some IP-CSs that are registered as a submaster IP-CS operate as the master IP-CS when the submaster IP-CS starts up without the master IP-CS starting. To avoid this, the time of submaster IP-CS starting can be delayed. <p>NOTE 2: <i>Set the second data 08 usually, to operate the master IP-CS with fixed master mode and to start the submaster IP-CS with 30 seconds behind.</i></p> <p>NOTE 3: <i>Set the initial data to the submaster IP-CS usually.</i></p> <p>NOTE 4: <i>Set the data considering the submaster IP-CS stating time to the master IP-CS, since the master IP-CS operates as a submaster IP-CS when the submaster IP-CS that is associated by CMAD Y=48 has operated as a master IP-CS.</i></p> <p>Example: <i>To operate the master IP-CS with the fixed master mode when the master IP-CS operates as itself, and to set the behind time of submaster starting is 42 seconds when the master IP-CS operates as a submaster IP-CS, set the second data to 09.</i></p>	Second Data	Master IP-CS	Submaster IP-CS	01-07	Non-fixed master mode	Timing until Submaster IP-CS starts up 42-114 seconds (12 seconds increments)	08	Fixed master mode	Timing until Submaster IP-CS starts up 30 seconds	09-14	Fixed master mode	Timing until Submaster IP-CS starts up 42-102 seconds (12 seconds increments)	15◀	Non-fixed master mode	Timing until Submaster IP-CS starts up 30 seconds	
Second Data	Master IP-CS	Submaster IP-CS															
01-07	Non-fixed master mode	Timing until Submaster IP-CS starts up 42-114 seconds (12 seconds increments)															
08	Fixed master mode	Timing until Submaster IP-CS starts up 30 seconds															
09-14	Fixed master mode	Timing until Submaster IP-CS starts up 42-102 seconds (12 seconds increments)															
15◀	Non-fixed master mode	Timing until Submaster IP-CS starts up 30 seconds															

Continued on next page

COMMAND CODE		TITLE:		
AD		CS/ZT CALLING AREA/PAD DATA ASSIGNMENT		
◀: Initial Data				
Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
33	Time limit of initial synchronous processing [For PHS] [Series 3300]	000-255	01	1.5 seconds
			∟	∟ (1.5 seconds increments)
			14	21 seconds
			15◀	15 seconds
34	Time limit for receiving the notice message of wireless channel information at the synchronous processing [For PHS] [Series 3300]		01	100 ms.
			∟	∟ (100ms. increments)
			14	1400 ms.
			15◀	500 ms.
35	Number of continuation synchronous bit off message for judging a gap [For PHS] [Series 3300]		01	1 message
			∟	∟
			14	14 messages
			15◀	4 messages
36	Time limit for receiving the LCCH for judging a gap [For PHS] [Series 3300]		01	1.5 seconds
			∟	∟ (1.5 seconds increments)
			14	21 seconds
			15◀	6 seconds
37	TCH detection timer for Master IP-CS when operating as a Stand-alone CS [For PHS] [Series 3300]		01	10 minutes
			∟	∟ (10 minutes increments)
			14	140 minutes
			15◀	60 minutes
38	TCH detection timer when the synchronization of Submaster/ Slave IP-CS is in a gap state [For PHS] [Series 3300]		01	10 minutes
			∟	∟ (10 minutes increments)
			14	140 minutes
			15◀	60 minutes

Continued on next page

COMMAND CODE	TITLE:
AD	CS/ZT CALLING AREA/PAD DATA ASSIGNMENT

◀: Initial Data

Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
39	Threshold of electric field strength [For PHS] [Series 3300]	000-255	001 2 254 NONE◀	1 dB 2 254 dB 40 dB
40	Provide the call log collection with the IP-CS [Series 3500]		0 1◀	To provide Not provided
NOTE: When changing this data of IP-CS accommodated in a remote site, execute the office data copy by CMEC Y=8 to the remote site.				
41	Provide the fault log collection with the IP-CS [Series 3500]	000-255	0 1◀	Not provided To provide

Continued on next page

COMMAND CODE		TITLE:		
AD		CS/ZT CALLING AREA/PAD DATA ASSIGNMENT		
◀: Initial Data				
Y	MEANING	CS/ZT No.	SETTING DATA	
			DATA	MEANING
48	Association of Master IP-CS and Submaster IP-CS [Series 3600]	000-255	000 ? 255 NONE◀	CS number 000 ? CS number 255 No data
<p>NOTE 1: <i>When the IP-CS that registered as a submaster IP-CS operates as a master IP-CS because the master IP-CS has trouble or the submaster IP-CS starts up without a master IP-CS starting, there is no submaster IP-CS in a wireless block area. In this case, if the power failure of the IP-CS that operates as a master IP-CS occurs, there is no IP-CS that becomes a destination of wireless synchronization. And when there are multiple master IP-CSs in a wireless block area, the available voice channels will be reduced or an electric wave meddling will occur. To avoid these, establish one master IP-CS and one submaster IP-CS in a wireless block area by this data setting.</i></p> <p><i>The following operation is available by this data setting.</i></p> <p><i><For master IP-CS></i></p> <p><i>When the master IP-CS starts up, the IP-CS that is associated as the submaster IP-CS by this command operates as a master IP-CS, the master IP-CS operates as a submaster IP-CS. Since there is always one master IP-CS and one submaster IP-CS in a wireless block area, the submaster function of IP-CS (a submaster IP-CS operates as a master IP-CS when the master IP-CS is stopped) is available, especially for the master IP-CS changing when it breaks down.</i></p> <p><i><For submaster IP-CS></i></p> <p><i>Since the master IP-CS that becomes a destination of wireless synchronization should start up when a submaster IP-CS starts up, the submaster IP-CS does not start up until the master IP-CS starts up (maximum 3 minutes).</i></p> <p><i>The master IP-CS and the submaster IP-CS associated by this command can operate as each one, especially for when the stating up from the master IP-CS is not possible on purpose because of the recovery from the network trouble or power failure etc.</i></p> <p>NOTE 2: <i>The association by this command is set as follows.</i></p> <ol style="list-style-type: none"> 1. <i>Assign the submaster IP-CS to the master IP-CS</i> <i>First data: 000-255 (CS/ZT number of master IP-CS)</i> <i>Second data: 000-255 (CS/ZT number of submaster IP-CS)</i> 2. <i>Assign the master IP-CS to the submaster IP-CS</i> <i>First data: 000-255 (CS/ZT number of submaster IP-CS)</i> <i>Second data: 000-255 (CS/ZT number of master IP-CS)</i> 				

COMMAND CODE	TITLE:
AE	CS/ZT OPERATION DATA ASSIGNMENT

FUNCTION:

This command is used to assign the CS/ZT operation data.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + AEYY + [DE] + 1ST DATA (2 digits) + [DE] + SETTING DATA (1-16 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y	1ST DATA		SETTING DATA	
	DATA	MEANING	DATA	MEANING
00	01	SYS-ID [North America/Latin America Only]	XX YYYYYY ZZZZ (HEX. 12 digits) NONE◀	XX : Tenant number YYYYYY: Site ID ZZZZ : Additional information No data
	02	CS with SYS-ID [For PHS]	000-758 NONE◀	LEN No data
	03	Nation Code assignment [Australia/North America] CSH INITIAL	001 003 004 005 006 007 008 009 255◀	Australia North America 310 North America 311 North America 312 North America 313 North America 314 North America 315 North America 316 Japan
	04	Home PBX ID for Roaming [For PCS] CSH INITIAL	X-XXXX NONE◀	Home PBX ID (1-4 digits, Decimal) No data

NOTE 1

Continued on next page

COMMAND CODE	TITLE:
AE	CS/ZT OPERATION DATA ASSIGNMENT

Y	1ST DATA		SETTING DATA	
	DATA	MEANING	DATA	MEANING
00	05	Nation Code assignment [For PHS] CSH INITIAL	Refer to Technical Information PI-287 Supplement to NEAX 2000 IPS WCS System Manual on Country Code Entry.	
		Nation Code assignment [Latin America Only] CSH INITIAL		
	09	CS number of CS with SYS-ID [Series 3200 R6.2 (R6.2)]	000-255 NONE◀	CS number of CS with SYS-ID (CSI card) set by CM10/CM14 No data

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COMMAND CODE		TITLE:			
AE		CS/ZT OPERATION DATA ASSIGNMENT			
◀: Initial Data					
Y	MEANING	1ST DATA		SETTING DATA	
		DATA	MEANING	DATA	MEANING
10	CS/ZT Operation Mode (CSH INITIAL)	00-31	Calling Area No.	02 15◀	Crowded Mode Normal Mode
11	Width of Calling Area (CSH INITIAL)	00-31	Calling Area No.	1 3◀	Wide Narrow
15	Control Carrier Information [For PCS] (CSH INITIAL)	00	Control Carrier Priority	AA BB CC DD EE AA: 1st Priority BB: 2nd Priority CC: 3rd Priority DD: 4th Priority EE : 5th Priority	Control Carrier No. 01-20 01: 1920.35 MHz 02: 1920.65 MHz 03: 1920.95 MHz 04: 1921.55 MHz 05: 1921.85 MHz 06: 1922.15 MHz 07: 1923.05 MHz 08: 1923.35 MHz 09: 1924.25 MHz 10: 1924.55 MHz 11: 1925.45 MHz 12: 1925.75 MHz 13: 1926.65 MHz 14: 1926.95 MHz 15: 1927.85 MHz 16: 1928.15 MHz 17: 1928.45 MHz 18: 1929.05 MHz 19: 1929.35 MHz 20: 1929.65 MHz No data
		01	Control Carrier Selection Pattern	NONE◀ 01 02 NONE◀	1920-1930 MHz 1920-1925 MHz No data

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COMMAND CODE		TITLE:			
AE		CS/ZT OPERATION DATA ASSIGNMENT			
◀: Initial Data					
Y	MEANING	1ST DATA		SETTING DATA	
		DATA	MEANING	DATA	MEANING
19	Handover [For PHS] (CSH INITIAL)	00	Channel slot for handover (for BS31/BS41) NOTE 5	00 NONE◀	Channel Slot No. 00 No data
		01	Delay correction when the other type of CS is used with BS31/BS41	03 NONE◀	BS31 and BS21 are used Only BS31/BS41 is used
22	Destination SYS-ID for priority synchronization NOTE 6	00-09	Wireless Block number set by CMAD Y=30	XXXXXXXXXX NONE◀	Destination SYS-ID for clock synchronization (Maximum 9digits, Decimal) No data
42	Network ID for Roaming Service [For PCS] (CSH INITIAL)	00	Network ID assignment	00000-65534 NONE◀	Network ID No data

NOTE 1: Assign the same number with the first 4 digits of the Individual PS number set by CMID Y=00.

NOTE 2: Be sure to set from the 1st digit to last digit (10 digits). Last 4 digits must be set as "0000".

NOTE 3: After changing this data, download the PS operation data by CMID Y=20.

NOTE 4: PS operation data must be downloaded every time the control carrier number is changed.

NOTE 5: Be sure to set the 2nd data to 00 for BS31/BS41 handover.

NOTE 6: This data is set when synchronizing with CS from which SYS-ID is different (CS of the other company is included).

COMMAND CODE		TITLE:			
AF		VISITOR PS DATA ASSIGNMENT			
FUNCTION:					
This command is used to assign the Visitor PS data for Roaming.					
PRECAUTION:					
(1) This data setting is valid when DBM (AP00-A/AP00-B) card is online.					
(2) This command is effective only for North America/Latin America.					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + \text{AFYYYY} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (1-4 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (1-4 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$					
DATA TABLE:					
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
000	Home PBX ID for Visitor PS [For PCS]	X-XXXX	Home PBX ID (1-4 digits, Decimal)	000-511 CCC NONE◀	Data Table No. 000-511 Data clear No data
001	Route Selection Pattern assignment for Visitor PS [For PCS]	000-511	Data Table No. assigned by CMAF Y=000	00-07 CCC NONE◀	Route Selection Pattern No. 00-07 Data clear No data
002	Trunk Restriction Class in Day, Night Mode for Visitor PS [For PCS]	000-511	Data Table No. assigned by CMAF Y=000	01 02 03 04 05 06 07 08 CCC NONE◀	Unrestricted (RCA) Nonrestricted 1 (RCB) Nonrestricted 2 (RCC) Semirestricted 1 (RCD) Semirestricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully Restricted (RCH) Data clear No data
Continued on next page					

COMMAND CODE		TITLE:			
AF		VISITOR PS DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
100 ∫ 107	Trunk Route Selection for location registration of Visitor PS [For PCS]	1 ∫ 4	First Selected Route ∫ Fourth Selected Route	00-63 CCC NONE◀	Q-931a D-Channel Trunk Route No. 00-63 Data clear No data
200	Trunk Route for originating/terminating calls from/to Visitor PS [For PCS]	1	First Selected Route	00-63 CCC NONE◀	Trunk Route No. 00-63 Data clear No data
208	Route Selection Pattern number for Trunk Restriction Class sent from Home PBX [For PCS]	00 ∫ 15	Trunk Restriction Class sent from Home PBX 01: Unrestricted (RCA) 02: Nonrestricted 1 (RCB) 03: Nonrestricted 2 (RCC) 04: Semirestricted 1 (RCD) 05: Semirestricted 2 (RCE) 06: Restricted 1 (RCF) 07: Restricted 2 (RCG) 08: Fully restricted (RCH) 09-15: Not used	0 CCC NONE◀	Route Selection Pattern 0 Data clear No data
210	Roaming Station Number [For PCS]	00	–	X ∫ XXXX XXXX	Roaming Station No. (Pilot station No. assigned by CM18 Y=1)

Continued on next page

COMMAND CODE		TITLE:			
AF		VISITOR PS DATA ASSIGNMENT			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	NEANING
998	Work Memory All Clear of DBM Card [For PCS]	1	All Clear	CCC	Data clear
999	System Data Memory All Clear of DBM Card [For PCS]	1	All Clear	CCC	Data clear

COMMAND CODE	TITLE:
B0	PEG COUNT
<p>FUNCTION:</p> <p>This command allows accumulated data of use for maintenance purposes to be read from the system PEG counter. Data can be cleared after reading.</p>	
<p>PRECAUTION:</p> <p>When the system is reset, the contents in the memories of the PEG counter are all cleared.</p>	
<p>ASSIGNMENT PROCEDURE:</p> <p>Y=0</p> <ul style="list-style-type: none"> To clear individual data $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \text{TRUNK STATUS DATA (3-5 digits)} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> To clear all PEG COUNT data $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + 999 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> To display $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \text{TRUNK STATUS DATA (3-5 digits)} + \boxed{\text{DE}}$ <p>Y=2</p> <ul style="list-style-type: none"> To set the PEG COUNT measurement start/end time $\boxed{\text{ST}} + \text{B02} + \boxed{\text{DE}} + \text{1ST DATA (0/1)} + \boxed{\text{DE}} + \text{2ND DATA (8 digits)} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> To display the PEG COUNT measurement status $\boxed{\text{ST}} + \text{B02} + \boxed{\text{DE}} + 2 + \boxed{\text{DE}}$	

COMMAND CODE	TITLE:
B0	PEG COUNT
<p>Y=4</p> <ul style="list-style-type: none"> To clear each CS/ZT PEG COUNT data $\boxed{\text{ST}} + \text{B04} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(4 digits)} \end{matrix} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> To clear all CS/ZT PEG COUNT data $\boxed{\text{ST}} + \text{B04} + \boxed{\text{DE}} + 9999 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> To display $\boxed{\text{ST}} + \text{B04} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(4 digits)} \end{matrix} + \boxed{\text{DE}}$	

COMMAND CODE		TITLE:	
B0		PEG COUNT	
DATA TABLE:			
Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	000 ? 063	Number of outgoing trunk seizure-Trunk Route 00-63	CCC
	064	Number of tandem connections established	
	065	Number of times a busy station was encountered	
	066	Number of all types of calls to Attendant Console	
	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 trunks being busy	
	077	Number of failures caused by all IP-PAD channels being busy	
	078 [Series 3500]	Number of forced release of communication between station and Trunk/Tandem connection	
	079 [Series 3600]	Number of call forwarding caused by the calling number is not informed from network	
	080 [Series 3600]	Number of rejection of the incoming call the calling is not informed from network	
	082 [Series 3700 R12.1]	Number of recording executions to the VMS by pressing the Record key for Voice Mail Live Record-CCIS	
	083 [Series 3700 R12.1]	Number of playing executions from the VMS by pressing the Play key for Voice Mail Live Record-CCIS	

Continued on next page

COMMAND CODE		TITLE:	
B0		PEG COUNT	
Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	084 [Series 3700 R12.1]	Number of Mobility Access calls terminated from mobile phones	CCC
	085 [Series 3700 R12.1]	Number of Mobility Access settings from mobile phones	
	086 [Series 3700 R12.1]	Number of forwarded calls from Mobility Access station to mobile phone	
	087 [Series 3700 R12.1]	Number of hookings in Mobility Access connection	
	088 [Series 3700 R12.2]	Number of outgoing calls of ISDN Alternative Routing in Remote PIM survival mode	
	089 [For EU] [Series 3700 R12.2]	Number of Call Completion to Busy Subscriber (CCBS) set from calling party	
	090 [For EU] [Series 3700 R12.2]	Number of Call Completion to Busy Subscriber (CCBS) set to called party	
	091 [Series 3800]	Number of terminating calls while completing the dialing after pressing ISDN trunk key	
	100 ? 163	Number of incoming call seizure-Trunk Route 00-63	
	200 ? 263	Number of times all trunks found to be busy trunk route 00-63	

Continued on next page

COMMAND CODE		TITLE:	
B0		PEG COUNT	
Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	500 ? 563	Number of incoming calls terminated to busy tone-Trunk Route 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 caused 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-Don't Answer (No Answer)	
	999	Enter to clear all PEG data	
1 [Australia Only]	000 ? 255	Line fault status on each trunk	(Display only)
	600	Line fault alarm indication	
	601	Number of times line fault by broken wire and short circuit occurred	
	604	Number of times line fault (Metering Burst)	
	605	Number of all existing line fault trunks	
	606	Number of existing line fault trunk by broken wire and short circuit	
	609	Number of existing line fault trunk (Metering burst)	
			NOTE 1
			NOTE 2

Continued on next page

COMMAND CODE		TITLE:			
B0		PEG COUNT			
					◀: Initial Data
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	To stop the PEG COUNT immediately, enter 99999999 To clear the Setting data, enter CCC		
	2	Display the PEG COUNT Status			
4 Display PEG COUNT data for CS/ZT	0XXX	Number of Call Origination XXX: CS/ZT number (000-127)	00000◀ ? 49999 CCC	PEG COUNT data	
	1XXX	Number of Call Termination XXX: CS/ZT number (000-127)		Clear each CS/ZT PEG COUNT data	
	2XXX	Number of Location Registration XXX: CS/ZT number (000-127)			
	3XXX	Number of Handover XXX: CS/ZT number (000-127)			
	4XXX	Number of out of cell (zone) XXX: CS/ZT number (000-127) [Series 3500]			
	9999	Clear all CS/ZT PEG COUNT data	CCC	Clear	
		NOTE 3			

COMMAND CODE	TITLE:
B0	PEG COUNT
<p>NOTE 1: <i>Meaning of display (TRUNK STATUS DATA)</i></p> <p>B01>XXX: Y₁ Y₂ Y₃ Y₄ Y₅ -</p> <ul style="list-style-type: none"> • XXX=Trunk No.: 000-255 • Y₁=0; No Trunk Make Busy 1; Trunk Make Busy 2; No trunk card • Y₂=0/1; Normal/Fault=Line status (Broken wire/short circuit) • Y₃=0; Not used • Y₄=0; Not used • Y₅=0/1; Normal/Fault=Line status (Metering Burst) <p>NOTE 2: <i>Meaning of display (TRUNK STATUS DATA)</i></p> <p>B01>600: Y₁ Y₂ Y₃ -</p> <ul style="list-style-type: none"> • Y₁=1; Indication of Line fault alarm on MN lamp • Y₂=1; Indication of Line fault alarm on MJ lamp • Y₃=1; Indication of Line fault alarm on Large type ATTCON MN lamp <p>NOTE 3: <i>The meaning of the data displayed is as shown below.</i></p> <p>0: Not started 1: Under measuring 2: Finished</p> <p><i>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.</i></p>	

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 MAT.					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
[ST] + B1Y + [DE] + 1ST DATA + [DE] + 2ND DATA + [EXE]					
DATA TABLE:					
					◀: Initial Data
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	NEANING
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 [Series 3900] Traffic measurement per day continuously [Series 3900]
		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.			

Continued on next page

COMMAND CODE		TITLE:			
B1		TRAFFIC MEASUREMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	NEANING
0	Setting of traffic measurement condition	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
		2	Setting End Time for Traffic Measurement	MMDDHHmm NONE◀	MM: Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minute (00-59) No data
		3	Display data for Traf- fic Measurement	0◀ 1 2	Before the traffic measurement During the traffic measurement Completed the traffic measurement

Continued on next page

COMMAND CODE		TITLE:				
B1		TRAFFIC MEASUREMENT				
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA No.	TRAFFIC DATA	MEANING
1	Display incoming trunk traffic data	000 ∟ 511	Trunk No. 000 ∟ Trunk No. 127	1 ∟ 7	XXXX (4 digits)	Incoming trunk traffic data X.XXX erl (Ex.) 0125 → 0.125 erl
<p>NOTE: The trunk number set by the first data is as follows. 000-127 [Series 3800 software or before] 000-511 (000-127 is displayed as traffic collection Add-In of the MAT.) [Series 3900 software or later]</p>						
2	Display outgoing trunk traffic data	000 ∟ 511	Trunk No. 000 ∟ Trunk No. 127	1 ∟ 7	XXXX (4 digits)	Outgoing trunk traffic data X.XXX erl (Ex.) 0125 → 0.125 erl
<p>NOTE: The trunk number set by the first data is as follows. 000-127 [Series 3800 software or before] 000-511 (000-127 is displayed as traffic collection Add-In of the MAT.) [Series 3900 software or later]</p>						
3	Display incoming trunk route traffic data	00 ∟ 63	Trunk Route No. 00 ∟ Trunk Route No. 63	1 ∟ 7	XXXXXX (6 digits)	Incoming trunk route traffic data XXX.XXX erl (Ex.) 001345 → 1.345 erl
4	Display outgoing trunk route traffic data	00 ∟ 63	Trunk Route No. 00 ∟ Trunk Route No. 63	1 ∟ 7	XXXXXX (6 digits)	Outgoing trunk route traffic data XXX.XXX erl (Ex.) 001345 → 1.345 erl

Continued on next page

COMMAND CODE	TITLE:
B1	TRAFFIC MEASUREMENT

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
8	Setting of traffic measurement for CS/ZT	0	Traffic Measurement Mode of CS/ZT	0◀ 1	No Measurement Hourly Measurement
		1	Setting Start Time for Traffic Measurement of CS/ZT	MMDDHH NONE◀	MM: Month (01-12) DD : Day (01-31) HH : Hour (00-23) No data
		2	Display data for Traffic Measurement of CS/ZT	0◀ 1 2	Before the traffic measurement During the traffic measurement Completed the traffic measurement



Continued on next page

COMMAND CODE		TITLE:				
B1		TRAFFIC MEASUREMENT				
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA No.	TRAFFIC DATA	MEANING
9	Display traffic data of CS/ZT	000 ∟ 127	CS/ZT No. 000-127	00 ∟ 24	XXXX (4 digits)	Traffic data X.XXX erl (Ex.) 1223 → 1.223 erl NOTE 1
<p>NOTE 1: Meaning of the 2nd data is as follows. 00: 1223 → Present time hourly measurement=1.233 erl 01: 1223 → Hourly measurement of 1st an hour=1.233 erl</p> <p>NOTE 2: Pressing DE key after the 2nd data is set to 24, "DATA ERROR" is displayed.</p> <p>NOTE 3: When the 2nd data is entered during the data is being measured, "****" is displayed.</p>						
A	Display percentage of CS/ZT B channel all busy	000 ∟ 127	CS/ZT No. 000-127	00 ∟ 24	XXX (3 digits)	Percentage of B channel all busy data X.XX % (Ex.) 012 → 12 % NOTE 1
<p>NOTE 1: Meaning of the 2nd data is as follows. 00: 012 → Present time hourly measurement=12 % 01: 012 → Hourly measurement of 1st an hour=12 %</p> <p>NOTE 2: Pressing DE key after the 2nd data is set to 24, "DATA ERROR" is displayed.</p> <p>NOTE 3: When the 2nd data is entered during the data is being measured, "****" is displayed.</p>						

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:	
None	
ASSIGNMENT PROCEDURE:	
<ul style="list-style-type: none"> To display 	
$\boxed{\text{ST}} + \text{B3Y} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1-8 \text{ digits}) \end{matrix} + \boxed{\text{DE}}$	
<ul style="list-style-type: none"> To clear individual data 	
$\boxed{\text{ST}} + \text{B3Y} + \boxed{\text{DE}} + \begin{matrix} \text{TRUNK STATUS} \\ \text{DATA} \end{matrix} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$	
<ul style="list-style-type: none"> To clear all UCD PEG COUNT data 	
$\boxed{\text{ST}} + \text{B39} + \boxed{\text{DE}} + 999 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
B3	UCD PEG COUNT

DATA TABLE:

Y		SETTING DATA	
TRUNK STATUS DATA	MEANING	DATA	MEANING
0	Number of answered calls on UCD station	X ? XXXXXXXXX	UCD Station Number  See CM17 Y=0
1	Number of incoming calls to UCD Group	00 ? 15	UCD Group 00 ? UCD Group 15  See CM17 Y=2
2	Number of call waiting calls for predetermined time in queuing mode on UCD Group NOTE		
3	Number of abandoned calls to UCD Group		
4	Number of incoming calls to all busy of UCD Group		
5	Number of incoming calls to UCD Group that were answered		
6	Number of times of queuing assigned by CM42>16 was reached		
9	Clear all UCD PEG COUNT data	999	

NOTE: *The predetermined time is specified by CM41 Y=0>16.*

COMMAND CODE	TITLE:
B4	PEG COUNT OF IP NETWORK
<p>FUNCTION:</p> <p>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.</p> <p>[Series 3100]</p>	
<p>PRECAUTION:</p> <p>NONE</p>	
<p>ASSIGNMENT PROCEDURE:</p> <ul style="list-style-type: none"> • To display $\boxed{\text{ST}} + \text{B4YY} + \boxed{\text{DE}} + \begin{array}{c} \text{LOCATION NUMBER (00-63)} \\ + \\ \text{LOCATION NUMBER (00-63)} \end{array} + \boxed{\text{DE}}$ <ul style="list-style-type: none"> • To clear individual data $\boxed{\text{ST}} + \text{B4YY} + \boxed{\text{DE}} + \begin{array}{c} \text{LOCATION NUMBER (00-63)} \\ + \\ \text{LOCATION NUMBER (00-63)} \end{array} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <ul style="list-style-type: none"> • To clear all data $\boxed{\text{ST}} + \text{B4YY} + \boxed{\text{DE}} + 9999 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$	

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 9999	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			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 0-49999 can be stored to the system. When the number exceeds 49999, the system starts counting from 0.

NOTE 2: The bandwidth of 0-1677721 Kbps can be displayed on MAT/CAT. Even if the bandwidth exceeds 1677721, the MAT/CAT displays the bandwidth 1677721 Kbps.

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

FUNCTION:

This command is used to assign the various profile data for H.323 IP Trunk/SIP Trunk.

PRECAUTION:

- (1) Profile No. for control packet is assigned by CMA7 Y=71.
- (2) Profile No. for voice packet is assigned by CMBB Y=03.

ASSIGNMENT PROCEDURE:

[ST] + BAYY + **[DE]** + ^{1ST DATA}
(Profile No. 00-31) + **[DE]** + ^{2ND DATA}
(1-24 digits) + **[EXE]**

DATA TABLE:

Y=04-49

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
04	TOS field Precedence for H.323 IP trunk/SIP trunk control packet TOS: Type of Service (IPT INITIAL) (SIP INITIAL)	00 ? 31	Profile number for control packet	00 ? 07 15◀	PRECEDENCE0 ? PRECEDENCE7 PRECEDENCE0	CM35 Y=134 CMA7 Y=71 CMBA Y=10
10	DS code point (Diff-Serv Code Point) for H.323 IP trunk/SIP trunk control packet (IPT INITIAL) (SIP INITIAL)	00 ? 31	Profile number for control packet	00 ? 3F NONE◀	DS code point 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: When this data is set, the TOS field Precedence set by CMBA Y=04 is ineffective.

If you want to validate the Precedence set by CMBA Y=04, set "CCC" (data clear) for CMBA Y=10.

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
Y		1ST DATA		SND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
12	Maximum threshold of packet discard probability for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 100 NONE◀	1 % ∟ (1 % increments) 100 % 10 %	CMBB Y=03
13	Maximum value of jitter buffer for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 060 NONE◀	1 ms. ∟ (10 ms. increments) 600 ms. 300 ms.	CMBB Y=03
	Maximum value of jitter buffer for SIP trunk [Series 3600] (SIP INITIAL)	00 ∟ 31	Profile number for control packet	001 ∟ 030 NONE◀	10 ms. ∟ (10 ms. increments) 300 ms. 300 ms.	CMA7 Y=71
NOTE: Assign the value which exceeds the minimum value for jitter buffer set by CMBA Y=14.						
14	Minimum value of jitter buffer for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 060 NONE◀	10 ms. ∟ (10 ms. increments) 600 ms. 40 ms.	CMBB Y=03
	Minimum value of jitter buffer for SIP trunk [Series 3600] (SIP INITIAL)	00 ∟ 31	Profile number for control packet	001 ∟ 030 NONE◀	10 ms. ∟ (10 ms. increments) 300 ms. 40 ms.	CMA7 Y=71
NOTE 1: This data is used for the default delay for voice packet.						
NOTE 2: Assign the value which does not exceed the maximum value for jitter buffer set by CMBA Y=13.						

Continued on next page

COMMAND CODE	TITLE: H.323/SIP PROFILE DATA
BA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
15	Jitter adjustment interval for H.323 IP trunk (statistics count for jitter buffer) (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 255 NONE◀	1 time ∟ (1 time increments) 255 times 5 times	CMBA Y=16 CMBB Y=03
NOTE: Jitter buffer is decreased by the interval of [jitter statistics interval (second) × jitter adjustment interval (time)].						
16	Jitter statistics interval for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 255 NONE◀	1 second ∟ (1 second increments) 255 seconds 1 second	CMBA Y=15 CMBB Y=03
NOTE: Jitter buffer is increased by the interval set by this data.						
17	Time adjustment interval for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 255 NONE◀	1 second ∟ (1 second increments) 255 seconds 10 seconds	CMBB Y=03
18	Maximum threshold value of early arrival packet used for jitter buffer adjustment for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 100 NONE◀	1 % ∟ (1 % increments) 100 % 8 %	CMBB Y=03
NOTE: Jitter buffer is decreased only when the jitter buffer has not been increased and the IP trunk receives the number of packets which exceeds the value set by CMBA Y=18.						

Continued on next page

COMMAND CODE		TITLE:																																															
BA		H.323/SIP PROFILE DATA																																															
◀: Initial Data																																																	
Y		1ST DATA		2ND DATA		RELATED COMMAND																																											
No.	MEANING	DATA	MEANING	DATA	MEANING																																												
19	Maximum threshold value of early arrival packet used for mean-time adjustment for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	001 ∟ 100 NONE◀	1 % ∟ (1 % increments) 100 % 80 %	CMBA Y=17 CMBB Y=03																																											
<p>NOTE: The meantime is decreased only when the number of early arrival packets exceeds the value set by CMBA Y=19 during the interval set by CMBA Y=17.</p>																																																	
21	Voice encoding selection precedence for H.323 IP trunk (IPT INITIAL)	00 ∟ 31	Profile number for voice packet	1 2 3 4 5 6 7◀	Standard Mode 1 Standard Mode 2 Tone Quality Mode 2 Band Mode 2 Tone Quality Mode 1 Band Mode 1 Standard Mode 1 ◻ See the table below.	CMBA Y=22 CMBB Y=03																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DATA</th> <th rowspan="2">MODE</th> <th colspan="3">HIGH ← SELECTION PRECEDENCE → LOW</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Standard Mode 1</td> <td>G.729a</td> <td>G.723.1</td> <td>G.711</td> </tr> <tr> <td>2</td> <td>Standard Mode 2</td> <td>G.729a</td> <td>G.711</td> <td>G.723.1</td> </tr> <tr> <td>3</td> <td>Tone Quality Mode 2</td> <td>G.711</td> <td>G.723.1</td> <td>G.729a</td> </tr> <tr> <td>4</td> <td>Band Mode 2</td> <td>G.723.1</td> <td>G.711</td> <td>G.729a</td> </tr> <tr> <td>5</td> <td>Tone Quality Mode 1</td> <td>G.711</td> <td>G.729a</td> <td>G.723.1</td> </tr> <tr> <td>6</td> <td>Band Mode 1</td> <td>G.723.1</td> <td>G.729a</td> <td>G.711</td> </tr> <tr> <td>7◀</td> <td>Standard Mode 1</td> <td>G.729a</td> <td>G.723.1</td> <td>G.711</td> </tr> </tbody> </table>							DATA	MODE	HIGH ← SELECTION PRECEDENCE → LOW			1	2	3	1	Standard Mode 1	G.729a	G.723.1	G.711	2	Standard Mode 2	G.729a	G.711	G.723.1	3	Tone Quality Mode 2	G.711	G.723.1	G.729a	4	Band Mode 2	G.723.1	G.711	G.729a	5	Tone Quality Mode 1	G.711	G.729a	G.723.1	6	Band Mode 1	G.723.1	G.729a	G.711	7◀	Standard Mode 1	G.729a	G.723.1	G.711
DATA	MODE	HIGH ← SELECTION PRECEDENCE → LOW																																															
		1	2	3																																													
1	Standard Mode 1	G.729a	G.723.1	G.711																																													
2	Standard Mode 2	G.729a	G.711	G.723.1																																													
3	Tone Quality Mode 2	G.711	G.723.1	G.729a																																													
4	Band Mode 2	G.723.1	G.711	G.729a																																													
5	Tone Quality Mode 1	G.711	G.729a	G.723.1																																													
6	Band Mode 1	G.723.1	G.729a	G.711																																													
7◀	Standard Mode 1	G.729a	G.723.1	G.711																																													
<p>NOTE: When the voice encoding selection setting differs from that for the opposite IP trunk, the setting on the IP trunk which first makes the request of TCP connection takes priority over the other IP trunk. So, the voice encoding selection precedence may cause a difference in the user's usual IP trunk setting according to the circumstances when the TCP connection is made.</p>																																																	
Continued on next page																																																	

COMMAND CODE		TITLE:																																																				
BA		H.323/SIP PROFILE DATA																																																				
◀: Initial Data																																																						
Y		1ST DATA		2ND DATA		RELATED COMMAND																																																
No.	MEANING	DATA	MEANING	DATA	MEANING																																																	
21	Voice encoding selection precedence for SIP trunk [Series 3600] SIP INITIAL	00 ? 31	Profile number for control packet	0 1 2 3 4 5 6 7◀	Programmable List Standard Mode 1 Standard Mode 2 Tone Quality Mode 2 Band Mode 2 Tone Quality Mode 1 Band Mode 1 Standard Mode 1 ◻ See the table below.	CMA7 Y=71 CMBA Y=22																																																
<table border="1"> <thead> <tr> <th rowspan="2">DATA</th> <th rowspan="2">MODE</th> <th colspan="3">HIGH ← SELECTION PRECEDENCE → LOW</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Programmable List</td> <td>As per CMBA Y=121</td> <td>As per CMBA Y=122</td> <td>As per CMBA Y=123</td> </tr> <tr> <td>1</td> <td>Standard Mode 1</td> <td colspan="3">G.711 μ-law (20 ms. fixed)</td> </tr> <tr> <td>2</td> <td>Standard Mode 2</td> <td>G.711 μ-law</td> <td>G.711 A-law</td> <td></td> </tr> <tr> <td>3</td> <td>Tone Quality Mode 2</td> <td>G.711 μ-law</td> <td>G.711 A-law</td> <td>G.729a</td> </tr> <tr> <td>4</td> <td>Band Mode 2</td> <td>G.729a</td> <td>G.711 μ-law</td> <td>G.711 A-law</td> </tr> <tr> <td>5</td> <td>Tone Quality Mode 1</td> <td>G.711 μ-law</td> <td>G.729a</td> <td></td> </tr> <tr> <td>6</td> <td>Band Mode 1</td> <td>G.729a</td> <td>G.711 μ-law</td> <td></td> </tr> <tr> <td>7◀</td> <td>Standard Mode 1</td> <td colspan="3">G.711 μ-law</td> </tr> </tbody> </table> <p>NOTE 1: 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.</p> <p>NOTE 2: The payload size 20 ms. is fixed when standard mode 1 is set. The payload size set by CMBA Y=22 is not available.</p> <p>NOTE 3: The system works with standard mode 1 when the Programmable list is set and available data is not set by CMBA Y=121, 122, 123.</p>							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 1	G.711 μ-law (20 ms. fixed)			2	Standard Mode 2	G.711 μ-law	G.711 A-law		3	Tone Quality Mode 2	G.711 μ-law	G.711 A-law	G.729a	4	Band Mode 2	G.729a	G.711 μ-law	G.711 A-law	5	Tone Quality Mode 1	G.711 μ-law	G.729a		6	Band Mode 1	G.729a	G.711 μ-law		7◀	Standard Mode 1	G.711 μ-law		
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																																																		
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2	Standard Mode 2	G.711 μ-law	G.711 A-law																																																			
3	Tone Quality Mode 2	G.711 μ-law	G.711 A-law	G.729a																																																		
4	Band Mode 2	G.729a	G.711 μ-law	G.711 A-law																																																		
5	Tone Quality Mode 1	G.711 μ-law	G.729a																																																			
6	Band Mode 1	G.729a	G.711 μ-law																																																			
7◀	Standard Mode 1	G.711 μ-law																																																				
Continued on next page																																																						

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
22	Payload size for H.323 IP trunk/SIP trunk (IPT INITIAL)	00	Profile number for control packet	1	20 ms.	CMA7 Y=71 CMBB Y=03 CMBA Y=21
		?		2	30 ms.	
		31		3◀	40 ms.	

NOTE 1: Set the payload size according to the maximum voice channels per IPT/SIP card as follows.

H.323 IP Trunk

PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IPT		
	G.729a	G.711	G.723.1
20 ms.	6	5	–
30 ms.	8	7	8
40 ms.	12	10	–

Continued on next page

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

No.	Y	1ST DATA		2ND DATA		RELATED COMMAND
	MEANING	DATA	MEANING	DATA	MEANING	

22 SIP Trunk
When PN-8IPTA card is used.

PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IPT
	G.711
20 ms.	8
30 ms.	8
40 ms.	8

When PN-8IPTA and PZ-24IPLA cards are used.

PAYLOAD SIZE	MAXIMUM VOICE CHANNELS PER IPT
	G.711
20 ms.	32
30 ms.	32
40 ms.	32

NOTE 2: When G.723.1 is applied for voice encoding, 30 ms. is set regardless of this data setting for H.323 IP trunk.

NOTE 3: When second data is set to "1" or "7" by CMBA Y=21, 20 ms. is set regardless of this data setting for SIP trunk.

[Series 3600]

NOTE 4: When the payload size setting differs from that for the opposite IP/SIP trunk, the shorter size than the other is adopted.

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
25	Query a DNS server to get the IP Address [Series 3600]	00 ? 31	Profile number for control packet	0 1◀	Provide Not provided	CMA7 Y=71 CMBA Y=30
<p>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.</p> <p>NOTE 2: The second data should be set to "1" for IP trunk Point-to-Multipoint connection when the second data of CMA7 Y=46 is set to 0.</p>						
29	Session Timer refresher kind [Series 3600]	00 ? 31	Profile number for control packet	0 1◀	uas uac	CMA7 Y=71 CMBA Y=56, 83, 88
30	Gate Keeper/SIP server IP Address (IPT INITIAL)			aaabbb cccd NONE◀	Gate Keeper/SIP server IP Address aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 000-255 No data	CM0A Y=79 CMA7 Y=71
<p>NOTE 1: The second data follows the IP Address pattern assigned by CM8A Y=5XXX>167 for IP trunk Point-to-Multipoint connection when the second data of CMA7 Y=46 is set to 0.</p> <p>NOTE 2: When SIP Trunk Source IP Address Check is provided by CM0A Y=79: 0, SIP initial is required after setting this command.</p>						
31	Gate Keeper/SIP server Port number (IPT INITIAL) (SIP INITIAL)	00 ? 31	Profile number for control packet	00000 ? 65534 NONE◀	Gate Keeper/SIP server Port number No data	CMA7 Y=71
<p>NOTE: The port number of SIP server is 05060 in general.</p>						

Continued on next page

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
32	E.164 Address assignment (IPT INITIAL)	00 ? 31	Profile number for control packet	X ? X...X NONE◀	E.164 Address (Maximum 24 digits) X: 0-9, A (*), B (#) No data	CMA7 Y=71 CMBA Y=44
<p>NOTE 1: CMBA Y=32 must be set when the Gatekeeper requires E.164 Address as the ID Address of the Gateway/when the calling number is noticed by using SIP.</p> <p>NOTE 2: To send a calling number on SIP communication, CMBA Y=32 must be set when CMBA Y=44 is set to 00/01, CMBA Y=5XXX 1st data=176 is set to 00/01/02/08.</p>						
34	RTP Base Port number (IPT INITIAL)	00 ? 31	Profile number for control packet Profile number for voice packet	20000 ? 65000 NONE◀	RTP Base Port number 56000	CMA7 Y=71 CMBB Y=03
36	H.323 call control procedure (IPT INITIAL)		Profile number for control packet	0 1◀	Fast Connect Normal Connect	CMA7 Y=71
37	Timing to send voice packet for H.323 Fast Connect (IPT INITIAL)			0 1◀	When the destination answers When the destination is ringing	CMA7 Y=71 CMBA Y=36
38	Timing to provide H.245 link (IPT INITIAL)			0 1◀	When the destination answers When the destination is ringing	CMA7 Y=71 CMBA Y=36
39	Call release when voice channel open is failed (IPT INITIAL)			0 1◀	Keep the call Release the call	CMA7 Y=71

Continued on next page

COMMAND CODE	TITLE: H.323/SIP PROFILE DATA
BA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
41	Q.931 signaling bearer information sending value IPT INITIAL	00 ? 31	Profile number for control packet	0	Speech →Unrestricted digital information 3.1 kHz audio →Unrestricted digital information	CMA7 Y=71
				1	Speech →Unrestricted digital information	
				2	3.1 kHz audio →Unrestricted digital information	
				3◀	Own office setting transparent (standard)	
42	Q.931 signaling bearer information receiving value IPT INITIAL			0	Not used	CMA7 Y=71
				1	Unrestricted digital information →3.1 kHz audio	
				2	Unrestricted digital information →Speech	
				3◀	Opposite office setting transparent (standard)	

Continued on next page



COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
44	E.164 Address (Change the calling number to E.164 Address)	00	Profile number for control packet	00	Provide E.164 Address	CM12 Y=12, 46 CMA7 Y=71 CMBA Y=32
		31		01	Provide E.164 Address when the calling number is not set/Not provide E.164 Address when the calling number is sent	
				02	When the calling number is sent from the trunk, the number is used as the calling number [Series 3600]	
				03	No calling number/ When the calling number is sent from the trunk, the number is used as the calling number [Series 3600]	
				15◀	E.164 Address is not provided	

NOTE: CMBA Y=44 must be set when the Gatekeeper requires E.164 Address as the ID Address of the Gateway. If not, set this data to "15".

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
45	H.323 ID assignment with character (IPT INITIAL)	00 ? 31	Profile number for control packet	X	Character (Maximum 24 characters)	CMA7 Y=71
	Confirmation of SIP AoR user name with character code [Series 3600]			X...X NONE◀	X: A-Z, 0-9 No data	
				XXX...X NONE◀	SIP AoR user name (Maximum 32 digits: 16 characters) No data	
NOTE: You can confirm the SIP AoR user name set by CMBA Y=46/47/54 with this command.						
46	H.323 ID assignment with character code 1 (IPT INITIAL)	00 ? 31	Profile number for control packet	XXX...X	Character Code (24 digits, 12 characters fixed)  See Character Code Table in CM77 .	CM77 Y=0 CMA7 Y=71 CMBA Y=47
	Setting of SIP AoR user name with character code (First 12 characters) [Series 3600]			NONE◀	No data	
				XXX...X NONE◀	SIP AoR user name (24 digits, 12 characters fixed)  See Character Code Table in CM77 .	CMA7 Y=71 CMBA Y=47 CMBA Y=54
				NONE◀	No data	

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COMMAND CODE	TITLE: H.323/SIP PROFILE DATA
BA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
47	H.323 ID assignment with character code 2 (IPT INITIAL)	00 ? 31	Profile number for control packet	XXX...X	Character Code (24 digits, 12 characters fixed) See Character Code Table in CM77.	CM77 Y=0 CMA7 Y=71 CMBA Y=46
	Setting of SIP AoR user name with character code (Middle 12 characters) [Series 3600]			NONE◀	No data	
48	Gateway Prefix assignment with character (IPT INITIAL)			XXX...X	SIP AoR user name (24 digits, 12 characters fixed) See Character Code Table in CM77.	CMA7 Y=71 CMBA Y=46 CMBA Y=54
				NONE◀	No data	
49	Gateway Prefix assignment with character code 1 (IPT INITIAL)			X ? X...X NONE◀	Character (Maximum 24 characters) X: A-Z, 0-9 No data	CMA7 Y=71
				XXX...X NONE◀	Character Code (24 digits, 12 characters fixed) See Character Code Table in CM77. No data	

Continued on next page

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

Y=50-99

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING	DATA	MEANING		
50	Gateway Prefix assignment with character code 2 (IPT INITIAL)	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Character Code (24 digits, 12 characters fixed) ▶ See Character Code Table in CM77. No data	CM77 Y=0 CMA7 Y=71 CMBA Y=49	
51	H.245 message transmission method (IPT INITIAL)			00 NONE◀	Tunneling (Coding to Q.931 Facility message) TCP connection for H.245		CMA7 Y=71
52	DTMF out-band mode for SIP trunk [Series 3700 R12.2]			03 NONE◀	Out-band mode (with RFC2833) In-band mode (Voice pass through)			CMA7 Y=71
54	Setting of SIP AoR user name with character code (Last 8 characters) [Series 3600]			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=46, 47


Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
55	Setting of SIP trunk identity header [Series 3600]	00 ∟ 31	Profile number for control packet	0	SIP-URL + tel-URL	CMA7 Y=71
				1	SIP-URL	
				2	tel-URL	
				3	SIP-URL + tel-URL only when the calling number is not informed	
				4	SIP-URL only when the calling number is not informed	
				5	tel-URL only when the calling number is not informed	
				7◀	No identity header	
56	Session Timer method [Series 3600]			0	UPDATE	CMA7 Y=71 CMBA Y=29, 83, 88
				1	INVITE	
				3◀	Auto	
NOTE: When the second data is set to 3, the session timer method is decided by the receiving message from the communicated terminal.						
70	Setting of SIP trunk registration method to the SIP server [Series 3600]	00 ∟ 31	Profile number for control packet	0	To register the time set by CMBA Y=71	CMA7 Y=71 CMBA Y=71
				1	To register no limitation for the time	
				3◀	Not registered	
NOTE 1: 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 2: When setting the second data to 1, SIP trunk is re-registered to SIP server for half the period of the specified time when registration time is specified from SIP server.						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
71	Setting of SIP trunk registration expiry time to the SIP server [Series 3600]	00 ? 31	Profile number for control packet	1 ? 4294967294 NONE◀	1 second ? 4294967294 seconds 3600 seconds (1hour)	CMA7 Y=71 CMBA Y=70
<p>NOTE 1: This data setting is effective only when CMA7 Y=70 is set to 0.</p> <p>NOTE 2: Set the time to cancel the registration after registering SIP trunk with this command to SIP server.</p> <p>NOTE 3: 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).</p> <p>NOTE 4: 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 cards is restricted.</p>						
72	Setting of Authentication user name when registering to/receiving from the SIP server with character code [Series 3600]	00 ? 31	Profile number for control packet	XXX...X NONE◀	User name (Maximum 32 digits) No data	CMA7 Y=71 CMBA Y=73
<p>NOTE 1: The following characters can be registered; Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # \$ % & ' () + , ; < = > ? @ [] ^ _ ' { } ~)</p> <p>NOTE 2: The following characters cannot be registered; Space, hyphen (-), period (.), slash (/), colon (:), CCC</p>						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
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) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the user name set by this command with CMBA Y=72.</p>						
74	Setting of Authentication password when registering to/sending from the SIP server with character code [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Password (Maximum 12 digits) No data	CMA7 Y=71 CMBA Y=75
<p>NOTE 1: The following characters can be registered; Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # \$ % & ' () + , ; < = > ? @ [] ^ _ ' { } ~)</p> <p>NOTE 2: The following characters cannot be registered; Space, hyphen (-), period (.), slash (/), colon (:), CCC</p>						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
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) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the password set by this command with CMBA Y=74.</p>						
76	Confirmation of SIP trunk domain name for SIP-URI with character code [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (Maximum 32 digits) No data	CMA7 Y=71 CMBA Y=77-79
<p>NOTE: You can confirm the domain names set by CMBA Y=77-79 with this command.</p>						
77	Setting of SIP trunk domain name for SIP-URI with character code (First 12 characters) [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (24 digits, 12 characters fixed) See Character Code Table in CM77 . No data	CMA7 Y=71 CMBA Y=76, 78, 79
<p>NOTE 1: Concatenated characters assigned by CMA7 Y=77, 78, and 79 are used as domain name.</p> <p>NOTE 2: When setting a character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=76.</p>						

Continued on next page

COMMAND CODE	TITLE: H.323/SIP PROFILE DATA
BA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
78	Setting of SIP trunk domain name for SIP-URI with character code (Middle 12 characters) [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (24 digits, 12 characters fixed) See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=76, 77, 79
<p>NOTE 1: Concatenated characters assigned by CMA7 Y=77, 78, and 79 are used as domain name.</p> <p>NOTE 2: When setting a character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=76.</p>						
79	Setting of SIP trunk domain name for SIP-URI with character code (Last 8 characters) [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (16 digits, 8 characters fixed) See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=76-78
<p>NOTE 1: Concatenated characters assigned by CMA7 Y=77, 78, and 79 are used as domain name.</p> <p>NOTE 2: When setting a character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=76.</p>						
83	Session Timer providing [Series 3600]	00 ∟ 31	Profile number for control packet	0 1◀	Not provided To provide	CMA7 Y=71 CMBA Y=29, 56, 88

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COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
86	Identity header of SIP Trunk [Series 3600]	00 ∟ 31	Profile number for control packet	0 1◀	P-Asserted-Identity P-Preferred-Identity	CMA7 Y=71
88	Session Timer setting [Series 3600]			1 ∟ 4294967294 NONE◀	1 second ∟ 4294967294 seconds 1800 seconds	CMA7 Y=71 CMBA Y=29, 56, 83
90	Timer of response waiting for calling (INVITE transaction time-out timer) [Series 3600]			00 01 ∟ 30 31◀	No Time-out 1 second ∟ 60 seconds (2 seconds increments) 32 seconds	CMA7 Y=71
<p>NOTE 1: Set the timer until the response is received from the communicated terminal/office for a calling. If the time-out occurs, the system regards it as the network fault occurrence, and executes the alternative routing by fault occurrence (only when the alternative routing feature is provided to the system).</p> <p>NOTE 2: Do not set the second data to 30 (60 seconds), when the system provides the alternative routing feature.</p> <p>NOTE 3: Set the second data to the value that does not exceed the value of ORT timer assigned by CM41 Y=0>104, when providing the tandem route with the alternative routing feature.</p>						
91	Provisional response code when the system receives the incoming call, and starts to call the stations [Series 3600]	00 ∟ 31	Profile number for control packet	0 1 7◀	183 Session Progress (with SDP) 180 Ringing (without SDP) 180 Ringing (with SDP)	CMA7 Y=71

Continued on next page

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA


◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
92	Setting of the display name/user name for From Header [Series 3600]	00 ? 31	Profile number for control packet	0 2 3◀	Display name: SIP AoR User Description following CMBA Y=45 User name: SIP AoR User Description following CMBA Y=45 Display name: Caller ID following CMBA Y=44 User name: SIP AoR User Description following CMBA Y=45 Display name: Caller ID following CMBA Y=44 User name: Caller ID following CMBA Y=44	CMA7 Y=71 CMBA Y=44-47, 54

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COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
93	Confirmation of the Fully Qualified Domain Name (FQDN) for SIP server with character code [Series 3600]	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (Maximum 32 digits) No data	CMA7 Y=71 CMBA Y=94-96, 99
<p>NOTE 1: You can confirm the domain name set by CMBA Y=94-96 with this command.</p> <p>NOTE 2: When the setting of this command is changed, SIP card should be initialized or the DNS cache table should be cleared by CMBA Y=99.</p>						
94	Setting of the Fully Qualified Domain Name (FQDN) for SIP server with character code (First 12 characters) [Series 3600] SIP INITIAL	00 ∟ 31	Profile number for control packet	XXX...X NONE◀	Domain name (24 digits, 12 characters fixed)  See Character Code Table in CM77 . No data	CMA7 Y=71 CMBA Y=93, 95, 96, 99
<p>NOTE 1: Concatenated characters assigned by CMBA Y=94, 95, and 96 are used as domain name.</p> <p>NOTE 2: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=93.</p> <p>NOTE 4: When the setting of this command is changed, SIP card should be initialized or the DNS cache table should be cleared by CMBA Y=99.</p>						

Continued on next page

COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
95	Setting of the Fully Qualified Domain Name (FQDN) for SIP server with character code (Middle 12 characters) [Series 3600] SIP INITIAL	00 ? 31	Profile number for control packet	XXX...X NONE◀	Domain name (24 digits, 12 characters fixed) See Character Code Table in CM77 . No data	CMA7 Y=71 CMBA Y=93, 94, 96, 99
<p>NOTE 1: Concatenated characters assigned by CMBA Y=94, 95, and 96 are used as domain name.</p> <p>NOTE 2: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=93.</p> <p>NOTE 4: When the setting of this command is changed, SIP card should be initialized or the DNS cache table should be cleared by CMBA Y=99.</p>						
96	Setting of the Fully Qualified Domain Name (FQDN) for SIP server with character code (Last 8 characters) [Series 3600] SIP INITIAL	00 ? 31	Profile number for control packet	XXX...X NONE◀	Domain name (16 digits, 8 characters fixed) See Character Code Table in CM77 . No data	CMA7 Y=71 CMBA Y=93-95, 99
<p>NOTE 1: Concatenated characters assigned by CMBA Y=94, 95, and 96 are used as domain name.</p> <p>NOTE 2: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 3: You can confirm the domain name set by this command with CMBA Y=93.</p> <p>NOTE 4: When the setting of this command is changed, SIP card should be initialized or the DNS cache table should be cleared by CMBA Y=99.</p>						

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COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

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 [Series 3600]	00 ? 31	Profile number for control packet	0 1 7◀	480 Temporarily Unavailable 486 Busy Here 503 Service Unavailable	CMA7 Y=71
98	Setting of the SIP interface number to query the DNS server [Series 3600] SIP INITIAL			01 ? 31 NONE◀	LAN interface No. 00 ? LAN interface No. 31 No data	CMA7 Y=71 CM0A Y=60-62 CMBA Y=93-96, 99
<p>NOTE 1: Set SIP interface to query the domain name of SIP server assigned by CM0A Y=93-96.</p> <p>NOTE 2: For the LAN interface number set by the second data, the IP Address of DNS server for CM0A Y=60-62 should be set.</p> <p>NOTE 3: When the setting of this command is changed, SIP card should be initialized or the DNS cache table should be cleared by CMBA Y=99.</p>						
99	Clearing the cache table [Series 3600]	00 ? 31	Profile number for control packet	CCC	DNS cache table clearance	CMA7 Y=71
<p>NOTE: The IP Addresses which were cached for the second data are displayed when the IP Addresses were cached on DNS cache table.</p>						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
Y=100-137						
						◀: Initial Data
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) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the user name set by this command with CMBA Y=72.</p>						
101	Setting of Authentication user name when registering to/sending from the SIP server with character code (Last 8 characters) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the user name set by this command with CMBA Y=72.</p>						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
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) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the password set by this command with CMBA Y=74.</p>						
103	Setting of Authentication password when registering to/sending from the SIP server with character code (Last 12 characters) [Series 3600]	00 ∟ 31	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
<p>NOTE 1: When the character code to be set is less than the number of digits necessary, add the character code FF.</p> <p>NOTE 2: You can confirm the password set by this command with CMBA Y=74.</p>						
105	Request provisional responses with reliability (100rel) when sending from SIP trunk [Series 3600]	00 ∟ 31	Profile number for control packet	0 1 3◀	Available (Supported header and Require header) Available (Supported header) Not available	CMA7 Y=71

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COMMAND CODE	TITLE:
BA	H.323/SIP PROFILE DATA

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
108	Perform registration periodically when also receiving “subscriber error” or “authentication error” during the registration [Series 3600]	00 ? 31	Profile number for control packet	0 1◀	To provide Not provided	CMA7 Y=71
110	Send a signal to require a deletion during an initial setting registration [Series 3600]			0 1◀	To provide Not provided	CMA7 Y=71
111	Whether providing an alternative routing when receiving the 486 Busy Here response [Series 3600]			0 1◀	Not provided To provide	CMA7 Y=71

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
114	Send provisional responses with reliability (100rel) when receiving [Series 3600]	00 ? 31	Profile number for control packet	0 1◀	To send Not sent	CMA7 Y=71
117	Addition of “+” for calling number/Deletion of “+” for called number [Series 3600]			0 1◀	To provide Not provided	CMA7 Y=71
119	CODEC type of SIP trunk for FAX communication [Series 3600]			01 02 03 NONE◀	G.711 μ-law G.711 A-law G.726 CODEC type is not changed for the FAX communication	CMA7 Y=71
NOTE: When setting the second data to NONE, the changeover to the FAX communication from the voice communication is not possible.						
120	Setting payload size for FAX communication from SIP trunk [Series 3600]	00 ? 31	Profile number for control packet	1 2 3 NONE◀	20 ms 30 ms 40 ms Payload size set by CMBA Y=22	CMA7 Y=71 CMBA Y=22
121	CODEC type of SIP Trunk (First priority) [Series 3600]			01 02 04 NONE◀	G.711 μ-law G.711 A-law G.729a No data	CMA7 Y=71 CMBA Y=21, 122, 123
NOTE: This command is effective when CMBA Y=21 is set to 0 (programmable list).						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
122	CODEC type of SIP Trunk (Second priority) [Series 3600]	00 ∟ 31	Profile number for control packet	01 02 04 NONE◀	G.711 μ-law G.711 A-law G.729a No data	CMA7 Y=71 CMBA Y=21, 121, 123
NOTE: This command is effective when CMBA Y=21 is set to 0 (programmable list).						
123	CODEC type of SIP Trunk (Third priority) [Series 3600]	00 ∟ 31	Profile number for control packet	01 02 04 NONE◀	G.711 μ-law G.711 A-law G.729a No data	CMA7 Y=71 CMBA Y=21, 121, 122
NOTE: This command is effective when CMBA Y=21 is set to 0 (programmable list).						
126	Calling Party Number acquisition field [Series 3800]	00 ∟ 31	Profile number for control packet	0 3◀	Initial-INVITE From header display name field or user name field Initial-INVITE From header display name field	CMA7 Y=71
<p>NOTE: The conditions to receive caller ID from From header are as follows:</p> <ul style="list-style-type: none"> (1) Only the numbers (0-9, *, #) can be received as the caller ID information. (2) The caller ID is received from display name field when the display name field is set in spite of the second data setting. (3) When the second data is set to 0, if there is no display name field, user name is received as the caller ID. When the second data is set to 3, if there is no display name field, the caller ID is not informed. <p>Example 1: When the display name for From header and the user name are same number From: “1000” <sip: 1000@nec.com> Second data 0 : 1000 Second data 3 : 1000</p> <p>Example 2: When the display name for From header and the user name are different number From: “1234” <sip: 1000@nec.com> Second data 0 : 1234 Second data 3 : 1234</p>						

Continued on next page

COMMAND CODE		TITLE:				
BA		H.323/SIP PROFILE DATA				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
126	<p>Example 3: When the display name for From header is number and the user name is character From: “1000” <sip: Alice@nec.com> Second data 0 : 1000 Second data 3 : 1000</p> <p>Example 4: When the display name for From header is character and the user name is number From: “Bob” <sip: 1000@nec.com> Second data 0 : 1000 Second data 3 : not informed</p> <p>Example 5: When the display name for From header and the user name are same character From: “Bob” <sip: Bob@nec.com> Second data 0 : not informed Second data 3 : not informed</p> <p>Example 6: When there is no display name for From header and the user name is number From: <sip: 1000@nec.com> Second data 0 : 1000 Second data 3 : not informed</p> <p>Example 7: When there is no display name for From header and the user name is character From: <sip: Bob@nec.com> Second data 0 : not informed Second data 3 : not informed</p>					
128	Payload type of Out-band DTMF (RFC2833) [Series 3700 R12.2]	00 1 31	Profile number for control packet	001	Payload type 001	CMA7 Y=71
				127 NONE◀	101 Payload type 127	
129	IP Address pattern No. of SIP card controlled by NAT [Series 3700 R12.2]			000	IP Address pattern No. 000	CMA7 Y=71
				255 NONE◀	IP Address pattern No. 255 No data	
<p>NOTE: Assign a different IP Address pattern from one which is assigned by CM8A Y=5000-5255>167 when using circular routing.</p>						

Continued on next page

COMMAND CODE		TITLE:																
BA		H.323/SIP PROFILE DATA																
◀: Initial Data																		
Y		1ST DATA		2ND DATA		RELATED COMMAND												
No.	MEANING	DATA	MEANING	DATA	MEANING													
130	Alternative Routing by Station Hunting-Circular [Series 3800]	00 ? 31	Profile number for control packet	0 1◀	To provide Not provided													
133	Session Timer Refresher [Series 3800]			0 1◀	See the table below. Setting of CMBA Y=29													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;">CMBA Y=29</td> <td style="width: 33%;"></td> </tr> <tr> <td style="text-align: center;">CMBA Y=133</td> <td style="text-align: center;">CMBA Y=29: 0</td> <td style="text-align: center;">CMBA Y=29: 1</td> </tr> <tr> <td style="text-align: center;">CMBA Y=133: 0</td> <td>calling: uas called : uac</td> <td>calling: uac called : uas</td> </tr> <tr> <td style="text-align: center;">CMBA Y=133: 1</td> <td>calling: uas called : uas</td> <td>calling: uac called : uac</td> </tr> </table>								CMBA Y=29		CMBA Y=133	CMBA Y=29: 0	CMBA Y=29: 1	CMBA Y=133: 0	calling: uas called : uac	calling: uac called : uas	CMBA Y=133: 1	calling: uas called : uas	calling: uac called : uac
	CMBA Y=29																	
CMBA Y=133	CMBA Y=29: 0	CMBA Y=29: 1																
CMBA Y=133: 0	calling: uas called : uac	calling: uac called : uas																
CMBA Y=133: 1	calling: uas called : uas	calling: uac called : uac																
137	IP Address pattern No. for SIP trunk source IP address check SIP INITIAL [Series 3800]	00 ? 31	Profile number for control packet	000 ? 255 NONE◀	IP Address pattern No. 000 ? IP Address pattern No. 255 No data	CM8A Y=5XXX>167												
NOTE: Assign an IP Address pattern from one which is assigned by CM8A Y=5000-5255>167 when using circular routing assigned by CMBA Y=130: 0.																		

COMMAND CODE	TITLE:
BB	H.323/SIP IP TRUNK DATA

FUNCTION:

This command is used to assign the voice channel data for H.323 IP Trunk.

PRECAUTION:

VIPT No. is assigned by CM06 Y=17.

ASSIGNMENT PROCEDURE:

[ST] + BBY + **[DE]** + VIPT No. (00-07) + **[DE]** + DATA (1-3 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	H.323 LAN Interface number for voice packet	00 ? 15 NONE◀	LAN Interface number No data	
01	IPT control channel number for H.323	0 ? 7 NONE◀	IPT number No data	CM06 Y=07 CMA7 Y=70, 71
02	CIC (Circuit Identification Code) used for H.323	001 ? 127 NONE◀	First number of CIC No data	CM30 Y=35
03	H.323 Profile number for voice packet	00 ? 31 NONE◀	Profile number for voice packet No data	CMBA

NOTE: Assign the same number as the first number of CM30 Y=35.

COMMAND CODE	TITLE:
BC	WLAN DATA ASSIGNMENT

FUNCTION:

This command is used to assign the WLAN data.

[Series 3600]

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + BCYY + **[DE]** + 1ST DATA (3/5 digits) + **[DE]** + 2ND DATA (1-32 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
02	Association of SIP Server with Virtual CSH NOTE 1 NOTE 2 NOTE 3	001ZZ	001: SIP Server ID ZZ : Virtual CSH control block number (00, 01)	04-15, 20-59 NONE◀	AP number of Virtual CSH assigned by CM05 No data

NOTE 1: We recommend the AP number of second data is set to 32-59.

NOTE 2: Maximum 16 Virtual CSs/ZTs can be controlled per Virtual CSH. Therefore, when controlling more than 16 Virtual CSs/ZTs, assign 2 Virtual CSH Control Block No. (00, 01) to the AP number of Virtual CSH for WLAN.

Example: CMBC Y=02: 00100>32

CMBC Y=02: 00101>33

NOTE 3: This command is effective after rebooting the SIP server.

Continued on next page

COMMAND CODE		TITLE:			
BC		WLAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
05	Whether the authentication for each call is allowed NOTE 1 NOTE 2	001	SIP server ID	0 1◀	Restricted Allowed
10	Domain name for WLAN Station (For confirmation only) NOTE 3	000 ? 063	Domain name number	XXX...X NONE◀	Domain name (Maximum 32 digits) No data

NOTE 1: When the second data is set to “0”, the authentication is allowed only in WLAN terminal registration.
When the second data is set to “1”, the authentication is allowed in both WLAN terminal registration and making call from WLAN terminal.

NOTE 2: This command is effective after rebooting the SIP server.

NOTE 3: This command is only for confirmation. To set a domain name, use CMBC Y=11/12/13.


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COMMAND CODE		TITLE:			
BC		WLAN DATA ASSIGNMENT			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	Domain name for WLAN station assignment with character code (First 12 characters) NOTE 1 NOTE 2 NOTE 4 NOTE 5 NOTE 6	000 ? 063	Domain name number assigned by CM1D Y=30	XXX...X NONE◀	Domain name (Maximum 24 digits: 12 characters) See Character Code Table in CM77. No data
12	Domain name for WLAN station assignment with character code (Middle 12 characters) NOTE 1 NOTE 2 NOTE 4 NOTE 5 NOTE 6			XXX...X NONE◀	Domain name (Maximum 24 digits: 12 characters) See Character Code Table in CM77. No data
13	Domain name for WLAN station assignment with character code (Last 8 characters) NOTE 1 NOTE 3 NOTE 4 NOTE 5 NOTE 6			XXX...X NONE◀	Domain name (Maximum 16 digits: 8 characters) See Character Code Table in CM77. No data
14	Domain names controlled by the SIP Server NOTE 7			001 NONE◀	SIP Server ID No data

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COMMAND CODE	TITLE:
BC	WLAN DATA ASSIGNMENT
<p>NOTE 1: <i>Maximum 64 domain names can be registered per system.</i></p> <p>NOTE 2: <i>When the domain name is shorter than 24 digits, pad the blank digit positions with FF so as to ensure the domain name length is 24 digits.</i></p> <p>NOTE 3: <i>When the domain name is shorter than 16 digits, pad the blank digit positions with FF so as to ensure the domain name length is 16 digits.</i></p> <p>NOTE 4: <i>The domain name set by this command is required to set to WLAN terminal. Confirm the character and digits of character code set to WLAN terminal.</i></p> <p>NOTE 5: <i>You can confirm the domain name set by this command with CMBC Y=10.</i></p> <p>NOTE 6: <i>This command is effective after rebooting the SIP server.</i></p> <p>NOTE 7: <i>Maximum 64 domain names for WLAN station can be controlled by the SIP Server.</i></p>	

COMMAND CODE		TITLE:		
D6		FLF MEMORY CLEAR		
FUNCTION:				
This command is used to clear the FLF memory.				
PRECAUTION:				
None				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}}$ + D6Y + $\boxed{\text{DE}}$ + 1ST DATA (4 digits) + $\boxed{\text{DE}}$ + CCC + $\boxed{\text{EXE}}$				
DATA TABLE:				
1ST DATA			2ND DATA	
Y	DATA	FUNCTION	DATA	FUNCTION
0	0000	Clear all FLF memory [Series 3300]	CCC	Clear

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 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=00>98 . There is no limitation for the port number of the computer connected to the PBX.					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + \text{D7Y} + \boxed{\text{DE}} + \begin{matrix} \text{FUNCTION DATA} \\ (1-5 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1-4 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$					
DATA TABLE:					
					◀: Initial Data
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	OAI Function Key number for MSF/TMF	F1032	OAI Function key number 0	128	Operation Code for MSF
		?	?	?	
		F1047	OAI Function key number 15	191	Operation Code for TMF
			NOTE 1	192	
			255		
				DCX	Digit number of Digit Code (X=1-3) NOTE 2
				NONE◀	No data
1	Operation Code for MSF	X	Access Code assigned by CM20>A084	128	Operation Code for MSF NOTE 3
		?		?	
		XXXX		191	
				NONE◀	No data
2	Digital Announcement Trunk card number for MSF	000	Message number	1XXX	XXX: 000-127: Digital Announcement Trunk card number
		?			
		127			

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COMMAND CODE		TITLE:			
D7		OAI CONTROL DATA			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Multi-Connection Announcement service for MSF	100 (Fixed)	Message number	1000 (Fixed)	Digital Announcement Trunk card number
				NONE◀	No data
3	Waiting timer for RR signal after starting up MSF/TMF	00	Setting Timer	000◀	8 seconds (4 seconds increments)
				001	4 seconds
				002	8 seconds
				003	12 seconds
				?	?
				127	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◀	Number of terminals
				?	
				32	
				00◀	32 terminals (2 terminals increments)
		01	2 terminals		
		02	4 terminals		
		03	6 terminals		
		?	?		
30	60 terminals				
31	62 terminals				
32	63 terminals				
5	Office number for OAI	00	-	X	Office No. (Maximum 4 digits)
				?	
				XXXX	
				NONE◀	No data
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	Operation Code for MSF NOTE 6
				?	
				191	
				192	Operation Code for TMF NOTE 6
				?	
255					
				NONE◀	No data

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COMMAND CODE	TITLE:
D7	OAI CONTROL DATA

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
7	Chime from D ^{term} when receiving RR signal of MSF/TMF	F1032	OAI Function Key No. 0	00◀	Not sent
		?	?	01	To send
8	Chime from D ^{term} when setting up TMF	00	Chime before sending terminal messages (when pressing OAI Function Key)	00◀	Not ring
		02	Chime after sending terminal messages	01	Ring
	Display of guidance on D ^{term} when setting up TMF	01	Display of guidance before sending terminal messages (when pressing OAI Function Key)	00◀	Not displayed
		03	Display of guidance after sending terminal messages	01	To display
A	AP database of FLF [Series 3300]	00	Recognition of AP database by RR message	0◀	To provide
		1	Not provided	1	Not provided
		01	Omission of AP database for information added to RR message NOTE 7	0◀	Not omitted
		1	To omit	1	To omit
	Chime from D ^{term} when MSF is canceled	11	When Terminal Mode is canceled	0◀	Ring
				1	Not ring
	Chime from D ^{term} at the time terminal mode is released [Series 3100]	0B	Chime sending out at the time (MRFR, MRFI) terminal mode release	0	Not ring
				1◀	Ring

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: CALLING NUMBER DEVELOPMENT DATA
DB	

FUNCTION:

This command is used to assign the calling number development data for CALLER ID.

PRECAUTION:

Clearing all data in memory for calling number development (CMDB Y=90) is necessary before assigning the calling number development data by CMDB and CMDC.


The development data by CMDB and CMDC are assigned toward the first CIR card (PN-4RSTC), which has been assigned a minimum AP number. When providing multiple CIR cards, save the development data and load them for the other CIR cards using a MAT. For detail procedure, refer to the Feature Programming Manual.

ASSIGNMENT PROCEDURE:

[ST] + DBYY + **[DE]** + 1ST DATA (1-4 digits) + **[DE]** + 2ND DATA (1-14 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Calling party's name assignment	0-1499	Calling Number Development Table number assigned by CMDC	X...XXXX (Maximum 14 characters) NONE◀ CCC	Character Code  See Character Code Table in CM77 . No data Clear
01	Destination station number for Day Mode NOTE 1, NOTE 2			X...XXXX (Maximum 12 digits) NONE◀ CCC	Day Mode Destination station number (X=0-9) No data Clear
02	Destination station number for Night Mode NOTE 1, NOTE 2			X...XXXX (Maximum 12 digits) NONE◀ CCC	Night Mode Destination station number (X=0-9) No data Clear

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COMMAND CODE	TITLE: CALLING NUMBER DEVELOPMENT DATA
DB	

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
04	Ringing Tone	0-1499	Calling Number Development Table No. assigned by CMDC	0◀	Depends on CM35 Y=33
				1	Not used
				2	Internal Ringing Tone
				3	External Ringing Tone
05	Calling Number/ Calling Name Display			0◀	Calling Number Display
		1	Calling Name Display		
06	Call Waiting for each calling number			0◀	Not available
				1	Available NOTE: <i>Effective when the 2nd data of CM35 Y=59 is 1.</i>
07	UCD Priority Queuing for each calling number			0◀	Not priority
				1	Priority
12	Priority for name display			0◀	Calling name received from network
				1	Name assigned by CMDB Y=00
30	Trunk Tenant Number for Calling Number Development and Type of Single Data Message Frame Format	0	Trunk Tenant Number Development	0◀	Using Development Table for Trunk Tenant 00 (CMDC Y=00)
				1	Using Development Table for actual Trunk Tenant (CMDC Y=00-63)
		1	Single Data Message Frame Format when using the PN-4RSTC card	0◀	With Time Parameter
				1	Without Time Parameter

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COMMAND CODE	TITLE: CALLING NUMBER DEVELOPMENT DATA
DB	

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
90	Caller ID Receiver Memory All Clear	0000	-	CCC	Clear NOTE: Before clearing the data, set the SW1-1 to SW1-4 on the CALLER ID Receiver Trunk to "ON" (Make-busy); and after memory clear, restore them to "OFF".
91	Caller ID Receiver Memory Clear for Development Table No. assigned by CMDC and Development Data assigned by CMDB	0001			
92	Caller ID Receiver Memory Clear for Development Data assigned by CMDB	0002			

NOTE 1: If assigning the destination station number as below, the terminating system overrides CM30 Y=02/03 for the selected Development Table.

****02: Trunk Line (Direct) Appearance

****03: Trunk Line (Direct) Appearance + TAS

****04: Direct-in Termination

****09: Automated Attendant

****11: Attendant Console + Trunk Line Appearance

****13: TAS

****14: Attendant Console

****16: Remote Access to System (DISA)

****31: DID, Tie Line, and the call which is not handled by the PBX

NOTE 2: Destination station number can be LCR access code + outside telephone number.

COMMAND CODE	TITLE:
DC	CALLING NUMBER DEVELOPMENT TABLE

FUNCTION:

This command is used to assign the calling number development table number for CALLER ID, to each calling number.

PRECAUTION:

Clearing all data in memory for calling number development (CMDB Y=90) is necessary before assigning the calling number development data by CMDB and CMDC.

The development data by CMDB and CMDC are assigned toward the first CIR card (PN-4RSTC), which has been assigned a minimum AP number. When providing multiple CIR cards, save the development data and load them for the other CIR cards using a MAT. For details of the procedure, refer to the Feature Programming Manual.

ASSIGNMENT PROCEDURE:

[ST] + DCYY + [DE] + CALLING NUMBER (1-10 digits) + [DE] + DEVELOPMENT TABLE No. (1-4 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00-63	Trunk Tenant number	X...XXX	Calling number (Maximum 10 digits)	0◀-1499	Calling Number Development Table number

COMMAND CODE		TITLE:				
E0		INITIALIZATION/CHANGEOVER OF BACKUP CPU SYSTEM				
FUNCTION:						
This command allows the maintenance personnel to reset the system with the 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 initialize the system is not accepted and "DATA ERROR" is displayed.						
ASSIGNMENT PROCEDURE:						
$\boxed{\text{ST}} + \text{E0Y} + \boxed{\text{DE}} + \text{TYPE OF INITIALIZATION (2/4 digits)} + \boxed{\text{DE}} + \text{DATA (8 digits)} + \boxed{\text{EXE}}$						
DATA TABLE:						
						◀: Initial Data
Y		TYPE OF INITIALIZATION		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
2	System Initialization	2000	MP Reset	MM DD HH mm	Current time displayed on D ^{term} /ATTCON	CM02
5	Desired FP/AP Initialization	00 ? 31◀	FP/AP number 00 ? FP/AP number 31		NOTE 1 To request the initialization immediately.	CM02 CM05
6	Manual changeover of Backup CPU system (For test) [Series 3200 R6.1 (R6.1)]	3600	Active/Stand by changeover		NOTE 1 NOTE 2 To request the changeover immediately.	CM02 CM43 Y=4 CMEC Y=5
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)						
NOTE 2: After assigning the first data, "INITIAL?" is displayed. To changeover the active/stand by MP, assign the current time while "INITIAL?" is displayed. "HARD WARE ERROR" is displayed when there is no stand by MP for changeover.						

COMMAND CODE	TITLE:
E1	MP MEMORY CHECK SUM DISPLAY
FUNCTION: This command is used to display Check Sum data on MP memory. This is only for maintenance.	
PRECAUTION: None	
ASSIGNMENT PROCEDURE: <ul style="list-style-type: none">To display $\boxed{\text{ST}} + \text{E10} + \boxed{\text{DE}} + \text{MEMORY AREA No. (01-11)} + \boxed{\text{DE}}$ <p>Check Sum Data: 0000-FFFF is displayed.</p>	

COMMAND CODE	TITLE:
E3	CENTRALIZED MAT DATA

FUNCTION:

This command is used to assign the data for Centralized MAT.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + E3YY + [DE] + 1ST DATA (4/5 digits) + [DE] + 2ND DATA (5 digits) + [EXE]

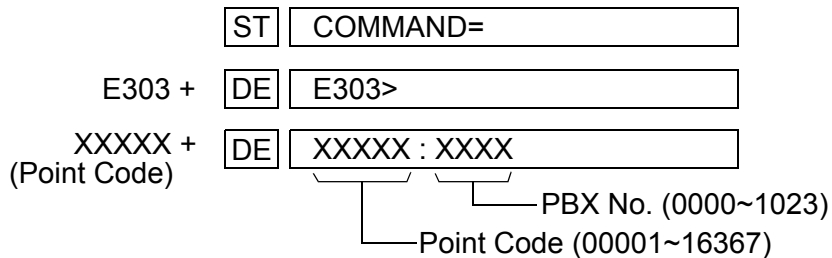
DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
02	PBX number and its Point Code	0000 ? 1023	PBX number	00001 ? 16367 NONE◀	Point Code No data	CMEA
03	PBX number display (See below.)	00001 ? 16367	Point Code	—	—	CMEA

■ PBX Number Display

Operation:



COMMAND CODE		TITLE:		
E4		STATION SERVICE STATUS DISPLAY		
FUNCTION:				
This command is used for readout the station service status. [Series 3700 R12.2]				
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 (D ^{term} /D ^{term} IP) 1: Not connected (D ^{term} /D ^{term} IP) E: Readout error _: Off-line/other than D ^{term} /D ^{term} IP 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-Don't Answer (No Answer) 0: Not set 1: Set	

Continued on next page

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-PS out of cell (zone) 0: Not set 1: Set h: Do Not Disturb 0: Not set DND per station 1: Set DND per station only E: Readout error	
01	Readout service status B for each station	ijklmnop	i: Mobility Access 0: Not set 1: Set _: Virtual station number (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 (connection by CM12 Y=19) 1: Main station number/Sub station number for Number Sharing (connection by CM12 Y=19) E: Readout error _: No connection by CM12 Y=19 l: Split Call Forwarding-All calls 0: Not set destination number (0-9) 1: Set destination number (0-9) E: Readout error m: Split Call Forwarding-Busy Line/Don't Answer (No Answer) 0: Not set destination number (0-9) 1: Set destination number (0-9) E: Readout error	CM11 CM12 Y=19

Continued on next page

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	n: ACD/UCD Busy Out 0: Not set (with station number registration included in ACD/UCD group by CM17 Y=0/with ACD/UCD group number by CM17 Y=2) 1: Set E: Readout error _: Not registered ACD/UCD group (without station num- ber registration included in ACD/UCD group by CM17 Y=0/without ACD/UCD group number by CM17 Y=2) o: Outgoing Call Restriction 0: Not set per station/outgoing call restriction 1: Set outgoing call restriction per station E: Readout error p: No service assigned _: No Service	CM17 Y=0, 2

COMMAND CODE		TITLE:			
E5		STATION, TRUNK LINE MAKE BUSY			
FUNCTION:					
This command is used to make busy any station or trunk in the software.					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}}$ + E5Y + $\boxed{\text{DE}}$ + STATION/TRUNK NUMBER + $\boxed{\text{DE}}$ + DATA (1 digit) + $\boxed{\text{EXE}}$					
DATA TABLE:					
					◀: Initial Data
Y	STATION/TRUNK NUMBER		SETTING DATA		REMARKS
	No.	MEANING	DATA	MEANING	
0	X ? XXXXXXXX	Station number (1-8 digits) NOTE 1	0 1◀	Make busy set In service	For LC and DLC card
1	000 ? 255	Trunk number NOTE 2	0 1◀	Make busy set In service	For COT, LDT, ODT and BRT card
2	XXXXXXXX $\boxed{\text{,}}$ Z	XXXXXXXX: ISDN Line Station number Z: 0 (B1 channel) 1 (B2 channel) NOTE 3	0 1◀	Make busy set In service	For ILC card
3	000 ? 255	CS/ZT number	0◀ 1 2	Make busy (forced) Make idle Make busy (after calls finished)	For CS/ZT NOTE 4
5	XX ZZ	XX: LAN Interface number (00-31) ZZ: IP-PAD channel (00-31) [Series 3200 R6.2 (R6.2)]	0 1◀	Make busy set In service	For IP-PAD card

Continued on next page


COMMAND CODE	TITLE:
E5	STATION, TRUNK LINE MAKE BUSY
<p>NOTE 1: <i>For a station that is made busy, call termination to the station is restricted, but call origination is available.</i> <i>For extension lines on a D^{term}, My Line and Multiline make busy can be set individually, with the same condition as mentioned above.</i></p> <p>NOTE 2: <i>For a trunk that is made busy, the outgoing call is restricted, but on incoming, the call is available.</i></p> <p>NOTE 3: <i>For the B channel that is made busy, call termination to the ISDN Terminal corresponds with the B channel is restricted, but call origination is available.</i></p> <p>NOTE 4: <i>Make idle of CS/ZT since the CS/ZT is in make busy forcibly when assigning the CS/ZT data by CM10/CM14.</i></p> <p>NOTE 5: <i>Under a made busy condition, the Busy Lamp on the card flashes (60 IPM).</i></p>	

COMMAND CODE	TITLE:	
E6	CALL FORWARDING SET/RESET FROM MAT/CAT	
FUNCTION:		
This command is used to set/reset Call Forwarding service to each station from a MAT/CAT.		
PRECAUTION:		
CME6 can be used for any station irrespective of its state.		
ASSIGNMENT PROCEDURE:		
$\boxed{\text{ST}} + \text{E6YY} + \boxed{\text{DE}} + \text{STATION No. (1-8 digits)} + \boxed{\text{DE}} + \text{DESTINATION No. (1-26 digits)} \left/ \begin{array}{l} \text{CCC} \\ \text{(for reset)} \end{array} \right. + \boxed{\text{EXE}}$		
DATA TABLE:		
◀: Initial Data		
Y	MEANING	DESTINATION
00	Call Forwarding-All Calls	<ul style="list-style-type: none"> • Destination=Extension; X-XXXXXXXX: Station No. (1-8 digits)
01	Call Forwarding-Busy Line	<ul style="list-style-type: none"> • Destination=Outside party; X-XXXX + $\boxed{\text{,}}$ + YY...YY X-XXXX: Outgoing Trunk/LCR Group Access Code (1-4 digits)
02	Call Forwarding-Don't Answer (No Answer)	<ul style="list-style-type: none"> $\boxed{\text{,}}$: Separate Mark YY...YY : Called No. (Maximum 26 digits)
03	Call Forwarding-Busy Line/Don't Answer (No Answer)	<ul style="list-style-type: none"> • Destination=Attendant; E000 NONE◀: No data
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 Speed Calling-Station (Station Speed Dialing) (Block 0) NONE◀: No data
05	Split Call Forwarding-Busy Line/Don't Answer (No Answer)	See CM78
NOTE: To reset the Call Forwarding, assign "CCC" to the second data.		
Continued on next page		

COMMAND CODE		TITLE:
E6		CALL FORWARDING SET/RESET FROM MAT/CAT
◀: Initial Data		
Y	MEANING	DESTINATION
06	Call Forwarding-PS/WLAN Terminal Out of Cell (Zone) [Series 3100]	<ul style="list-style-type: none"> • Destination=Extension; X-XXXXXXX: Station No. (1-8 digits)
	Call Forwarding-Logout (D ^{term} IP) [Series 3100]	<ul style="list-style-type: none"> • 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-Don't Answer (No Answer) for a trunk incoming call on a station basis [Series 3200 R6.2 (R6.2)]	001: 0-4 seconds λ (4 seconds increments) 120: 116-120 seconds NONE◀: As per CM41 Y=0>100
08	Timing of Call Forwarding-Don't Answer (No Answer) for an internal call or an assisted call on a station basis [Series 3200 R6.2 (R6.2)]	001: 0-4 seconds λ (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 [Series 3700 R12.1]	<ul style="list-style-type: none"> • Trunk number=Mobile phone No. (Maximum 26 digits) 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. 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 of in Remote PIM survival mode (station basis) [Series 3700 R12.2]	<ul style="list-style-type: none"> • 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:					
$\boxed{\text{ST}} + \text{E7YY} + \boxed{\text{DE}} + \begin{matrix} \text{COMMAND CODE} \\ (1-2 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1-3 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$					
DATA TABLE:					
			◀: Initial Data		
Y		COMMAND CODE	SETTING DATA		
No.	PASSWORD LEVEL				
00	Password Level 0-6	00-F8 (Exclusive of 03, E7, E9)	0 : Allowed 1◀: Restricted		
01	1-6				
02	2-6				
03	3-6				
04	4-6				
05	5-6				
06	6				
10	0				
11	1				
12	2				
13	3				
14	4				
15	5				
16	6				
20	To clear all the Password Level settings for all individual commands			00-F8 (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:			
E9	PASSWORD			
FUNCTION:				
This command is used to define the Password of each Password Level and the availability of Password Service.				
PRECAUTION:				
<p>(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</p> <p>(2) Before setting the Password, CME9>8 (Change of Password) must be set to 0 (Allowed).</p> <p>(3) CME9>9 (Password Service) must be set to 0 (Provided) after programming of all Passwords are completed.</p>				
ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{E9} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(1 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1/8 digits)} \end{matrix} + \boxed{\text{EXE}}$				
DATA TABLE:				
◀: Initial Data				
1ST DATA		2ND DATA		REMARKS
		DATA	MEANING	
0	Password Level 0	X	Password	Following Passwords are not available: "CC...C" (All "C") "FF...F" (All "F")
7	Password Level 7	XXXXXXXX (Maximum 8 digits)		
		CCC	Password clear	
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:						
<p>This command is used for fault maintenance of the PBX. The functions of this command are outlined below:</p> <ul style="list-style-type: none"> • 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:						
<p>(1) In CMEA Y=0, the fault information is automatically displayed when DE is pressed after entering first data 00.</p> <p>(2) See Fault Information Display in the following pages for details on how to read the fault information.</p>						
ASSIGNMENT PROCEDURE:						
$\boxed{\text{ST}} + \text{EAY} + \boxed{\text{DE}} + \text{1ST DATA (2 digits)} + \boxed{\text{DE}} + \text{2ND DATA (1-3 digits)} + \boxed{\text{EXE}}$						
DATA TABLE:						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Fault information display  Page 736	00	All fault information stored in Fault Information Memory is displayed one after another from the oldest to the newest NOTE 1 NOTE 6	–	–	
1	Clear External Alarm Kind (MJ/MN)	00	Clear all of MJ/MN /-- alarms	CCC	Alarm Clear	CM61 Y=30
		01	Clear MJ alarms			
		02	Clear MN alarms			

Continued on next page

COMMAND CODE		TITLE:				
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information store into memory, and control of external alarm	Fault Kind: Occurrence		0	External Alarm Kind	CM08>450, 451 CM42>01, 50
		01	System Initialization	1	0: Fault Memory store/No output of External Alarm	
		04	MP-FP/AP communication failure	3	1: Fault Memory store/External Alarm is MN alarm	
		08	FP/AP card down		2: Fault Memory store/External Alarm is MJ alarm	
		09	Power failure		3: Fault Memory store/External Alarm Kind is determined by standard data [See 2: External Alarm Kind (MJ/MN/--)]	
		12	CS/ZT fault occurred		Page 739	
		16	Periodic maintenance		NONE ◀ No Fault Memory store/No External Alarm output To assign NONE, enter CCC.	
		20	DTI line failure			
		21	DCH/BRT/PRT D-channel link connection failure			
		22	CCH link connection failure			
			CCH/IPT link connection failure [Series 3300 software required]			
		24	Number of faulty trunks was more than predetermined number [Australia Only]			
		25	Number of lockout stations was more than predetermined number			
		26	DLC card down			
28	SMDR output buffer memory overflow					
2B	CS/ZT fault occurred					
2C	LAN application fault occurred [Series 3400]					

Continued on next page

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
EA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information store into memory, and control of external alarm	Fault Kind: Occurrence		0	External Alarm Kind	CM08>450, 451 CM42>01, 50
		40	Traffic of IP network exceeded limit bandwidth [Series 3100]	1	0: Fault Memory store/No output of External Alarm	
		41	Traffic of IP network exceeded warning bandwidth [Series 3100]	3	1: Fault Memory store/External Alarm is MN alarm	
		42	Communication error occurrence between Main Site and Remote Site [Series 3200 R6.2 (R6.2)] NOTE 6		2: Fault Memory store/External Alarm is MJ alarm	
		43	SIP fault occurred [Series 3600]		3: Fault Memory store/External Alarm Kind is determined by standard data [See 2: External Alarm Kind (MJ/MN/--)] Page 739	
		49	IP component reset occurred [Series 3500]			
		4A	Long call duration-1 [Series 3900] NOTE 7			
		4B	Long call duration-2 [Series 3900] NOTE 7	NONE	No Fault Memory store/No External Alarm output To assign NONE, enter CCC.	

Continued on next page

COMMAND CODE		TITLE:				
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS				
						◀: Initial Data
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information store into memory, and control of external alarm	Fault Kind: Restoration		0	External Alarm Kind	CM08>450, 451 CM42>01, 50
		18	FP/AP card returned to normal condition	1	0: Fault Memory store/No output of External Alarm	
		19	Power failure returned to normal condition	3	1: Fault Memory store/External Alarm is MN alarm	
		30	DTI line returned to normal condition		2: Fault Memory store/External Alarm is MJ alarm	
		31	DCH/BRT/PRT D-channel link connection returned to normal condition		3: Fault Memory store/External Alarm Kind is determined by standard data [See 2: External Alarm Kind (MJ/MN/--)] Page 739	
		32	CCH link connection returned to normal condition			
			CCH/IPT link connection returned to normal condition [Series 3300 software required]			
		34	Number of faulty trunks was less than predetermined number [Australia Only] NOTE 8			
		35	Number of lockout stations restored to less than predetermined number NOTE 9	NONE	No Fault Memory store/No External Alarm output To assign NONE, enter CCC.	
		36	DLC card returned to normal condition			
		38	SMDR output buffer memory returned to normal condition			
3B	CS/ZT returned to normal condition NOTE 10					
3C	LAN application returned to normal condition [Series 3400] NOTE 5					


Continued on next page

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
EA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information store into memory, and control of external alarm	Fault Kind: Restoration		0	External Alarm Kind	CM08>450, 451 CM42>01, 50
		50	Traffic of IP network returned to normal condition from limit bandwidth excess [Series 3100]	1	0: Fault Memory store/No output of External Alarm	
		51	Traffic of IP network returned to normal condition from warning bandwidth excess [Series 3100]	2	1: Fault Memory store/External Alarm is MN alarm	
		52	Communication error restoration between Main Site and Remote Site [Series 3200 R6.2 (R6.2)] NOTE 6	3	2: Fault Memory store/External Alarm is MJ alarm	
		53	SIP returned to normal condition [Series 3600]	NONE◀ No Fault Memory store/No External Alarm output To assign NONE, enter CCC.		

Continued on next page

COMMAND CODE		TITLE:				
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS				
◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
3	Sending fault information by alarm kind automatically to 2400 IPX MAT/RMAT/Centralized MAT	00	MJ Alarm*	0	Send	CMEA Y=2
		01	MN Alarm*	1◀	Not sent	
		02	-- Alarm*			
		*: External Alarm Kind set by CMEA Y=2				
4	Contents of fault information sent to 2400 IPX MAT/RMAT/Centralized MAT	00	Office number sent to RMAT	00 ? 999 NONE◀	Office number No data	
		01	Destination of fault information	2 3 7◀	2400 IPX MAT/Centralized MAT 2400 IPX MAT/Centralized MAT + RMAT RMAT	
		05	Destination point code of fault information to 2400 IPX MAT/Centralized MAT	00001 ? 16367 NONE◀	Point Code No data	
5	Office name sent to 2400 IPX MAT	01	Character Code	20-DF NONE◀	Maximum 32 digits  See Character Code Table in CM77 . No data	
		02	Character	XX...XX NONE◀	Office Name Maximum 16 characters No data	

Continued on next page

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
EA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
6	Fault log/Call log collection on VoIP call [Series 3500]	00	Output destination for the fault logs/call logs NOTE 11	2 3◀	RS port of MP Not output	CM40 Y=00
		01	Display the call logs that are collected in the MP 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 D ^{term} IPs/IP-CSs login to the system or the IP-PAD is in online status NOTE 12	0 1◀	To collect Not collected	
		11	Terminals/IP-PAD to collect fault logs NOTE 13	X- XXXXXXXXX DD000-DD255 EEAXXXZ	D ^{term} IP Station No. IP-PAD Channel No. XXX: CS No. of IP-CS (000-255) Z: D Channel (0) B Channel (0-2)	

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>NOTE 1: <i>Even if the external alarm is set as MN or MJ alarm for system initialized (1st data=01), no alarm is output in the case of Power On, Reset key operated, initialization from the MAT/CAT, and initialization by MP SW3 switch selection.</i></p> <p>NOTE 2: <i>The External Alarm Kind for “Number of faulty trunks was more than predetermined number” is fixed as MN or MJ by CM42>06, 07. For 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.</i></p> <p>NOTE 3: <i>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.</i></p> <p>NOTE 4: <i>If Virtual CSH for WLAN detects a communication failure between the CSH and SIP server, by a health check, the fault kind “2B” is registered as fault information.</i> [Series 3600]</p> <p>NOTE 5: <i>The fault information of the fault kind No, 2C/3C is also registered to the MP card when the OAI fault occurs/the OAI fault is restored. The OAI fault contents that are registered to the MP card as follows.</i></p> <ul style="list-style-type: none"> • <i>Fault Kind 2C (LAN application fault occurrence)</i> <ul style="list-style-type: none"> (a) <i>ABOUT/RLRQ (U-ABOUT/RLRQ received)</i> (b) <i>Fault detection by health check (health check IP T.O)</i> • <i>Fault Kind 3C (LAN application returned to normal condition)</i> <ul style="list-style-type: none"> (a) <i>Association is established (AARQ received)</i> 	

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>NOTE 6: Confirm the following fault information, when you check Remote Site operations by survival mode as fault information from MAT/CAT in Remote PIM over IP.</p> <p>01: System Initialization</p> <p>42: Communication error occurrence between Main Site and Remote Site</p> <p>52: Communication error restoration between Main Site and Remote Site</p> <p>When Remote Site starts the survival mode operation, the fault information “Initialize by CAT or MAT” (Fault occurrence kind No. 01) is registered to the MP card of Remote Site. In addition, “Communication error occurrence between Main Site and Remote Site” (Fault occurrence kind No. 42) is registered to the MP card of Main Site at 20 seconds later from the predetermined time set by CMOB Y=31-60>50.</p> <p>Remote Site on survival mode checks at every 30 seconds if the communications to Main Site are possible. When the Remote Site regards that the communications are possible, “Communication error restoration between Main Site and Remote Site” (Fault occurrence kind No. 52) is registered to the MP card of Main Site at 20 seconds later from the predetermined time set by CMOB Y=31-60>51.</p> <p>[Series 3200 R6.2 (R6.2)]</p> <p>NOTE 7: About long call duration of trunk call (fault kind: 4A/4B)</p> <ul style="list-style-type: none"> • When Long call duration failure occurs, “Failure occurred” is displayed on the MATWorX. • 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. • Long call duration-2 (4B) is effective only when fault information store setting (CMEA Y=2>4A: 1/2) of Long call duration-1 (4A) is set. • Long call duration-2 (4B) is registered in any of the following cases: <ul style="list-style-type: none"> - When receiving the Calling Party No. from the office - When setting of MP Built-in SMDR is effective <p>[Series 3900]</p> <p>NOTE 8: The External Alarm Kind for “Number of faulty trunks 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.</p>	

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>NOTE 9: <i>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.</i></p> <p>NOTE 10: <i>Upon successful registration to SIP server for WLAN, the fault kind “3B” is registered as fault information.</i> [Series 3600]</p> <p>NOTE 11: <i>Set the output port for fault logs/call logs by CM40 Y=00.</i></p> <p>NOTE 12: <i>When setting the second data to 1, fault kind 49 (IP component reset occurrence) is not registered.</i></p> <p>NOTE 13: <i>When reading this data, second data 1 is displayed normally.</i></p>	

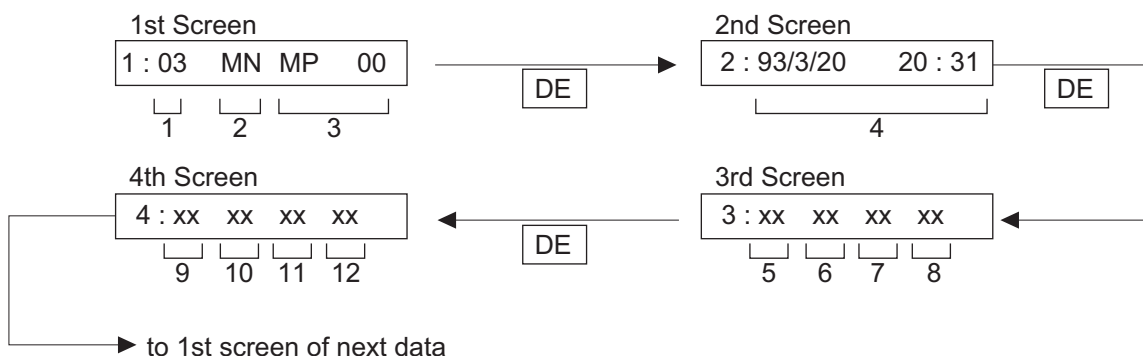
COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
EA	

■ Fault Information Display

After the following operation:

[ST] + EA0 + [DE] + 00 + [DE]

The first screen displays on the MAT/CAT. The fault information is separated into four separate parts, and displayed on four screens. An example of fault information display is provided below:



EXPLANATION OF SCREEN INFORMATION

1: Fault Kind No./Restoration Kind No.

FAULT KIND NUMBER	FAULT CONTENT
01	System initialized
04	MP-FP/AP communication failure
08	FP-AP card down
09	Power failure
12	CS/ZT fault
16	It is a day for periodic maintenance
17	Key FD Activation (Center Activation)
20	DTI line failure
21	DCH/BRT/PRT D-channel link connection failure


Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
1: Fault Kind No./Restoration Kind No. (Continued)	
FAULT KIND NUMBER	FAULT CONTENT
22	CCH link connection failure
	CCH/IPT link connection failure [Series 3300 software required]
24 [Australia Only]	Number of faulty trunks was more than predetermined number
25	Number of lookout stations was more than predetermined number
26	DLC card down
28	SMDR output buffer memory overflow
2B	CS/ZT fault occurred
2C	LAN application fault occurred
40	Traffic of IP network exceeded limit bandwidth
41	Traffic of IP network exceeded warning bandwidth
42	Communication error occurrence between Main Site and Remote Site
43	SIP fault occurred [Series 3600 software required]
48	MP program downloading
49	IP component reset occurred
4A	Long call duration-1 [Series 3900 software required]
4B	Long call duration-2 [Series 3900 software required]

Continued on next page

COMMAND CODE	TITLE:	
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS	
1: Fault Kind No./Restoration Kind No. (Continued)		
RESTORATION KIND NUMBER	RESTORATION CONTENT	
17	Key FD Activation (Center Activation)	
18	FP/AP card returned to normal condition	
19	Power failure returned to normal condition	
30	DTI line returned to normal condition	
31	DCH/BRT/PRT D-channel link connection returned to normal condition	
32	CCH link connection returned to normal condition	
	CCH/IPT link connection returned to normal condition [Series 3300 software required]	
34 [Australia Only]	Number of faulty trunks was less than predetermined number	
35	Number of lookout stations was less than predetermined number	
36	DLC card returned to normal condition	
38	SMDR output buffer memory returned to normal condition	
3B	CS/ZT returned to normal condition	
3C	LAN application returned to normal condition	
50	Traffic of IP network returned to normal condition from limit bandwidth excess	
51	Traffic of IP network returned to normal condition from warning bandwidth excess	
52	Communication error restoration between Main Site and Remote Site	
53	SIP returned to normal condition [Series 3600 software required]	

Continued on next page

COMMAND CODE	TITLE:	
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS	
2: External Alarm Kind (MJ/MN/--)		
Use of External Alarm Kind-Minor (MN), Major (MJ) or external alarm is not provided (--) can be programmed by CMEA Y=2. The following table shows the standard data set by the 2nd data=3 of CMEA Y=2.		
FAULT KIND (1ST)	CONTENT	ALARM KIND
01	System Initialized	MN ALARM
04	MP-FP/AP communication failure	MN ALARM
08	FP/AP card down	MN ALARM
09	Power failure	MN ALARM
12	CS/ZT fault occurred	--
16	It is a day for periodic maintenance	--
17	ID Code error occurred during the Key FD Activation (Center Activation)	MJ ALARM (MJ Alarm will not be displayed when the Key FD authenticated normally)
18	FP/AP card returned to normal condition	--
19	Power failure returned to normal condition	--
20	DTI line failure	MN ALARM
21	DCH/BRT/PRT D-channel link connection failure	MN ALARM
22	CCH link connection failure	
	CCH/IPT link connection failure [Series 3300 software required]	MN ALARM
24 [Australia Only]	Number of faulty trunks was more than predetermined number	MJ/MN ALARM
25	Number of lockout stations was more than predetermined number ( See CM42>01)	MN ALARM (Fixed)
26	DLC card down	--
28	SMDR output buffer memory overflow	MN ALARM
2B	CS/ZT fault occurred	--
2C	LAN application fault occurred	MN ALARM

Continued on next page

COMMAND CODE		TITLE:
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS
2: External Alarm Kind (MJ/MN/--) (Continued)		
FAULT KIND (1ST)	CONTENT	ALARM KIND
30	DTI line returned to normal condition	--
31	DCH/BRT/PRT D-channel link connection returned to normal condition	--
32	CCH link connection returned to normal condition	--
	CCH/IPT link connection returned to normal condition [Series 3300 software required]	
34 [Australia Only]	Number of faulty trunks was less than predetermined number	--
35	Number of lockout stations was less than predetermined number	--
36	DLC card returned to normal condition	--
38	SMDR output buffer memory returned to normal condition	--
3B	CS/ZT returned to normal condition	--
3C	LAN application returned to normal condition	--
40	Traffic of IP network exceeded limit bandwidth	MJ ALARM
41	Traffic of IP network exceeded warning bandwidth	MN ALARM
42	Communication error occurrence between Main Site and Remote Site	--
43	SIP fault occurred [Series 3600 software required]	--
48	MP program downloading	--
49	IP component reset occurred	--
50	Traffic of IP network returned to normal condition from limit bandwidth excess	--
51	Traffic of IP network returned to normal condition from warning bandwidth excess	--
52	Communication error restoration between Main Site and Remote Site	--
53	SIP returned to normal condition [Series 3600 software required]	--

Continued on next page

COMMAND CODE	TITLE:								
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS								
3: CPU Kind and FP/AP number for which a fault was detected									
<table border="1"><thead><tr><th data-bbox="418 426 721 478">INDICATION</th><th data-bbox="721 426 1172 478">MEANING</th></tr></thead><tbody><tr><td data-bbox="418 478 721 531">MP 00</td><td data-bbox="721 478 1172 531">MP</td></tr><tr><td data-bbox="418 531 721 583">FP 00-63</td><td data-bbox="721 531 1172 583">FP Number 00-63</td></tr><tr><td data-bbox="418 583 721 632">AP 04-15, 20-31</td><td data-bbox="721 583 1172 632">AP Number 04-15, 20-31</td></tr></tbody></table>		INDICATION	MEANING	MP 00	MP	FP 00-63	FP Number 00-63	AP 04-15, 20-31	AP Number 04-15, 20-31
INDICATION	MEANING								
MP 00	MP								
FP 00-63	FP Number 00-63								
AP 04-15, 20-31	AP Number 04-15, 20-31								
4: Date and Time of Fault Occurrence and Restoration									
Continued on next page									

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

5-12: Fault Information/Fault Restoration Information

FAULT KIND NUMBER	5	6	7	8	9	10	11	12
01	Initial Kind, etc. (a), (b)	System Initialization information (c)						
04	Communication Failure Kind (d)	No. of communication failures	FP/AP No. (e)					
08	FP/AP No. (e)							
09	Power Failure Kind 1 (f)	Power Failure Kind 2 (f)	Power Failure Kind 3 (f)					
12	Fault Kind (g)	AP No. (h)	CS/ZT Interface No. (i)					
16	Check Item (j)							
17	ID Code Error							
20	Fault Detail Kind (l)							
21	D-ch No. (m)							
22	CCH/IPT No. (n)							

Continued on next page

COMMAND CODE		TITLE:						
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS						
5-12: Fault Information/Fault Restoration Information (Continued)								
FAULT KIND NUMBER	5	6	7	8	9	10	11	12
24								
25								
26	DLC Failure Kind (O)	LEN (P)	Station No. (Q)					
28	Memory Kind (R)	Overflow Kind (S)						
2B	Fault Kind (T)	AP No. (U)	CS/ZT No. (V)					
2C	Terminal Kind, Terminal No. (C), (D)	Fault Content (E)	No. of Sending Same Data (F)/ Channel No. (sc-id) (K)	No. of Parity Error Detection (G)/ Sending Message No. (invoke-id) (L)	No. of NAK Reception (H)/ Receiving Message No. (invoke-id) (M)	No. of Sequence No. Error (I)	No. of Illegal Text Reception (J)	
40	Location No. (N)	Location No. (N)	No. of times that traffic exceeded the limit bandwidth (O)					
41	Location No. (N)	Location No. (N)	No. of times that traffic exceeded the warning bandwidth (P)					
42	Remote Site No. (Q)							
48	File Type (R)	Executed operation (S)	Result (T)	Error detail (U)				

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

5-12: Fault Information/Fault Restoration Information (Continued)

FAULT KIND NUMBER	5	6	7	8	9	10	11	12
49	Component Kind (v)	Component No. (w)	Reset factor (x)	Reset Time (Month) (y)	Reset Time (Date) (y)	Reset Time (Hour) (y)	Reset Time (Minute) (y)	Reset Time (Second) (y)
4A	Trunk No. (z)		Connection Status (aa)	Connected Terminal Information (bb)				
4B	Trunk No. (z)		Called No. (cc)					
17								
18	FP/AP No. (e)							
19	Power Failure Kind 1 (k)	Power Failure Kind 2 (k)	Power Failure Kind 3 (k)					
30	Fault Detail Kind (l)							
31	D-ch No. (m)							
32	CCH/IPT No. (n)							
34								
35								
36	DLC Failure Kind (o)	LEN (p)		Station No. (q)				
38	Memory Kind (r)							

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

5-12: Fault Information/Fault Restoration Information (Continued)

FAULT KIND NUMBER	5	6	7	8	9	10	11	12
3B	Fault Kind Ⓜ	AP No. Ⓧ	CT/ZT No. ⓐ					Kind of Wireless Synchronization ⓑ
3C	Terminal Kind, Terminal No. ⓒ.ⓓ	Fault Restoration Content ⓔ	Channel No. (sc-id) Ⓚ	Sending Message No. (invoke-id) Ⓛ	Receiving Message No. (invoke-id) Ⓜ			
50	Location No. Ⓝ	Location No. Ⓝ	No. of times that traffic exceeded the limit bandwidth ⓐ					
51	Location No. Ⓝ	Location No. Ⓝ	No. of times that traffic exceeded the warning bandwidth ⓑ					
52	Remote Site No. Ⓠ							

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>Ⓐ: Initial Kind (Upper digit)</p> <p>1: Program address information 2: Receive command information F: No system initialization information</p> <p>Ⓑ: Initial Kind (Lower digit)</p> <p>0 : Power On Initialize 1 : Initialize by Reset Button (SW1) 2 : Serious failure 1 3 : Serious failure 2 4 : Not Used 5 : Serious failure 3 6 : Serious failure 4 7 : Serious failure 5 8 : Serious failure 6 9 : SW3 was changed to 0 A : Serious failure 7 B : Initialize by CAT or MAT C : Not used D : Not used E : Not used F : Not used</p> <p>Ⓒ: System Initialization information</p> <p>The address of the program which caused system initialization. This information is output in the case of system initialization only when the initial kind in Ⓑ is 02, 03, 06, or 0A.</p> <p>Ⓓ: Communication Failure Kind</p> <p>00 : Overflow of data sending buffer to FP/AP 01 : Invalid data received from FP/AP</p>	<p style="text-align: right;">Continued on next page</p>

COMMAND CODE	TITLE:																							
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS																							
(e): FP/AP Number <table border="0" data-bbox="266 436 1414 730"> <thead> <tr> <th data-bbox="266 436 743 478">[Series 3200 R6.1 or before]</th> <th data-bbox="743 436 1084 478">[Series 3200 R6.2]</th> <th data-bbox="1084 436 1414 478">[Series 3300 or later]</th> </tr> </thead> <tbody> <tr> <td data-bbox="266 478 743 520">C0-C3 : FP No. 00-03</td> <td data-bbox="743 478 1084 520">C0-CF: FP No. 00-15</td> <td data-bbox="1084 478 1414 520">C0-CF : FP No. 00-15</td> </tr> <tr> <td data-bbox="266 520 743 562">D0-D3 : FP No. 16-19</td> <td data-bbox="743 520 1084 562">D0-DF: FP No. 16-31</td> <td data-bbox="1084 520 1414 562">D0-DF: FP No. 16-31</td> </tr> <tr> <td data-bbox="266 562 743 604">C4-CF : AP No. 04-15</td> <td data-bbox="743 562 1084 604">C4-CF: AP No. 04-15</td> <td data-bbox="1084 562 1414 604">E0-EF : FP No. 32-47</td> </tr> <tr> <td data-bbox="266 604 743 646">D4-DF: AP No. 20-31</td> <td data-bbox="743 604 1084 646">D4-DF: AP No. 20-31</td> <td data-bbox="1084 604 1414 646">F0-FF : FP No. 48-63</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1084 646 1414 688">C4-CF : AP No. 04-15</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1084 688 1414 730">D4-DF: AP No. 20-31</td> </tr> </tbody> </table>	[Series 3200 R6.1 or before]	[Series 3200 R6.2]	[Series 3300 or later]	C0-C3 : FP No. 00-03	C0-CF: FP No. 00-15	C0-CF : FP No. 00-15	D0-D3 : FP No. 16-19	D0-DF: FP No. 16-31	D0-DF: FP No. 16-31	C4-CF : AP No. 04-15	C4-CF: AP No. 04-15	E0-EF : FP No. 32-47	D4-DF: AP No. 20-31	D4-DF: AP No. 20-31	F0-FF : FP No. 48-63			C4-CF : AP No. 04-15			D4-DF: AP No. 20-31			
[Series 3200 R6.1 or before]	[Series 3200 R6.2]	[Series 3300 or later]																						
C0-C3 : FP No. 00-03	C0-CF: FP No. 00-15	C0-CF : FP No. 00-15																						
D0-D3 : FP No. 16-19	D0-DF: FP No. 16-31	D0-DF: FP No. 16-31																						
C4-CF : AP No. 04-15	C4-CF: AP No. 04-15	E0-EF : FP No. 32-47																						
D4-DF: AP No. 20-31	D4-DF: AP No. 20-31	F0-FF : FP No. 48-63																						
		C4-CF : AP No. 04-15																						
		D4-DF: AP No. 20-31																						
(f): Power Failure Kind <ul style="list-style-type: none"> <li data-bbox="266 863 540 898">00 : AC input failure <li data-bbox="266 905 472 940">01 : Fuse break <li data-bbox="266 947 480 982">02 : PWR alarm 																								
(g): Fault Kind <ul style="list-style-type: none"> <li data-bbox="266 1115 646 1150">00 : Fault notice from CS/ZT <li data-bbox="266 1157 591 1192">01 : CS/ZT initial failure <li data-bbox="266 1199 699 1234">02 : CS/ZT condition read failure <li data-bbox="266 1241 667 1276">03 : CS/ZT condition unmatched <li data-bbox="266 1283 704 1318">04 : B channel condition unmatched <li data-bbox="266 1325 618 1360">05 : SYS-ID upload failure <li data-bbox="266 1367 659 1402">06 : SYS-ID download failure <li data-bbox="266 1409 654 1444">07 : CS/ZT make busy failure <li data-bbox="266 1451 634 1486">08 : CS/ZT data load failure <li data-bbox="266 1493 695 1528">09 : B channel make busy failure <li data-bbox="266 1535 870 1570">0A: CS/ZT operation parameter change failure <li data-bbox="266 1577 724 1612">0B: LCCH sending position failure <li data-bbox="266 1619 1182 1654">0C: Carrier selection failure [North America/Latin America Only] <li data-bbox="266 1661 769 1696">0D: CS/ZT expansion data read failure <li data-bbox="266 1703 800 1738">0E: CS/ZT expansion data setting failure <li data-bbox="266 1745 894 1780">0F : CS/ZT operation parameter 2 change failure 																								

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
ⓗ:	04-15, 20-31: AP No. of CSH
Ⓢ:	000-255: CS/ZT No.
Ⓣ:	Check Item
	00: Battery check
	01-07: Check item No. 1-No. 7
Ⓚ:	Power Failure Restoration Kind
	00 : AC input failure
	01 : Fuse break
	02 : PWR alarm
①:	Fault Kind Detail
	00 : PCM loss
	01 : Frame loss
	02 : Multi frame loss
	03 : AIS error
	04 : Remote alarm
	05 : Multi remote alarm
	06 : S-bit error
	07 : Not used
	08 : CRC error
	09 : Slip detected
	0A: Main signal All 1 (for BRT)
	0B: INFO 0 (for BRT)
	0C: INFO 2 (for BRT)
	0D: Not used
	0E: Not used
	0F: Not used

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
(m): D-channel circuit No. 00-07: D-channel No. 0-7	
(n): CCH/IPT No. 00-07: CCH/IPT No. 0-7	
(o): DLC Failure Kind 00 : Terminal was cut off 02 : Short circuit was made on the line (for 4DLC) 03 : Ring wire was grounded (for 4DLC) 04 : Tip wire was grounded or terminal was unconnected (for 4DLC) 05 : Terminal failure (for 4DLC) 06 : Terminal Disconnected 08 : Terminal circuit failure 0A : Network Busy 0B : Network Busy out	
(p): LEN (000-763)	
(q): Station No. (X-XXXXXXXX)	
(r): Memory Kind 00 : Billing memory block 01 : Host CPU No. 0 output buffer memory block 02 : Host CPU No. 1 output buffer memory block 03 : Automatic print buffer memory block 04 : Notice of the rest of memory block numbers in the system 05 : CCIS output buffer memory block	Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>Ⓢ: Overflow Kind</p> <p>When setting CMD000>126: 0/CMDD00>126: 0 00 : Memory accumulation exceeds the value set by CMD001>229/CMDD01>229 or CMD003>26-30/CMDD02>0-2 01 : Memory overflowed</p> <p>When setting CMD000>126: 1/CMDD00>126: 1 01 : Memory accumulation exceeds the value set by CMD001>229/CMDD01>229 or CMD003>26-30/CMDD02>0-2</p> <p>For memory Kind 04, regardless of CMD000>126/CMDD00>126 01 : Memory accumulation exceeds the value set by CMD001>229/CMDD01>229 or CMD003>26-30/CMDD02>0-2</p> <p>Ⓣ: Fault Kind</p> <p>00 : CS/ZT connection down 01 : CS/ZT carrier has no space</p> <p>Ⓤ: 04-15, 20-31: AP No. of CSH</p> <p>Ⓥ: 000-255: CS/ZT No.</p> <p>Ⓦ: Fault Restoration Kind</p> <p>00 : CS/ZT connection returned 01 : CS/ZT carrier has space</p> <p>Ⓧ: AP No. returned to normal condition</p> <p>Ⓐ: CS/ZT No.</p>	
Continued on next page	

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>Ⓑ: Kind of Wireless Synchronization [Series 3600]</p> <p>00 : Master IP-CS 01 : Submaster IP-CS 02 : Slave IP-CS</p> <p>Ⓒ: Terminal Kind</p> <p>0: SMDR 2: PMS 3: OAI [Series 3600]</p> <p>Ⓓ: Terminal No.</p> <p>No. of 0-F allocated to each Terminal Kind</p>	<p>NOTE: <i>The Kind of Wireless Synchronization of TDSW-CS/ZT cannot be displayed. For the TDSW-CS/ZT, FF is displayed.</i></p>
Continued on next page	

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
Ⓔ:	Fault Content/Fault Restoration Content NOTE 1, NOTE 3
Ⓕ:	No. of Sending Same Data (00-FF) NOTE 2
Ⓖ:	No. of Parity Error Detection (00-FF) NOTE 2
Ⓗ:	No. of NAK Reception (00-FF) NOTE 2
Ⓙ:	No. of Sequence No. Error (00-FF) NOTE 2
Ⓝ:	No. of Illegal Text Reception (00-FF) NOTE 2
Ⓚ:	Channel No. (sc-id) [Series 3600] NOTE 3
Ⓛ:	Sending Message No. (invoke-id) [Series 3600] NOTE 3 invoke-id of final sending message when the time-out of health check occurs
Ⓜ:	Receiving Message No. (invoke-id) [Series 3600] NOTE 3 invoke-id of final received message when the time-out of health check occurs
NOTE 1: Ⓔ (Fault Content/Fault Restoration Content) in Fault Kind No. 2C is displayed only when	
Ⓒ (Terminal Kind) is 0 (SMDR) or 3 (OAI).	
NOTE 2: Ⓔ - Ⓝ are displayed only when Ⓒ (Terminal Kind) is 0 (SMDR).	
NOTE 3: Ⓚ - Ⓜ in Fault Kind No. 2C are displayed only when Ⓒ (Terminal Kind) is 3 (OAI).	
Ⓓ - Ⓔ and Ⓚ - Ⓜ in Fault Kind No. 3C are displayed only when Ⓒ (Terminal Kind) is 3 (OAI).	
<p style="text-align: right;">Continued on next page</p>	

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
Ⓝ:	00-63: Location No.
Ⓞ:	00000-49999: No. of times that traffic exceeded the limit bandwidth
Ⓟ:	00000-49999: No. of times that traffic exceeded the warning bandwidth
Ⓠ:	01-30: Remote Site No.
Ⓡ:	File Type
	00: MP program file
Ⓢ:	Executed operation
	00: Download
	01: Changeover
	02: Program version matching
Ⓣ:	Result
	00: OK/Occurred
	01: Interrupted
	02: NG (Other than below)
	03: NG (FTP double open)
	04: NG (File server connection failed/Missing files)
	05: NG (Data transfer error)
	10: Start
NOTE:	<i>When changeover (changeback) is executed, only OK/NG is displayed. Moreover, only when downloading it, 03-05 NG is displayed.</i>
	Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
Ⓚ: Error detail	<p>0001H : (ERR_ETHERNET) Kasago TCP/IP initialization error: TCP</p> <p>0002H : (ERR_INTERFACE) Kasago TCP/IP interface error: Not used</p> <p>0003H : (ERR_MALLOC) No empty area of memory: Service initialization</p> <p>0004H : (ERR_ALREADYOPEN) Already opened: OPEN</p> <p>0005H : (ERR_NOACCEPT) Nonconnection (TCP only): Transmission request</p> <p>0006H : (ERR_NOOPEN) Nonopening: Transmission request</p> <p>0007H : (ERR_NODATA) Type error: ACK_NACK</p> <p>0008H : (ERR_CHANNELFULL) No empty physical port: Not used</p> <p>0009H : (ERR_BADSERIAL) Serial number error (physical port number that is representative Listen Specification Open Serial number: excluding 0 or FFFFH): TCP_OPEN</p> <p>0010H : (ERR_BADSOCKET) Connected Socket descriptor was not able to be received by the response of Accept: ACK_NACK</p> <p>0011H : (ERR_NULLPTR) Pertinent service is unregistered</p> <p>0012H : (ERR_BADPTR) Serial number error (It is larger than physical port number that physical port number of Serial number allocated)</p> <p>0013H : (ERR_USED) FTP/Flash-ROM has already been processing it: FTP's SEND</p> <p>0081H : (TM_EPERM) Operation not permitted</p> <p>0082H : (TM_ENOENT) No such file or directory</p> <p>0085H : (TM_EIO) Input/output error</p> <p>0086H : (TM_ENXIO) Device not configured</p> <p>0089H : (TM_EBADF) Bad file descriptor</p> <p>008CH : (TM_ENOMEM) Cannot allocate memory</p> <p>008DH : (TM_EACCES) Permission denied</p> <p>008EH : (TM_EFAULT) Bad address</p> <p>0096H : (TM_EINVAL) Invalid argument</p> <p>0098H : (TM_EMFILE) Too many open files</p> <p>00A3H : (TM_EWOULDBLOCK) Operation would block (TM_EAGAIN) Resource temporarily unavailable</p> <p>00A4H : (TM_EINPROGRESS) Operation now in progress</p> <p>00A5H : (TM_EALREADY) Operation already in progress</p> <p>00A8H : (TM_MSGSIZE) Message too long</p> <p>00A9H : (TM_EPROTOTYPE) Protocol wrong type for socket</p> <p>00AAH : (TM_ENOPROTOPT) Protocol not available</p> <p style="text-align: right;">Continued on next page</p>

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
00ABH:	(TM_EPROTONOSUPPORT) Protocol not supported
00ADH:	(TM_EOPNOTSUPP) Operation not supported
00AEH:	(TM_EPFNOSUPPORT) Protocol family not supported
00B0H :	(TM_EADDRINUSE) Address already in use
00B1H :	(TM_EADDRNOTAVAIL) Cannot assign requested address
00B2H :	(TM_ENETDOWN) Network is down
00B7H :	(TM_ENOBUFS) No buffer space available
00B8H :	(TM_EISCONN) Socket is already connected
00B9H :	(TM_ENOTCONN) Socket is not connected
00BAH:	(TM_ESHUTDOWN) Cannot send after socket shutdown
00BCH:	(TM_ETIMEDOUT) Operation timed out
00BDH:	(TM_ECONNREFUSED) Connection refused
00C0H :	(TM_EHOSTDOWN) Host is down
00C1H :	(TM_EHOSTUNREACH) No route to host
00E5H :	(TM_ENOTLOGIN) Command requires user to be logged in, and user is not.
1FB8H :	(TM_FTP_SERVREADY) Service ready in nnn minutes
1FBDH:	(TM_FTP_XFERSTART) Data connection already open; transfer starting
1FD6H:	(TM_FTP_FILEOKAY) File status okay; about to open data connection
208BH :	(TM_FTP_NEEDPASS) User name okay, need password
208CH :	(TM_FTP_NEEDACCTLOGIN) Need account for login
20E5H :	(TM_FTP_SERVNAVAIL) Service not available, closing TELNET connection
20E9H :	(TM_FTP_DATAOPEN) Cannot open data connection
20EAH:	(TM_FTP_XFERABOR) Connection trouble, closed; transfer aborted
2102H :	(TM_FTP_FILENAVAIL) Requested file action not taken: file unavailable
2103H :	(TM_FTP_LOCALERR) Requested action aborted: local error in processing
2104H :	(TM_FTP_NOSPACE) Requested action not taken: insufficient storage
2134H :	(TM_FTP_SYNTAXCMD) Syntax error, command unrecognized
2135H :	(TM_FTP_SYNTAXARG) Syntax error in parameters or arguments
2136H :	(TM_FTP_NOCMD) Command not implemented
2137H :	(TM_FTP_BADCMDSEQ) Bad sequence of commands
2138H :	(TM_FTP_NOCMDPARAM) Command not implemented for that parameter
2152H :	(TM_FTP_NOTLOGIN) Not logged in
2154H :	(TM_FTP_NEEDACCTFILE) Need account for storing files
2166H :	(TM_FTP_NAVAIL) Requested action not taken: file unavailable
2168H :	(TM_FTP_EXSPACE) Requested action not taken: exceeded storage

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
	<p>2169H : (TM_FTP_FILENAME) Requested action not taken: file name not allowed</p> <p>8001H : Memory Size error</p> <p>8002H : PDL Header error</p> <p>8003H : PDL record checksum error</p> <p>8004H : PDL LM1 record compression development error</p> <p>8005H : PDL LM1 record checksum error</p> <p>8006H : PDL LM address error</p> <p>8007H : Last record was not received</p> <p>8008H : Read error</p> <p>8064H : Flash-ROM access error (Deletion and writing end with TMO)</p> <p>8065H : Flash-ROM type/address error</p> <p>806EH : PDL checksum error</p>
	<p>NOTE: <i>00XX causes an error. It occurs between MP card and API interface (System call).</i></p> <p><i>80XX causes an error. It occurs by the FTP (FTP response number + 8000).</i></p>
	<p style="text-align: right;">Continued on next page</p>

COMMAND CODE		TITLE:			
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS			
Ⓥ:	Component Kind	See table below.			
Ⓦ:	Component No.				
Ⓧ:	Reset Factor				
Component Kind Ⓥ		Component No. Ⓦ		Reset Factor Ⓧ	
00	D ^{term} 85 (Series i) (IP Bundled Type/ IP Adapter Type)/ D ^{term} SP30 NOTE	000-063	Virtual PIM Port number	01	Self Reset: Before the registration/ Before DRS01 (required an initial setting)
				02	Self Reset: During the registration/ Before DRS03 (con- firmed a reply of signal pass setting)
				03	Self Reset: After the registration/ During an initial setting
				04	Self Reset: Call processing
				06	Self Reset: Diagnostic command unreceived/KeepAlive NG
				07	Soft reset receiving
				08	DHCP invalid
				09	Configuration mode finish (D ^{term} 85 (Series i) (IP Bundled Type) only)
				0A	Reset statement from PROTIMS (D ^{term} 85 (Series i) (IP Bundled Type) only)

Continued on next page

COMMAND CODE		TITLE:			
EA		FAULT INFORMATION STORE/DISPLAY FUNCTIONS			
Component Kind Ⓥ		Component No. Ⓜ		Reset Factor ⓧ	
01	IP-PAD NOTE	00-31	LAN interface number	01	COP Reset
				04	IP-PAD Initial (Make Busy ON/OFF for IP-PAD card)
				08	FP Initial (an initializing of FP mounting IP-PAD)
				0A	FP Initial (an initializing of FP mounting IP-PAD)
02	IP-CS NOTE	000-255	CS number	01	Self Reset: Before the registration/ Before DRS01 (required an initial setting)
				02	Self Reset: During the registration/ Before DRS03 (confirmed a reply of signal pass setting)
				03	Self Reset: After the registration/ During an initial setting
				04	Self Reset: Call processing
				06	Self Reset: Diagnostic command unreceived/KeepAlive NG
				07	Soft reset receiving
				08	DHCP invalid

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

NOTE: *Terminals/cards and available firmware versions that enable to store/display fault information are as follows.*

Terminals/Cards		Available: × Not available: –	Firmware Version
Terminals	D ^{term} 85 (Series i) (IP Adapter Type)	×	Ver. 2.80 or later
	D ^{term} 85 (Series i) (IP Bundled Type) NOTE	×	Ver. 2.80 or later
	D ^{term} IP INASET (ITR-240G-1)	×	E0 2.80 or later
	D ^{term} SP30	×	F Ver. 7.3.0.0 or later
	IP-CS	×	SP-3375 8A or later
	D ^{term} 75 (Series E) (IP Adapter Type)	–	
	D ^{term} IP INASET (ITR-LC-1)	–	
	D ^{term} SP20	–	
Cards	PN-8IPLA (IP-PAD)	×	SC-3386 IPS IPADT PROG-C1 or later
	PN-32IPLA/PN-32IPLA-A (IP-PAD)	–	
	PN-8IPTA (SIP)	–	
	PN-IPTB (IPT)	–	

NOTE: *Fault information store/display is not available for the following D^{term}85 (Series i) (IP Bundled Type). But it will be available when the new firmware is installed.*

- ITR-8D-2 (BK/WH) TEL (Available when firmware of ITR-8D-3 (BK/WH) TEL is installed)
- ITR-16D-2 (BK/WH) TEL (Available when firmware of ITR-16D-3 (BK/WH) TEL is installed)
- ITR-8D-2A (BK/WH) TEL (Available when firmware of ITR-8D-3A (BK/WH) TEL is installed)
- ITR-16D-2A (BK/WH) TEL (Available when firmware of ITR-16D-3A (BK/WH) TEL is installed)
- ITR-8D-2U (BK/WH) TEL (Available when firmware of ITR-8D-3 (BK/WH) TEL is installed)
- ITR-16D-2U (BK/WH) TEL (Available when firmware of ITR-16D-3 (BK/WH) TEL is installed)

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>Ⓨ: Reset Time</p> <p>01-12: Month 01-30: Date 01-24: Hour 00-59: Minute 00-59: Second</p> <p>Ⓩ: Trunk No. (000-511): 00 80 (Trunk No. 000) - FF81 (Trunk No. 511) [Hexadecimal display] Although Trunk No. is displayed by hexadecimal (XX 8X), information-1 (XX) implies lower 2 digits of the Trunk No., and lower X of information-2 (8X) implies first digit of the Trunk No. (XXX). (example: in case Trunk No. is 001, 0180 is displayed.)</p> <p>ⓐⓐ: Connection Status 1: Call from a station 2: Termination to a station 3: Call with tandem connection 4: Termination with tandem connection</p> <p>ⓑⓑ: Connecting Terminal Information When a station line is connected to the terminal (Connection Status=1/2): X-XXXXXXXX (Station No.) [Decimal display] When a trunk line is connected to the terminal (Connection Status=3/4): Display the Route No. (00-63) + Trunk No. (000-511). Route No.: 00 (Route No. 00) - 3F (Route No. 63) [Hexadecimal display] Trunk No.: same as Ⓩ (example: in case Route No. is 11 and Trunk No. is 020, "0B 14 80" is displayed.)</p> <p>ⓒⓒ: Called Party No. For outgoing call (Connection Status=1): X-XXXXXXXX (Dial No. [12 digits maximum]) [Decimal display] For incoming call (Connection Status=2): X-XXXXXXXX (Calling Party No. [12 digits maximum]) [Decimal display]</p>	

COMMAND CODE	TITLE:
EC	MAINTENANCE BY MAT/CAT
<p>FUNCTION:</p> <p>This command is used for maintenance of the PBX. The functions of this command are outlined below:</p> <ul style="list-style-type: none"> • Battery release • Line status display for single line telephone or D^{term} • VMS Soft Key data download • Office data copy for Backup CPU system • System data backup/SDRAM data clear • Office data copy from the Main site to Remote site 	
<p>PRECAUTION:</p> <ol style="list-style-type: none"> (1) See Line Status Display/VMS Soft Key Data Download 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. (4) VMS Soft Key data all clear must be executed in off-line. 	
<p>ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + ECY + DE + ^{1ST DATA} (1-8 digits) + DE + ^{2ND DATA} (1-3 digits) + EXE </p>	

COMMAND CODE	TITLE: MAINTENANCE BY MAT/CAT
EC	

DATA TABLE:

Battery Release/Line Status Display

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Battery release	00	–	0 1◀	Battery released Normal operating	
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 EC1>
 X-XXXXXXXX + DE XXXXXXXX : XX XX XX
 (Station No.)

(a)
(b)
(c)
(d)

- (a) Station No.: X-XXXXXXXX (1-8 digits)
- (b) Analog Line/Digital Line
 - 00: LC (Single Line Tel.)
 - 10: DLC (D^{term})
 - 20: D^{term}IP **[Series 3400]**

COMMAND CODE		TITLE:	
EC		MAINTENANCE BY MAT/CAT	
(c) Hardware Test			
INDICATION	STATUS OF SINGLE LINE TEL.	STATUS OF D ^{term}	STATUS OF D ^{termIP}
00	Terminal is not connected	Terminal is not connected or tip wire is grounded	Terminal is not connected
01	Terminal is connected	Terminal is connected	Terminal is connected
02	Loop (Short circuit is made on the line)	Short circuit is made on the line	
03	Ring wire is grounded	Ring wire is grounded	
04	LC card is not mounted	DLC card is not mounted	
05	Test busy	Terminal failure	
06	–	DLC card down	
07	–	–	
08	–	Line failure detect	
(d) Software Test			
01	: Idle		
02	: Line Lockout		
Other than 01, 02: Busy			

COMMAND CODE	TITLE:
EC	MAINTENANCE BY MAT/CAT

VMS Soft Key Data Download

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
4	VMS Soft Key data download from VMS	X ? XXXXXXXX	VMS Station No.	FF	Download the VMS Soft Key data	
				00	Return to the condition before the data is downloaded	
				CCC OFF LINE	VMS Soft Key data all clear	
	VMS Soft Key data download status display [See VMS Soft Key Data Download Status Display Operation]	X ? XXXXXXXX	VMS Station No.	-	-	

VMS Soft Key Data Download Status Display Operation:

```

          ST COMMAND=
    EC4 + DE EC4>
    X-XXXXXXXX + DE XXXXXXXX : XX
                (a)   (b)
    
```

- (a) VMS Station No.: X-XXXXXXXX (1-8 digits)
- (b) Status
 - 00: Download is finished
 - 01: Now requesting download
 - 02: Now downloading
 - 03: Now waiting download
 - FF: Soft Key data is not downloaded

COMMAND CODE	TITLE:
EC	MAINTENANCE BY MAT/CAT

Office Data Copy for Backup CPU System [Series 3200 R6.1 (R6.1)]

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
5	Manual office data copy for Backup CPU system	0	All office data copy from active MP to stand by MP	0 1 3◀	Start to copy Now copying Stand by	CM43 Y=4

NOTE 1

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	CM43 Y=5

NOTE 1

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 90 seconds on On-line mode, or about 1 minute on Off-line mode. While saving the system data to flash memory, “SYSD” lamp on the MP card flashes.

NOTE 3: Do not turn off or reset the system while “SYSD” lamp on the MP card is flashing.

SDRAM Data Clear [Series 3100]

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
7	SDRAM Data Clear (OFF LINE)	00	ID registration for D ^{term} IP in Automatic Login Mode all clear	CCC	Clear	

NOTE 4

NOTE 4: Execute the system data backup by CMEC Y=6>0:0 after this data clear.

COMMAND CODE	TITLE:
EC	MAINTENANCE BY MAT/CAT

Office Data Copy [Series 3200 R6.2 (R6.2)]

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
8	Office data copy from the Main site to Remote sites	00 01 2 30	All Remote site Remote site No. 01 2 Remote site No. 30	0 1 3◀	Start to copy office data Now copying/ Office data copy state can be read Stand by/Office data copy state can be read	CM43 Y=7

NOTE 5

NOTE 5: You can assign only “0” to the second data. “1” is displayed as the second data while the office data being copied.

Day Mode/Night Mode Apply [Series 3700 R12.2]

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
9	Applying Day Mode/Night Mode to all D ^{term} s	0	Day Mode/Night Mode applying	0 1 3◀	Start to apply Now applying Stand by	CM08>577 CM12 Y=04

NOTE 6

NOTE 6: When the setting of CM08>577 is changed, or when the station tenant number of My Line is changed by CM12 Y=04, set the second data to 0 (Start to apply) to apply Day Mode/Night Mode to all D^{term}s.

COMMAND CODE	TITLE:
F0, F1	MP MEMORY DUMP MP MEMORY READ/WRITE

FUNCTION:

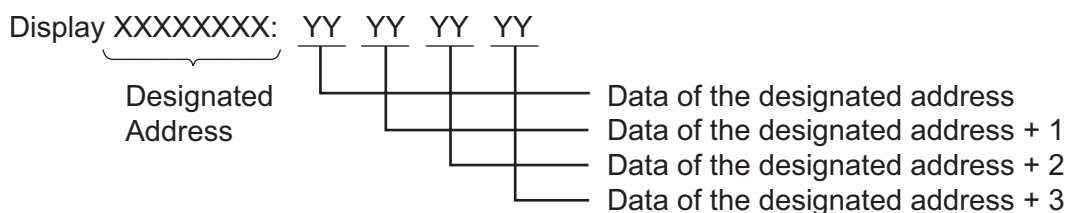
These commands are used only for maintenance.
DO NOT USE these commands without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

CMF0: MP Memory Dump

[ST] + F0 + [DE] + $\sqrt{\frac{ZXXXXXXXX}{\text{Address}}}$ + [DE]

Z : 0-F (Segment)
XXXXXXXX: 00000000-FFFFFFFF (Address)



YY: 00-FF (Data)

NOTE: This command is used only for memory display and cannot be used for memory changing.

CMF1: MP Memory Read/Write **NOTE**

[ST] + F1 + [DE] + $\sqrt{\frac{ZXXXXXXXX}{\text{Address}}}$ + [DE] + XX + [EXE]

Z : 0-F (Segment)
XXXXXXXX: 00000000-FFFFFFFF (Address)

New Data

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:				
<p>This command is used only for maintenance. DO NOT USE this command without the assistance of a NEC engineer.</p>				
ASSIGNMENT PROCEDURE:				
$\boxed{ST} + F5Y + \boxed{DE} + 1ST\ DATA + \boxed{DE}$				
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 ∟ fXXXXXXXX	f=Status Memory Block number (0-3) D ^{term} number <X-XXXXXXXX> represents My Line number		
	fD000 ∟ fD255	f=Status Memory Block number (0-3) Trunk number		
	fEEX ∟ fEEXXXXXXXXX	f=Status Memory Block number (0-3) PS Line station number <X-XXXXXXXX>		
	fEFX + ∟ + B ∟ fEFXXXXXXXX + ∟ + B	f=Status Memory Block number (0-3) ISDN Line station number <X-XXXXXXXX> B=B channel number (0/1)		
1	XY Y	LEN X=PIM number (0-7) YY= Port number (00-63)	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: PIM number (0-7) + Port number (00-63)	
	FX ? FXXXXXXXX	D ^{term} number <X-XXXXXXXX> represents My Line number	LEN: PIM number (0-7) + Port number (00-63)	
	D000 ? D255	Trunk number		
	EFX ? EFXXXXXXXX	ISDN Line station number <X-XXXXXXXX>		
3	0000 ?	Memory Designation	Memory dump data	
	0713 0841 0843 0845 ? 0899	Main Site [Series 3500] Remote Site 01 [Series 3700 R12.2] Remote Site 02 Remote Site 03 ? Remote Site 30	XXXXXXXX: The executed results of the latest MP program downloading next block pointer (1 byte) of result memory	
	0714 0842 0844 0846 ? 0900	Main Site [Series 3500] Remote Site 01 [Series 3700 R12.2] Remote Site 02 Remote Site 03 ? Remote Site 30	XXXXXXXX: The latest 32 results of MP program download (file type, Executed operation, Result, Execution time) (16 byte × 32 blocks)	CM0C Y=52 >XX05
	0901	Readout the Remote Site status [Series 3500]	00 : Download 01 : Changeover 02 : Program version matching FF : Not used NOTE: <i>This command is available only at Main Site.</i>	

Continued on next page

COMMAND CODE	TITLE: LINE/TRUNK MEMORY/ALARM MEMORY READ
F5	

Y	1ST DATA	READOUT DATA (STATUS INFORMATION)	REMARKS
4	0000 ∟ FFFF	EN	YY + [] XXXXXXXX + [] B YY: 00=LEN (D ^{term} /Single Line station) 01=VEN (Virtual Line station/D ^{term}) 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: D ^{term} 3: Virtual Line station
6	X ∟ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X=0-9, A (*), B (#)	STS, OP-0, OP-1, IP, LEN, SND, OPT
	FX ∟ FXXXXXXXX	D ^{term} number <X-XXXXXXXX> represent My Line number	STS, OP-0, OP-1, IP, LEN, OPT
	D000 ∟ D255	Trunk number	STS, OP-0, OP-1, MR, LEN, SND, OPT

Continued on next page

COMMAND CODE	TITLE: LINE/TRUNK MEMORY/ALARM MEMORY READ
F5	

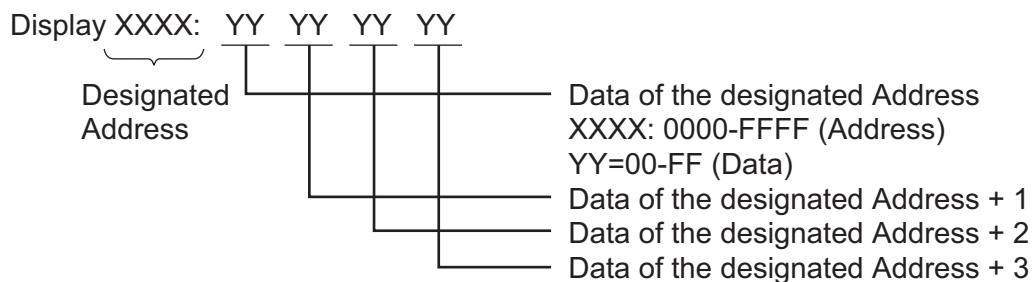
Y	1ST DATA	READOUT DATA (STATUS INFORMATION)	REMARKS
8	X ? XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X=0-9, A (*), B (#)	Service feature memory dump data of station/trunk
	FX ? XXXXXXXXXX	D ^{term} number <X-XXXXXXXX> represent My Line number	
	EFX + [] + B ? EFXXXXXXXX + [] + B	ISDN Line station number <X-XXXXXXXX> B channel number (0/1)	
	D000 ? D255	Trunk number	
9	X ? XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X=0-9, A (*), B (#)	LEN: Single Line station/D ^{term}
			LEN: Single Line station/D ^{term} VEN: Virtual Line station/D ^{term}
			VEN: Virtual Line station/D ^{term}
			DEN: Data Line station
			IEN: ISDN Line station
			IVEN: ISDN Line station (multi point)
			PEN: PS Line station

Continued on next page

COMMAND CODE	TITLE: LINE/TRUNK MEMORY/ALARM MEMORY READ
F5	

Y	1ST DATA	READOUT DATA (STATUS INFORMATION)	REMARKS
A	EEX ∟ EEXXXXXXXXX	PS Line station number <X-XXXXXXXX>	Optional memory dump data of station/trunk
	EFX + + B ∟ EFXXXXXXXX + + B	ISDN Line station number <X-XXXXXXXX> B channel number (0/1)	
	D000 ∟ D255	Trunk number	

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 Maintenance Manual.



NOTE 2: Status information associated with CMF5 Y=2 will be displayed as shown below.

Display F52 > X-XXXX : YYYY- /ZZZZ-
 or
 F52 > FX-FXXXX : YYYY-
 or
 F52 > D000-D255: YYYY-
 YYYY: 0000-0763 (LEN)
 ZZZZ : 0000-0255 (Virtual LEN)

COMMAND CODE	TITLE:
F6	ONLINE 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 (1-8 digits) + EXE

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	MP-FP command output setting	00	Command Code	00 ? FE NONE◀	Command code to be output Output all command codes
		01	FP/AP Number	00 ? 63 NONE◀	FP/AP number to be output Output all FP/AP numbers
		02	FPORT Number	000 ? 254 NONE◀	FPORT number to be output Output all FPORT numbers
		03	IN/OUT command setting	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
		04	Specification of displayed terminal [Series 3400 software or later]	0 1◀	Other than MATWorX MATWorX
NOTE: When using the communication software, set the second data to 0.					

Continued on next page

COMMAND CODE		TITLE:				
F6		ONLINE MP-FP COMMAND OUTPUT				
◀: Initial Data						
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	MP-FP command output setting	06	Whether to insert a line feed or not	0	Inserted after each command	
				1◀	Not inserted after each command	
		NOTE: When executing command output in online mode (SW3 of MP card set to 0), regardless of second data setting, insert a line feed for each command.				
		07	Minute/Second indication	0	Add Minute/Second indication to the header	NOTE
				1◀	Not added Minute/Second indication to the header	
		NOTE: This command is effective when 2nd data of CMF6 Y=2>06 is set to 0.				
		10	Command Code	00	Command code to be output	
		11		?		
		12		NONE◀	Output all command codes	
		20	FP/AP Number	00	FP/AP Number to be output	
21	?					
22	NONE◀	Output all FP/AP numbers				

Continued on next page

COMMAND CODE		TITLE:			
F6		ONLINE MP-FP COMMAND OUTPUT			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	MP-FP command output setting	30	Specification of particular data for command code of CMF6 Y=2>00 [Series 3700 R12.2 or later]	XXX ZZ NONE◀	XXX: Byte location of command data (000-254) ZZ : Byte Data (00-FF) No data
		<p>NOTE 1: This command is effective only when the command codes (00-FE) to be output by CMF6 Y=2>00 is set.</p> <p>NOTE 2: When setting this data, only the command of YY is output by XXXth byte of MP-FP command.</p>			
		31	Specification of particular data for command code of CMF6 Y=2>10 [Series 3700 R12.2 or later]	XXX ZZ NONE◀	XXX: Byte location of command data (000-254) ZZ : Byte Data (00-FF) No data
		<p>NOTE 1: This command is effective only when the command codes (00-FE) to be output by CMF6 Y=2>10 is set.</p> <p>NOTE 2: When setting this data, only the command of YY is output by XXXth byte of MP-FP command.</p>			
		32	Specification of particular data for command code of CMF6 Y=2>11 [Series 3700 R12.2 or later]	XXX ZZ NONE◀	XXX: Byte location of command data (000-254) ZZ : Byte Data (00-FF) No data
		<p>NOTE 1: This command is effective only when the command codes (00-FE) to be output by CMF6 Y=2>11 is set.</p> <p>NOTE 2: When setting this data, only the command of YY is output by XXXth byte of MP-FP command.</p>			

Continued on next page

COMMAND CODE		TITLE:				
F6		ONLINE MP-FP COMMAND OUTPUT				
Y		1ST DATA		2ND DATA		
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	MP-FP command output setting	33	Specification of particular data for command code of CMF6 Y=2>12 [Series 3700 R12.2 or later]	XXX ZZ NONE◀	XXX: Byte location of command data (000-254) ZZ : Byte Data (00-FF) No data	
		<p>NOTE 1: This command is effective only when the command codes (00-FE) to be output by CMF6 Y=2>12 is set.</p> <p>NOTE 2: When setting this data, only the command of YY is output by XXXth byte of MP-FP command.</p>				
		40	Status Output	X ? XXXXX XXX or DXXX NONE◀	Station number Trunk number (XXX: 000-255) No data	
		99	Displaying the stored data in command buffer/clearance of the stored data in command buffer	0 1 CCC	No stored data Stored data remains Clear the buffer	

COMMAND CODE	TITLE:		
F7	FP/AP HIGHWAY CHANNEL MEMORY READ		
FUNCTION:			
This command is used only for maintenance. DO NOT USE this command without the assistance of a NEC engineer.			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}}$ + F7Y + $\boxed{\text{DE}}$ + 1ST DATA (1-4 digits) + $\boxed{\text{DE}}$			
DATA TABLE:			
Y	1ST DATA	READOUT DATA	REMARKS
0	LEN: 000-763 (PIM No. 0-7 + Port No. 00-63)	AA BB CC DDD AA : Path Mode 00: Voice only 01: Voice + 2nd voice 02: Voice + Data 03: Voice + Data 2nd voice BB : Number of channel (01-08) CC : Highway No. (00-07) DDD: Highway Channel No. (000-127)	
1	XX ZZZ XX : AP No. (04-15, 20-31) ZZZ: Circuit No. of AP card	00 BB CC DDD BB : Number of channel (01-08) CC : Highway No. (00-07) DDD: Highway Channel No. (000-127)	

COMMAND CODE	TITLE:
F8	SERIAL No./ID CODE/PROGRAM REVISION READ

FUNCTION:

This command is used to assign the ID code to protect a copy of the Key FD and to read a program revision. DO NOT USE this command without the assistance of a NEC engineer.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + F8Y + [DE] + 1ST DATA (1-4 digits) + [DE] + 2ND DATA (1-30 digits) + [EXE]

DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Display of Serial number [North America Only]	00 01-16	MP Serial No. Key FD Serial No.	X...X NONE◀	Serial No. (Maximum 15 digits) X: ASCII Code (20H-7DH) No data
3	ID Code for Key FD [North America Only]	0	ID Code Entry/Display/Cancel NOTE 1 INITIAL	X...X CCC NONE◀	ID Code (30 digits) X=0-9 Cancel No data
		1	Special ID Code Entry NOTE 2 INITIAL	4320	–
			Display of remaining time for Special ID Code	0 ? 7200	0 minute ? 7200 minutes (5 days)
		2	Display of Validity/Invalidity for entered ID Code	0 1 2 NONE◀	Valid ID Code just entered Invalid ID Code not entered

Continued on next page

COMMAND CODE		TITLE:			
F8		SERIAL No./ID CODE/PROGRAM REVISION READ			
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5	MP/AP Program Revision Read	XX01	XX XX D0-DF: LAN Interface No. 00-15 of IP-PAD/SIP card	4353	Start Code (Fixed Code)
		XX02	E0-EF : LAN Interface No.16-31 of IP-PAD/SIP card	XXXX	SC Number of Program Name
		XX03	FD : Upgraded side of MP card [Series 3500]	XX	Official Version
		XX04	FE : Outdated side of MP card [Series 3500]	XXXX	Official Revision (Integral number)
		XX05	FF : ACT program of MP card XX : AP No. (04-15, 20-31) 01-05 : Operating procedure	XX	Official Revision (Decimal point below)
Do the following operation to read out of the program version.					
Example: When reading out the program version of IP-PAD					
	<u>Operation</u>		<u>Display</u>		
	ST		COMMAND=		
	F85 + DE		F85>		
	D001 + DE		F85>D001: 4353 (Start Code [Fixed Code])		
	S		F85>D002: 3353 (SC Number of Program Name)		
	S		F85>D003: A1 (Official Version)		
	S		F85>D004: 0001 (Official Revision [Integral number])		
	S		F85>D005: 00 (Official Revision [Decimal point below])		
NOTE 1: The ID code informed from the Registration Server is automatically registered from MAT-WorX. [North America Only]					
NOTE 2: The Special ID Code can be entered when the System ID code is not available due to trouble with the Registration Server. The Special ID code is effective for 5 days (7200 minutes). If the exact ID code is not entered within 5 days as the Special ID Code, you will be restricted for MAT/CAT operation. [North America Only]					

COMMAND CODE		TITLE:			
FA		D^{term}IP APPARATUS INFORMATION			
FUNCTION:					
This command is used to read the apparatus information of D ^{term} IP.					
PRECAUTION:					
None					
ASSIGNMENT PROCEDURE:					
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> ST + FAYY + <div style="border: 1px solid black; padding: 2px;">DE</div> + 1ST DATA (1-8 digits) + <div style="border: 1px solid black; padding: 2px;">DE</div> </div>					
DATA TABLE:					
					◀: Initial Data
Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Read the D ^{term} IP firmware information [Series 3200 R6.1 (R6.1)]	X ? XXXXXXXXXX	D ^{term} IP Station No.	XXXX YY ZZ	XXXX: SP No. YY : Integral No. of firmware version ZZ : Two decimals No. of firmware version
01	Read the D ^{term} IP type [Series 3200 R6.1 (R6.1)]	X ? XXXXXXXXXX	D ^{term} IP Station No.	00 03 05 FF NONE◀	D ^{term} IP (IP Adapter Type) /D ^{term} 75 (D ^{term} Series E) with IP adapter D ^{term} 85 (D ^{term} Series i) with IP adapter D ^{term} IP (IP Bundled Type) The terminal is not IP terminal D ^{term} IP is logout status
02	Read the D ^{term} IP status [Series 3700 R12.2]	X ? XXXXXXXXXX	D ^{term} IP Station No.	XX...X Z FF NONE◀	XX...X: IP Address of D ^{term} IP Z : D ^{term} IP status A: Busy N: Idle The terminal is not D ^{term} IP D ^{term} IP is logout status/D ^{term} IP has never been busy

Continued on next page

COMMAND CODE	TITLE:
FA	D^{term}IP APPARATUS INFORMATION

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
20	Execution of ping command sending [Series 3600]	00001000000001 ? 00255255255254	00 + Sending destination IP address	001000000000: X ? 255255255254: X	Sending destination IP address X: ICMP TYPE (0/3/11/12)

ICMP TYPE used in this feature is as follows.

ICMP TYPE	CLASSIFICATION	GENERAL DESCRIPTION	MEANING
0	Reply	Reply to the echo request by executing the ping command (echo reply)	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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 2 • Communication administratively prohibited by filtering • Host precedence violation • Precedence cutoff in effect
8	Request	Request by executing the ping command (echo request)	<ul style="list-style-type: none"> • Ping request
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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • IP header abnormal • Required options are unknown.

Continued on next page

COMMAND CODE	TITLE:
FA	D^{term}IP APPARATUS INFORMATION

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
20	<ul style="list-style-type: none"> By sending ICMP TYPE=8 (ping request) to the destination terminal, you ask whether the terminal is correctly connected/set or not. 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. <p>NOTE 1: If ICMP TYPE not listed above is received, "HARDWARE ERROR" is displayed.</p> <p>NOTE 2: 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.</p>				
30	Read the D ^{term} IP Station number registered in Fixed Connection Mode [Series 3700 R12.2]	000 2 255	Block No.	X 2 XXXXXXXX CCC NONE ◀	D ^{term} IP Station No. Clear No data
	<p>NOTE 1: The station number for Fixed Connection Mode registered by CM12 Y=92 is read by this command.</p> <p>NOTE 2: When the 2nd data is set to "CCC", the MAC Address of the appropriate D^{term}IP registered by CM12 Y=92 is cleared.</p>				
50	Read the D ^{term} IP firmware's status of automatic update [Series 3200 R6.1 (R6.1)]	00	Status of auto-matic update NOTE	00 01 10	Not started Now updating Completed
		01	Number of terminal that succeeded in updating	XXX	Number of succeeded terminal
		02	Number of terminal that failed in updating	XXX	Number of failed terminal

NOTE: 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			
FUNCTION:					
<p>This command is used only for maintenance. DO NOT USE this command without the assistance of a NEC engineer. [Series 3700 R12.2]</p>					
ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + \text{FBYY} + \boxed{\text{DE}} + \text{1ST DATA (4 digits)} + \boxed{\text{DE}}$					
DATA TABLE:					
Y	1ST DATA			READOUT DATA	
No.	DATA	MEANING		DATA	MEANING
00	XX YY	XX: Site No. 00: Main Site 01-30: Remote Site No. YY: MP program information 02: SC No. 07: Year 08: Month 09: Day 21: Upgraded side of MP card: Keyword 22: Upgraded side of MP card: SC No. 23: Upgraded side of MP card: Official Version 24: Upgraded side of MP card: Official Revision 25: Upgraded side of MP card: Official Revision (A decimal point below) 26: Upgraded side of MP card: Patch 27: Upgraded side of MP card: Year 28: Upgraded side of MP card: Month 29: Upgraded side of MP card: Day 41: Outdated side of MP card: Keyword 42: Outdated side of MP card: SC No. 43: Outdated side of MP card: Official Version 44: Outdated side of MP card: Official Revision 45: Outdated side of MP card: Official Revision (A decimal point below) 46: Outdated side of MP card: Patch 47: Outdated side of MP card: Year 48: Outdated side of MP card: Month 49: Outdated side of MP card: Day		XX or XXXX	Revision Table

COMMAND CODE		TITLE:	
D000		SMDR/CIS/PMS FUNCTIONS (1)	
FUNCTION:			
This command is used to assign the Station Message Detail Recording (SMDR), Call Information System (CIS), and Property Management System (PMS) functions.			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{D000} + \boxed{\text{DE}} + \text{1ST DATA (1-3 digits)} + \boxed{\text{DE}} + \text{2ND DATA (0/1)} + \boxed{\text{EXE}}$			
DATA TABLE:			
1ST DATA: 2-88			
			◀: Initial Data
1ST DATA		2ND DATA	
DATA	FUNCTION		
2	Language of the messages to be printed out	0 : Japanese 1◀: English	
3	Monetary unit of the bill to be displayed	0 : YEN (XXX, XXX) 1◀: \$ (¢) (XXXX. XX)	
5	By operation for Call Record printout shown below, only the totaled bill is printed out without printing the individual data. Operation for Audit Printout: $\boxed{\text{PRT}} + \boxed{\text{CR}} + \boxed{\text{DET}} + \boxed{\text{GRT}} + 900 + \boxed{\text{RESET}}$ Operation for Interim Printout: $\boxed{\text{PRT}} + \boxed{\text{CR}} + \boxed{\text{DET}} + \boxed{\text{GRT}} + 900 + \boxed{\text{SET}}$	0◀: Not available 1 : Available	
7	In printout of totaled bill for individual station, the station numbers of the station of which amount of bill is \$0.00 is printed.	0◀: YES 1 : NO	
8	In printout of call record for individual station, the station number of the stations of which amount of bill is \$0.00 are printed.	0◀: YES 1 : NO	

Continued on next page

COMMAND CODE		TITLE:
D000		SMDR/CIS/PMS FUNCTIONS (1)
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
9	In printout of totaled bill for station groups, the station number of the station of which amount of bill is \$0.00 are printed.	0◀: YES 1 : NO
10	In printout of call record for station groups, the station numbers of the station of which amount of bill is \$0.00 are printed.	0◀: YES 1 : NO
11	By Check In operation ([CHECK IN] + Station No. + [SET]), check in time information is printed.	0◀: Not available 1 : Available
12	In printout of call record, serial number is printed.	0◀: NO 1 : YES
13	In immediate printout of call record, serial number is printed.	0◀: NO 1 : YES
15	In Immediate Printout Memory has overflowed, the following message is printout. <div style="text-align: center;"> ** _____ ** 2002 10/15 10: 14 TUE BUFFER MEMORY EVACUATION ** _____ ** </div>	0◀: NO 1 : YES
16	Operation for displaying the totaled call charge of call records on each station: ([CR] + [DET] + STA. No. + [SET] / [RESET])	0◀: Not available 1 : Available
17	Stations of which information can be displayed or printed by Front Desk Terminal (FDT) In case 2 sets of FDT are installed in the system, the following stations are allocated to each of the FDT by setting "1" for the 2nd data. <ul style="list-style-type: none"> • No. 0 FDT: Stations belong to Large Group 300-303 • No. 1 FDT: Stations belong to Large Group 304-307 	0◀: All stations 1 : Designated stations only


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COMMAND CODE		TITLE:	
D000		SMDR/CIS/PMS FUNCTIONS (1)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
35	In printout of long-time call, detailed information of call records is printed out. NOTE: <i>The printout of long-time call is assigned by CMD001>10.</i>  See CMD001>10	0◀: NO 1 : YES	
36	Call Duration is printed out in each call record	0◀: YES 1 : NO	
37	In printout of call record, “T” is printed beside the transferred station number.	0◀: YES 1 : NO	
41	Action when the memory for SMDR has overflowed	0◀: No new data is stored 1 : New data is stored by deleting the oldest data	
60	Contents of dial information to be sent out to SMDR NOTE: <i>Access code is assigned by CM35 Y=44.</i>	0◀: Only the called party’s number is sent out (The access code is not included) 1 : All the dial information inclusive of the access code is sent out	
61	In Call Record print, the access code dialed is added.	0◀: NO 1 : YES	
64	In Call Record print, Account Code is printed out.	0◀: NO 1 : YES	
66	Print queuing is provided by the printout operation during printer busy, off-line or short of paper.	0◀: Not provided (Error indication) 1 : To provide	
68	Send ISDN call charge information (AOC) to SMDR with NEAX 2400 IMS format [Australia/France]	0◀: Not sent 1 : To send	
69	Change Guest Name by room change message from PMS	0◀: Not available 1 : Available	

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (1)
D000	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
70	SMDR service for incoming call	0◀: Effective only for incoming calls with Account Code entered 1 : Effective for all incoming calls
71	Add the first fixed digit to the last 4 digits of 5-digit station number on SMDR output  See CMD000>252 , CMD001>189	0◀: Not add 1 : To add
72	Authorization Code is printed out	0◀: NO 1 : YES
76	Send detail information for tandem calls to SMDR for Centralized Billing-CCIS	0◀: Not sent 1 : To send
77	Send detail information of Tandem calls to SMDR which is set to "4" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
78	Send detail information of Tandem calls to SMDR which is set to "5" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
79	Contents of Tandem call information to be sent out to CCIS or SMDR Terminal	0◀: Only outgoing call information 1 : Both outgoing and incoming call information
87	Send Check Out complete message to PMS when PBX receives Check Out message from PMS	0◀: Not sent 1 : To send
88	Send message to PMS, if a checked out station is originating a C.O. call.	0◀: Not sent 1 : To send

Continued on next page

COMMAND CODE	TITLE:
D000	SMDR/CIS/PMS FUNCTIONS (1)

1ST DATA: 100-176

◀: Initial Data


1ST DATA		2ND DATA
DATA	FUNCTION	
100 NOTE 1	In printout of totaled bill/call record, a new page starts on each Small Group. NOTE 2	0◀: NO 1 : YES
101 NOTE 1	In printout of totaled bill/call record, a new page starts on each Medium Group. NOTE 2	0◀: NO 1 : YES
102 NOTE 1	In printout of totaled bill/call record, a new page starts on each Large Group. NOTE 2	0◀: NO 1 : YES
103	Printer Line Feed Code (Depends on the printer provided)	0◀: CR 1 : CR and LF
114	Send Controlled Restriction message to PMS when setting Do Not Disturb NOTE 3	0◀: Not sent 1 : To send
115	Send Controlled Restriction message to PMS when setting Room Cutoff NOTE 3	0◀: Not sent 1 : To send
116	Send Message Waiting message to PMS when setting Message Waiting NOTE 3	0◀: Not sent 1 : To send
119	Send Maid Status message to PMS when setting Maid Status by guest room telephone or Front Desk Terminal	0◀: To send 1 : Not sent
121	Confirmation of the call records which have been printed out by the Interim Printout on station basis	0◀: Not available 1 : Available
122	Confirmation of the call records which have been printed out by the Interim Printout on group basis	0◀: Not available 1 : Available

NOTE 1: 1st data 100-102 are not effective for the group number 777 and 888 (Printout of all groups).

NOTE 2: When using print paper with fold line, assign 2nd data to "1" if required.

NOTE 3: Effective when CMD016>XX05=1.

Continued on next page

COMMAND CODE		TITLE:
D000		SMDR/CIS/PMS FUNCTIONS (1)
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
123	Clear of the call records which have been printed out NOTE: <i>Effective when CMD000>16: 1 or CMD001>128: 1.</i>	0◀: Not available 1 : Available
126	Control of External alarm relay (DK) when the accumulation rate of billing memory exceeds the value set by CMD001>229  See CMD001>229	0◀: Relay ON/OFF (every 0.5 seconds) 1 : Relay ON
128	Display of the totaled bill of call records on group basis NOTE: <i>Effective when CMD001>122: 1.</i>	0◀: Not available 1 : Available
134	Send Wake Up message to PMS when setting Wake Up	0◀: Not sent 1 : To send
135	Send result of Wake Up message when performing Wake Up call	0◀: Not sent 1 : To send
136	Send text (Message Waiting control text sending is available) to VMS when resetting AP00	0◀: To send 1 : Not sent
137	Number of digits for station number in the message format to communicate with VMS	0◀: 6 digits 1 : 8 digits
140	Send Violation Code message when PBX receives an illegal message from PMS	0◀: Not sent 1 : To send
141	Send Violation Code message when PBX receives an undefined FTC message from PMS	0 : Not sent 1◀: To send
142	Send Violation Code message when PBX receives an undefined FC message from PMS	0 : Not sent 1◀: To send
143	Send ANI/Caller ID to SMDR	0◀: Not sent 1 : To send NOTE: <i>When 0 is set, the ANI is not sent to SMDR, but area code for calling party, area code for called party; authorization code is sent to the SMDR.</i>
150	Maid Status Record Printout	0◀: Not available 1 : Available

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (1)
D000	


◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
152	Printing of Do Not Disturb for individual station set/cancel from Front Desk Terminal	0◀: Available 1 : Not available
153	Printing of Room Cutoff set/cancel from Front Desk Terminal	0◀: Available 1 : Not available
154	Printing of Message Waiting set/cancel from Front Desk Terminal	0◀: Available 1 : Not available
156	Printing of Wake Up set/cancel from Front Desk Terminal	0◀: Available 1 : Not available
159	Print of currency unit	0◀: To provide 1 : Not provided
176	Designation of call charge [Australia/France/Germany/Netherlands/Italy/Greece/ Luxembourg/Portugal/Spain/Sweden/ITU-T (UAE)]	0 : Call charge by AP00 1◀: Call charge by Advice of Charge (AOC) from ISDN network

Continued on next page

COMMAND CODE		TITLE:
D000		SMDR/CIS/PMS FUNCTIONS (1)
1ST DATA: 208-276		
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
208	Check In/Check Out time is printed in the call charge print by check out operation	0◀: Not available 1 : Available
209	Room Status is printed in the call charge print by check out operation	0◀: Not available 1 : Available
211	Send traffic information of outgoing trunk calls (billing) to CS Report	0◀: Not sent 1 : To send
221	Automatic totaled bill Interim Printout-once a day	0◀: Not executed 1 : To execute
222	Automatic totaled bill Audit Printout-once a day	0◀: Not executed 1 : To execute
223	Automatic call record Interim Printout-once a day	0◀: Not executed 1 : To execute
224	Automatic call record Audit Printout-once a day	0◀: Not executed 1 : To execute
225	Automatic totaled bill Interim Printout-once a month	0◀: Not executed 1 : To execute
226	Automatic totaled bill Audit Printout-once a month	0◀: Not executed 1 : To execute
227	Automatic call record Interim Printout-once a month	0◀: Not executed 1 : To execute
228	Automatic call record Audit Printout-once a month	0◀: Not executed 1 : To execute
230	Immediate printout on tandem calls	0◀: Not provided 1 : To provide
231	Accumulation of metering on tandem calls	0◀: To provide 1 : Not provided
238	Display of year	0◀: Not displayed 1 : To display

Continued on next page

COMMAND CODE		TITLE:	
D000		SMDR/CIS/PMS FUNCTIONS (1)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
252	Storing 5-digit station number in station data base of AP00 memory NOTE: <i>The first digit number should be pre-fixed and added on SMDR output.</i>  See CMD000>71 , CMD001>189	0◀: Not stored (5-digit station number is ignored.) 1 : Store the last 4 digits of 5-digit station number	
276	Condition Code 1/2 for Advice of Charge in SMDR 2400 IMS Format [Australia/France]	0◀: Condition Code 1 is 1 cent unit. Condition Code 2 is 0.1 cent unit. 1 : Condition Code 1 is 0.1 cent unit. Condition Code 2 is 1 cent unit.	

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)
<p>FUNCTION: This command is used to assign the interface conditions for the SMDR, CIS printer, PMS functions.</p>	
<p>PRECAUTION:</p> <p>(1) After setting 1st data 20-35, 80-96, 100, 102-107, 109-116, 120, 122-127, 131-136, 140, 142-147, 149-156, 179, 250, 257, 258, the AP00 card reset is required.</p> <p>(2) See the following data table for quick reference:</p> <ul style="list-style-type: none"> ☞ Quick Reference Data Table for SMDR (NEAX 2400 IMS Format) Page 813 ☞ Quick Reference Data Table for SMDR (NEAX 1400 IMS Format) Page 815 ☞ Quick Reference Data Table for Printer Page 817 ☞ Quick Reference Data Table for PMS (IMS Format) Page 819 ☞ Quick Reference Data Table for VMS with MCI Page 821 	
<p>ASSIGNMENT PROCEDURE:</p> <p>[ST] + D001 + [DE] + 1ST DATA (1-3 digits) + [DE] + 2ND DATA (1-3 digits) + [EXE]</p>	

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

DATA TABLE:

1ST DATA: 1-98

◀: Initial Data

1ST DATA				2ND DATA	
DATA	FUNCTION				
1	Method of charging a transferred call The following shows which station is charged in the case of various transfer patterns.			0◀: Split charging to both the transfer destination station and the transferring station 1 : Charging to transfer destination station 2 : Charging to transferring station	
	<u>Transfer Pattern</u>	<u>2ND DATA=0</u>	<u>2ND DATA=1</u>		<u>2ND DATA=2</u>
	• Call transfer from STA A to STA B	Split charging to STA A & STA B	STA B		STA A
	• Call transfer from a station (STA) to ATTCON	STA	STA		STA
	• Call transfer from ATTCON to a station (STA)	STA	STA		STA
	• Call transfer from ATTCON A to ATTCON B	Split charging to ATTCON A and ATTCON B	ATTCON B	ATTCON A	
2	Number of digits to be deleted from called party number in Call Record print-out. Each dial digit to be deleted is printed out as "X".			0◀: All the digits are printed 1 : The last 1 digit is deleted 25 : The last 25 digits are deleted 26 : All the digits are deleted	

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA					2ND DATA	
DATA	FUNCTION					
3	In the printing by the designated printing pattern, the hotel name (company name) is printed at the end of the billing information.				0	◀:
	2nd Data	Station Individual Totalled Bill Print	Station Individual Call Record Print	Call Record Immediate Print	1	:] See left column.
	0	-	-	-	2	
	1	X	-	-	7	:]
	2	-	X	-		
	3	X	X	-		
	4	-	-	X		
	5	X	-	X		
	6	-	X	X		
	7	X	X	X		
	X: Print - : Not print NOTE: Hotel (Company) name is assigned by CMD030.					
6	Number of line feeds after printing				0	◀: No line feed
					1	:] 1 line feed
					2	:]
					10	:] 10 line feeds

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

◀: Initial Data

1ST DATA		2ND DATA																																																																																									
DATA	FUNCTION																																																																																										
8	<p>Designation of printout operation for Check Out</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">2nd Data</th> <th colspan="2">Individual Call Record</th> <th colspan="2">Individual Totaled Bill</th> </tr> <tr> <th>Audit Print</th> <th>Interim Print</th> <th>Audit Print</th> <th>Interim Print</th> </tr> </thead> <tbody> <tr><td>0</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>X</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>X</td><td>-</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>X</td><td>X</td></tr> <tr><td>4</td><td>-</td><td>X</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>X</td><td>-</td><td>X</td></tr> <tr><td>6</td><td>-</td><td>X</td><td>X</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>8</td><td>X</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>X</td><td>-</td><td>-</td><td>X</td></tr> <tr><td>10</td><td>X</td><td>-</td><td>X</td><td>-</td></tr> <tr><td>11</td><td>X</td><td>-</td><td>X</td><td>X</td></tr> <tr><td>12</td><td>X</td><td>X</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>X</td><td>X</td><td>-</td><td>X</td></tr> <tr><td>14</td><td>X</td><td>X</td><td>X</td><td>-</td></tr> <tr><td>15</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> </tbody> </table> <p>X: print - : Not print</p>	2nd Data	Individual Call Record		Individual Totaled Bill		Audit Print	Interim Print	Audit Print	Interim Print	0	-	-	-	-	1	-	-	-	X	2	-	-	X	-	3	-	-	X	X	4	-	X	-	-	5	-	X	-	X	6	-	X	X	-	7	-	X	X	X	8	X	-	-	-	9	X	-	-	X	10	X	-	X	-	11	X	-	X	X	12	X	X	-	-	13	X	X	-	X	14	X	X	X	-	15	X	X	X	X	<p>0◀: []</p> <p>1 : See left column.</p> <p>2 []</p> <p>15 : []</p>
2nd Data	Individual Call Record		Individual Totaled Bill																																																																																								
	Audit Print	Interim Print	Audit Print	Interim Print																																																																																							
0	-	-	-	-																																																																																							
1	-	-	-	X																																																																																							
2	-	-	X	-																																																																																							
3	-	-	X	X																																																																																							
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5	-	X	-	X																																																																																							
6	-	X	X	-																																																																																							
7	-	X	X	X																																																																																							
8	X	-	-	-																																																																																							
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10	X	-	X	-																																																																																							
11	X	-	X	X																																																																																							
12	X	X	-	-																																																																																							
13	X	X	-	X																																																																																							
14	X	X	X	-																																																																																							
15	X	X	X	X																																																																																							
10	<p>Printout of a long-time call exceeding the predetermined call duration</p> <p style="text-align: right;">☞ See CMD000>35</p> <ul style="list-style-type: none"> When the length of a call is over predetermined call duration, the following message is printed out. <p>2002 10/15 02:08 TUE</p> <p><u>XXXX</u> - <u>XXX</u>^(M) <u>XXX</u> <u>LT</u></p> <p style="margin-left: 100px;">└── Long Time Call indication</p> <p style="margin-left: 100px;">└── Trunk Number</p> <p style="margin-left: 100px;">└── Call Duration</p> <p style="margin-left: 100px;">└── Station Number</p>	<p>0◀: No printing</p> <p>1 : []</p> <p>2 []</p> <p style="text-align: center;">Setting time (Minutes)</p> <p>255 : []</p>																																																																																									

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
11	Printout function of Room Status Information, when the Check Out is set from Front Desk Terminal	0 : Not available 1◀: Available	
12	Room Status Code set by Check In operation (CHECK IN + Station No. + SET) ☞ See CMD016>XX06 and CMD031	0◀: Invalid 1 : 2 : } Room Status Code 8 : }	
13	Room Status Code set by Check Out operation (CHECK IN + Station No. + RESET) ☞ See CMD016>XX06 and CMD031	0◀: Invalid 1 : 2 : } Room Status Code 8 : }	
14	Type of printout data when Check Out is set to station from Front Desk Terminal	0◀: No printout 1 : Interim (Totaled Bill) 2 : Audit (Totaled Bill) 3 : Interim (Call Record) 4 : Audit (Call Record)	
19	Send Message Waiting/Restriction Level/Wake-Up message to PMS	1 : Not available 2◀: Available	
20	Data Speed for No. 0 Port <div style="text-align: center;">AP00 INITIAL</div>	0 : Not used 1 : 300 bps 2◀: 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps	
21	Stop Bit Length for No. 0 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: 1 bit 1 : 1.5 bits 2 : 2 bits	
22	Data Length for No. 0 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: 7 bits 1 : 8 bits	
23	Parity for No. 0 Port <div style="text-align: center;">AP00 INITIAL</div>	0 : No Parity 1◀: Even Parity 2 : Odd Parity	

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
24	Data Speed for No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps
25	Stop Bit Length for No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 1 bit 1 : 1.5 bits 2 : 2 bits
26	Data Length for No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 7 bits 1 : 8 bits
27	Parity for No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: No Parity 1 : Even Parity 2 : Odd Parity
28	Data Speed for No. 2 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps
29	Stop Bit for No. 2 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 1 bit 1 : 1.5 bits 2 : 2 bits
30	Data Length for No. 2 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 7 bits 1 : 8 bits
31	Parity for No. 2 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: No Parity 1 : Even Parity 2 : Odd Parity

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
32	Data Speed for No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps
33	Stop Bit for No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 1 bit 1 : 1.5 bits 2 : 2 bits
34	Data Length for No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: 7 bits 1 : 8 bits
35	Parity for No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: No Parity 1 : Even Parity 2 : Odd Parity
36	Message format which is sent to VMS with MCI	0◀: Format without ANI 1 : Format with ANI

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA			2ND DATA	
DATA	FUNCTION			
40 ? 71	Setting of 1st Break Point (BP1) and 2nd Break Point (BP2) for sur-charge by K-Method		0◀: No break point 1 : } Break point setting position ? } (counting No.) 255: }	
	<u>BP1</u>	<u>BP2</u>		
	40	41		0
	42	43		1
	44	45		2
	46	47		3
	48	49		4
	50	51		5
	52	53		6
	54	55		7
	56	57		8
	58	59		9
	60	61		10
	62	63		11
	64	65		12
	66	67		13
	68	69		14
	70	71	15	
	<p>NOTE: For example, when BP1 is set to counting No. 8 (BP1=8), the 1st Time Block (TB1) assigned by CMD024 is applied to 1 to 8 counting No. after call start time. And also, when BP2 is set to 16 (BP2=16), the 2nd Time Block (TB2) assigned by CMD024 is applied to BP1=1 to 16, and 3rd Time Block (TB3) is applied to counting No. exceeding BP2 + 1.</p>			

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
80	Equipment connected to No. 0 Port <div style="text-align: right;">AP00 INITIAL</div>	0 : Not used 4◀ : Computer 0 5 : Computer 1 16 : Printer 0 17 : Printer 1 24 : MCI	
81	Priority for data processing on No. 0 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀ : 1st 1 : 2nd	
82	Message format on No. 0 Port (When 2nd data of CMD001>80 is set to 4) <div style="text-align: right;">AP00 INITIAL</div>	0 : No data is sent out 3◀ : SMDR (NEAX 2400 IMS Format) 4 : SMDR (NEAX 1400 IMS Format) 6 : PMS (IMS Format)	
	Number of characters per line to be printed out on No. 0 port (When 2nd data of CMD001>80 is set to 16/17) <div style="text-align: right;">AP00 INITIAL</div>	0 : Not used 2 : 80 characters	
83	Number of lines per page on No. 0 port (When 2nd data of CMD001>82 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0 : No page 1 : } No. of lines including space ? : } within a page (Depends on 88 : } size of printer paper used)	
84	Protocol on No. 0 Port (When 2nd data of CMD001>80 is set to 4) <div style="text-align: right;">AP00 INITIAL</div>	0 : Not used 1◀ : Free Wheel 6 : IMS procedure	
	Number of lines per page to be printed out on No. 0 port (When 2nd data of CMD001>82 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0 : No page 1 : } No. of lines to be printed ? : } out within a page 88 : }	
85	Station Address (SA) of a message transmitted to No. 0 Port <div style="text-align: right;">AP00 INITIAL</div>	0 : Not used 1 : } ASCII Code in BCD ? : } 255 : } 48◀ : 0	

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
86	Unit Address (UA) of a message transmitted to No. 0 Port AP00 INITIAL	0 : Not used 1 : 2 : ASCII Code in BCD 255 : 33◀: !	
87	Timer for detecting the terminal no answer on No. 0 Port AP00 INITIAL	0◀ : No data 1 : 2 : 128 ms. increments 255 :	
89	Timer for detecting the end of block on No. 0 Port AP00 INITIAL	0◀ : No data 1 : 2 : 512 ms. increments 255 :	
90	Timer for detecting non data communication on No. 0 Port AP00 INITIAL	0◀ : Not used 1 : 2 : 512 ms. increments 255 :	
91	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 0 Port AP00 INITIAL	0◀ : Not used 1 : 1 time 2 : 255 : 255 times	
92	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 0 Port AP00 INITIAL	0◀ : Not used 1 : 1 time 2 : 255 : 255 times	
93	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 0 Port AP00 INITIAL	0◀ : Not used 1 : 1 time 2 : 255 : 255 times	
94	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 0 Port AP00 INITIAL	0◀ : Not used 1 : 1 time 2 : 255 : 255 times	

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
95	Delay before resending the Selecting Sequence when NAK is returned on No. 0 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 :] 2 :] 128 ms. increments 255:]
96	Delay before resending the text when WABT is returned on No. 0 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 :] 2 :] 128 ms. increments 255:]
98	Guard timer between texts on No. 0 Port	0◀: 0-128 ms. 1 : 128-256 ms. 2 : 256-384 ms. 3 : 384-512 ms. 4 : 512-640 ms.

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
1ST DATA: 100-221			
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
100	Equipment connected to No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 4 : Computer 0 5 : Computer 1 16 : Printer 0 17 : Printer 1 24 : MCI	
101	Priority for data processing on No. 1 Port	0◀: 1st 1 : 2nd	
102	Message format on No. 1 Port (When 2nd data of CMD001>100 is set to 4) <div style="text-align: right;">AP00 INITIAL</div>	0◀: No data is sent out 3 : SMDR (NEAX 2400 IMS Format) 4 : SMDR (NEAX 1400 IMS Format) 6 : PMS (IMS Format)	
	Number of characters per line to be printed out on No. 1 Port (When 2nd data of CMD001>100 is set to 16/17) <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 2 : 80 characters	
103	Number of lines per page on No. 1 Port (When 2nd data of CMD001>102 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0◀: No page 1 : } No. of lines including space 2 : } within a page (Depends on 88 : } size of print paper used)	
104	Protocol on No. 1 Port (When 2nd data of CMD001>100 is set to 4) <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : Free Wheel 6 : IMS Procedure	
	Number of lines per page to be printed out on No. 1 Port (When 2nd data of CMD001>102 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0 : No page 1 : } No. of lines to be printed out 2 : } within a page 88 : }	
105	Station Address (SA) of a message transmitted to No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : } ASCII Code in BCD 2 : } 255 : }	

Continued on next page

COMMAND CODE		TITLE:
D001		SMDR/CIS/PMS FUNCTIONS (2)
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
106	Unit Address (UA) of a message transmitted to No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: Not used 1 : 2 : } ASCII Code in BCD 255: }
107	Timer for detecting the terminal no answer on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: No data 1 : 2 : } 128 ms. increments 255: }
109	Timer for detecting the end of block on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: No data 1 : 2 : } 512 ms. increments 255: }
110	Timer for detecting non data communication on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: No data 1 : 2 : } 512 ms. increments 255: }
111	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: Not used 1 : 1 time 2 : 2 255: 255 times
112	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: Not used 1 : 1 time 2 : 2 255: 255 times
113	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: Not used 1 : 1 time 2 : 2 255: 255 times
114	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 1 Port <div style="text-align: center;">AP00 INITIAL</div>	0◀: Not used 1 : 1 time 2 : 2 255: 255 times

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
115	Delay before resending the Selecting Sequence when NAK is returned on No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 :] 2 :] 128 ms. increments 255:]
116	Delay before resending the text when WATB is returned on No. 1 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 :] 2 :] 128 ms. increments 255:]
118	Guard timer between texts on No. 1 Port	0◀: 0-128 ms. 1 : 128-256 ms. 2 : 256-384 ms. 3 : 384-512 ms. 4 : 512-640 ms.
120	Equipment connected to No. 2 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 4 : Computer 0 5 : Computer 1 16 : Printer 0 17 : Printer 1 24 : MCI
121	Priority for data processing on No. 2 Port	0◀: 1st 1 : 2nd
122	Message format on No. 2 Port (When 2nd data of CMD001>120 is set to 4) <div style="text-align: right;">AP00 INITIAL</div>	0◀: No data is sent out 3 : SMDR (NEAX 2400 IMS Format) 4 : SMDR (NEAX 1400 IMS Format) 6 : PMS (IMS Format)
	Number of characters per line to be printed out on No. 2 Port (When 2nd data of CMD001>120 is set to 16/17) <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 2 : 80 characters

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
123	Number of lines per page on No. 2 Port (When 2nd data of CMD001>122 is set to 2) AP00 INITIAL	0◀: No page 1 : } No. of lines including space λ } within a page (Depends on 88 : } size of print paper used)	
124	Protocol on No. 2 Port (When 2nd data of CMD001>120 is set to 4) AP00 INITIAL	0◀: Not used 1 : Free Wheel 6 : IMS Procedure	
	Number of lines per page to be printed out on No. 2 Port (When 2nd data of CMD001>122 is set to 2) AP00 INITIAL	0◀: No page 1 : } No. of lines to be printed out λ } within a page 88 : }	
125	Station Address (SA) of a message transmitted to No. 2 Port AP00 INITIAL	0◀: Not used 1 : } λ } ASCII Code in BCD 255: }	
126	Unit Address (UA) of a message transmitted to No. 2 Port AP00 INITIAL	0◀: Not used 1 : } λ } ASCII Code in BCD 255: }	
127	Timer for detecting the terminal no answer on No. 2 Port AP00 INITIAL	0◀: No data 1 : } λ } 128 ms. increments 255: }	
131	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 2 Port AP00 INITIAL	0◀: Not used 1 : 1 time λ λ 255: 255 times	
132	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 2 Port AP00 INITIAL	0◀: Not used 1 : 1 time λ λ 255: 255 times	

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
133	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 2 Port AP00 INITIAL	0◀: Not used 1 : 1 time 2 : 2 255: 255 times	
134	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 2 Port AP00 INITIAL	0◀: Not used 1 : 1 time 2 : 2 255: 255 times	
135	Delay before resending the Selecting Sequence when NAK is returned on No. 2 Port AP00 INITIAL	0◀: No data 1 :] 2 :] 128 ms. increments 255:]	
136	Delay before resending the text when WABT is returned on No. 2 Port AP00 INITIAL	0◀: No data 1 :] 2 :] 128 ms. increments 255:]	
138	Guard timer between texts on No. 2 Port	0◀: 0-128 ms. 1 : 128-256 ms. 2 : 256-384 ms. 3 : 384-512 ms. 4 : 512-640 ms.	
140	Equipment connected to No. 3 Port AP00 INITIAL	0◀: Not used 4 : Computer 0 5 : Computer 1 16 : Printer 0 17 : Printer 1 24 : MCI	
141	Priority for data processing on No. 3 Port	0◀: 1st 1 : 2nd	

Continued on next page

COMMAND CODE		TITLE:	
D001		SMDR/CIS/PMS FUNCTIONS (2)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
142	Message format on No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: No data is sent out 3 : Not used 4 : Not used 6 : Not used	
	Number of characters per line to be printed out on No. 3 Port (When 2nd data of CMD001>140 is set to 16/17) <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 2 : 80 characters	
143	Number of lines per page on No. 3 Port (When 2nd data of CMD001>142 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0◀: No page 1 : } No. of lines including space 2 : } within a page (Depends on 88 : } size of print paper used)	
144	Protocol on No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : Not used 6 : Not used	
	Number of lines per page to be printed out on No. 3 Port (When 2nd data of CMD001>142 is set to 2) <div style="text-align: right;">AP00 INITIAL</div>	0◀: No page 1 : } No. of lines to be printed out 2 : } within a page 88 : }	
145	Station Address (SA) of a message transmitted to No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : } 2 : } ASCII Code in BCD 255: }	
146	Unit Address (UA) of a message transmitted to No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : } 2 : } ASCII Code in BCD 255: }	
147	Timer for detecting the terminal no answer on No. 3 Port <div style="text-align: right;">AP00 INITIAL</div>	0◀: Not used 1 : } 2 : } Not used 255: }	

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
149	Timer for detecting the end of block on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: No data 1 : 2 } 512 ms. increments 255:]
150	Timer for detecting non data communication on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
152	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
154	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
155	Delay before resending the Selecting Sequence when NAK is returned on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]
156	Delay before resending the text when WATB is returned on No. 3 Port <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">AP00 INITIAL</div>	0◀: Not used 1 : 2 } Not used 255:]

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
158	Guard timer between texts on No. 3 Port	0◀: 0-128 ms. 1 : 128-256 ms. 2 : 256-384 ms. 3 : 384-512 ms. 4 : 512-640 ms.
160 ? 175	Mask Data provision for 1st digit of Authorization Code ? Mask Data provision for 16th digit of Authorization Code	0◀: Not provided 1 : No. of n (1-16) digit + 1 is provided ? 11 : No. of n (1-16) digit + 1 is provided 12 : "X" is provided The data (digits) are masked by character "X" (i.e. 555XXXX)
176	Carriage Return (CR) and Line Feed (LF) provision for a printer using 80 or 136 characters on NEAX 1400 format	0◀: For a printer using 136 characters per line, with automatic line feed 1 : For a printer using 136 characters per line 2 : For providing a line space between call record on a printer using 136 characters 3 : For a printer using 80 characters per line, with automatic line feed 4 : For a printer using 80 characters, without automatic line feed 5 : For a printer using 80 characters per line, without automatic line feed and providing a line space between call records

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for SMDR (NEAX 2400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2/3/4/5 NOTE 1	1200/2400/ 4800/9600 bps
21	25	29	33	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	34	Data length	0◀/1	7/8 bits
23	27	31	35	Parity	0◀/1/2	None Parity/ Even Parity/ Odd Parity
80	100	120	140	Equipment Type	4/5 NOTE 2	SMDR
81	101	121	141	Priority for data processing	0◀	1st Priority
82	102	122	142	Message format	3	NEAX 2400 IMS Format
83	103	123	143	Number of lines per page	0◀	Not used
84	104	124	144	Protocol	1	Free Wheel
85	105	125	145	Station Address (SA)	48	0
86	106	126	146	Unit Address (UA)	33	!
87	107	127	147	Timer for detecting the terminal no answer	0◀	Not used
89	109	129	149	Timer for detecting the end of block	0◀	Not used
90	110	130	150	Timer for detecting non data communication	0◀	Not used
91	111	131	151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	0◀	Not used
92	112	132	152	Number of times to resend the Selecting Sequence when no answer in Phase 2	0◀	Not used

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for SMDR (NEAX 2400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
93	113	133	153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	0◀	Not used
94	114	134	154	Number of times to resend the Selecting Sequence when no answer in Phase 3	0◀	Not used
95	115	135	155	Delay before resending the Selecting Sequence when NAK is returned	0◀	Not used
96	116	136	156	Delay before resending the text when WABT is returned	0◀	Not used
98	118	138	158	Guard timer between texts	0◀	Not used

NOTE 1: For the Port 1 and Port 3, data speed 9600 bps cannot be set.

NOTE 2: The 2nd data=4 is used for either the SMDR or the PMS. If the 2nd data=4 is assigned to the Port 0 (1st data=80) for the SMDR/PMS, assign the 2nd data=5 to the Port 1 (1st data=100), the Port 2 (1st data=120) or the Port 3 (1st data=140) for the SMDR.

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for SMDR (NEAX 1400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2/3/4/5 NOTE 1	1200/2400/ 4800/9600 bps
21	25	29	33	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	34	Data length	0◀/1	7/8 bits
23	27	31	35	Parity	0◀/1/2	None Parity/ Even Parity/ Odd Parity
80	100	120	140	Equipment Type	4/5 NOTE 2	SMDR
81	101	121	141	Priority for data processing	0◀	1st Priority
82	102	122	142	Message format	4	NEAX 1400 IMS Format
83	103	123	143	Number of lines per page	0◀	Not used
84	104	124	144	Protocol	1	Free Wheel
85	105	125	145	Station Address (SA)	0◀	Not used
86	106	126	146	Unit Address (UA)	0◀	Not used
87	107	127	147	Timer for detecting the terminal no answer	0◀	Not used
89	109	129	149	Timer for detecting the end of block	0◀	Not used
90	110	130	150	Timer for detecting non data communication	0◀	Not used
91	111	131	151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	0◀	Not used
92	112	132	152	Number of times to resend the Selecting Sequence when no answer in Phase 2	0◀	Not used
93	113	133	153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	0◀	Not used

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for SMDR (NEAX 1400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
94	114	134	154	Number of times to resend the Selecting Sequence when no answer in Phase 3	0◀	Not used
95	115	135	155	Delay before resending the Selecting Sequence when NAK is returned	0◀	Not used
96	116	136	156	Delay before resending the text when WABT is returned	0◀	Not used
98	118	138	158	Guard timer between texts	0◀	Not used

NOTE 1: For the Port 1 and Port 3, data speed 9600 bps cannot be set.

NOTE 2: The 2nd data=4 is used for either the SMDR or the PMS. If the 2nd data=4 is assigned to the Port 0 (1st data=80) for the SMDR/PMS, assign the 2nd data=5 to the Port 1 (1st data=100), the Port 2 (1st data=120) or the Port 3 (1st data=140) for the SMDR.

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for Printer

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
	24		32	Data speed	2/3/4	1200/2400/ 4800 bps
	25		33	Stop bit length	2	2 bits
	26		34	Data length	0◀	7 bits
	27		35	Parity	1	Even Parity
	100		140	Equipment Type	16/17	Hotel Printer 0/ Hotel Printer 1
	101		141	Priority for data processing	1	2nd
	102		142	Number of characters per line to be printed out	2	80 characters
	103		143	Number of lines per page	0-88	See the description of commands
	104		144	Number of lines per page to be printed out	0-88	See the description of commands
	105		145	Station Address (SA)	0◀	Not used
	106		146	Unit Address (UA)	0◀	Not used
	107		147	Timer for detecting the terminal no answer	0◀	Not used
	109		149	Timer for detecting the end of block	0◀	Not used
	110		150	Timer for detecting non data communication	0◀	Not used
	111		151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	0◀	Not used
	112		152	Number of times to resend the Selecting Sequence when no answer in Phase 2	0◀	Not used

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

Quick Reference Data Table for Printer

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
	113		153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	0◀	Not used
	114		154	Number of times to resend the Selecting Sequence when no answer in Phase 3	0◀	Not used
	115		155	Delay before resending the Selecting Sequence when NAK is returned	0◀	Not used
	116		156	Delay before resending the text when WABT is returned	0◀	Not used
	118		158	Guard timer between texts	0◀	Not used

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for PMS (IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2/3/4/5 NOTE 1	1200/2400/ 4800/9600 bps
21	25	29	33	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	34	Data length	0◀/1	7/8 bits
23	27	31	35	Parity	0◀/1/2	None Parity/ Even Parity/ Odd Parity
80	100	120	140	Equipment Type	4 NOTE 2	PMS
81	101	121	141	Priority for data processing	0◀	1st Priority
82	102	122	142	Message Format	6	PMS Format
83	103	123	143	Number of lines per page	0◀	Not used
84	104	124	144	Protocol	6	IMS Procedure
85	105	125	145	Station Address (SA)	49	1
86	106	126	146	Unit Address (UA)	33	!
87	107	127	147	Timer for detecting the terminal/no answer	8	1 second
89	109	129	149	Timer for detecting the end of block	70	35 seconds
90	110	130	150	Timer for detecting non data communication	70	35 seconds
91	111	131	151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	3	3 times
92	112	132	152	Number of times to resend the Selecting Sequence when no answer in Phase 2	15	15 times
93	113	133	153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	3	3 times

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

Quick Reference Data Table for PMS (IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
94	114	134	154	Number of times to resend the Selecting Sequence when no answer in Phase 3	32	15 times
95	115	135	155	Delay before resending the Selecting Sequence when NAK is returned	24	3 seconds
96	116	136	156	Delay before resending the text when WABT is returned	24	3 seconds
98	118	138	158	Guard timer between texts	0◀	Not used

NOTE 1: For the Port 1 and Port 3, data speed 9600 bps cannot be set.

NOTE 2: For the PMS, the 2nd data=4 should be assigned.

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

Quick Reference Data Table for VMS with MCI

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2/3/4/5 NOTE	1200/2400/ 4800/9600 bps
21	25	29	33	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	34	Data length	0◀/1	7/8 bits
23	27	31	35	Parity	0◀/1/2	None Parity/ Even Parity/ Odd Parity
80	100	120	140	Equipment Type	24	MCI
81	101	121	141	Priority for data processing	0◀	1st Priority
82	102	122	142	Message Format	0◀	Not used
83	103	123	143	Number of lines per page	0◀	Not used
84	104	124	144	Protocol	0◀	Not used
85	105	125	145	Station Address (SA)	48	0
86	106	126	146	Unit Address (UA)	33	!
87	107	127	147	Timer for detecting the terminal/no answer	0◀	Not used
89	109	129	149	Timer for detecting the end of block	5	512 ms.
90	110	130	150	Timer for detecting non data communication	0◀	Not used
91	111	131	151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	0◀	Not used
92	112	132	152	Number of times to resend the Selecting Sequence when no answer in Phase 2	0◀	Not used
93	113	133	153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	0◀	Not used

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

Quick Reference Data Table for VMS with MCI

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
94	114	134	154	Number of times to resend the Selecting Sequence when no answer in Phase 3	0◀	Not used
95	115	135	155	Delay before resending the Selecting Sequence when NAK is returned	0◀	Not used
96	116	136	156	Delay before resending the text when WABT is returned	0◀	Not used
98	118	138	158	Guard timer between texts	0◀ 1 2 3 4	0-128 ms. 128-256 ms. 256-384 ms. 384-512 ms. 512-640 ms.

NOTE: *For the Port 1 and Port 3, data speed 9600 bps cannot be set.*

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
179	Local office or Center office for Centralized Billing-CCIS NOTE: Billing memory clear by CMD102 is required. ☞ See CMD102.	0◀: Local office 1 : Center office
189	First digit of 5-digit station number to be added NOTE: CMD001>189 is effective only when CMD000>71: 1 and CMD000>252: 1.	X: 0-9, A (*), B (#)

Continued on next page

COMMAND CODE	TITLE: SMDR/CIS/PMS FUNCTIONS (2)
D001	

◀: Initial Data

1ST DATA			2ND DATA
DATA	FUNCTION		
190 ∩ 221	Setting of 1st Break Point (BP1) and 2nd Break Point (BP2) for sur-charge by H-Method		0◀: No break point
	BP1	BP2	1 :] ∩ 255:]
		H-Method No.	Break Point setting position (counting No.)
	190	191	
	192	193	
	194	195	
	196	197	
	198	199	
	200	201	
	202	203	
	204	205	
	206	207	
	208	209	
	210	211	
	212	213	
	214	215	
	216	217	
	218	219	
	220	221	
	<p>NOTE 1: For example, when BP1 is set to counting No. 8 (BP1=8), the 1st Charging Rate (RT1) assigned by CMD025 is applied to 1 to 8 counting No. after call start time. And also, when BP2 is set to 16 (BP2=16), the 2nd Charging Rate (RT2) assigned by CMD025 is applied to BP1=1 to 16, and 3rd Charging Rate (RT3) is applied to counting No. exceeding BP2 + 1.</p> <p>NOTE 2: For the charging by metering pulse, 0 should be assigned as the H-Method No.</p> <p>NOTE 3: In case of charging by Metering pulse, the number of metering pulse is to be assigned as the counting number.</p>		

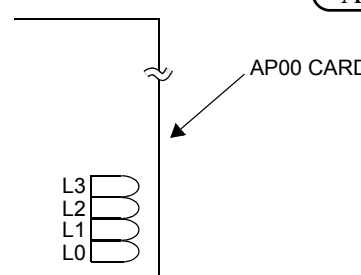
Continued on next page

COMMAND CODE		TITLE:
D001		SMDR/CIS/PMS FUNCTIONS (2)
1ST DATA: 229-256		
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
229	<p>Maximum accumulation rate of billing memory for external alarm output when the rate exceeds assigned value</p> <p>NOTE 1: <i>The condition for external alarm is as follows;</i></p> <p>(a) <i>The accumulation rate for the following limit value approaches the value set by CMD001>229 in advance.</i></p> <p>(b) <i>The accumulation rate for the following limit value approaches full.</i></p> <p>(c) <i>The accumulation rate for the following limit value decreases than the assignable range set by CMD001>229 or is cleared the stored billing memory.</i></p> <p><i>[Limit Value]</i></p> <p>- <i>Limit value of remaining Call Record memory set by CMD003>24/29</i></p> <p>NOTE 2: <i>ON/OFF control for external relay on DK00 card and fault information display can be performed with the condition for external alarm as above.</i></p> <p><i>For case (a): External relay ON/OFF set by</i> <i>CMD000>126</i> <i>Fault information display set by CMEA</i> <i>Y=2>28</i></p> <p><i>For case (b): External relay ON/fault information display set by CMEA Y=2>28</i></p> <p><i>For case (c): External relay OFF/fault information display set by CMEA Y=2>38</i></p>	<p>0◀ : 80%</p> <p>50-99: 50%-99%</p>

Continued on next page

COMMAND CODE	TITLE:
D001	SMDR/CIS/PMS FUNCTIONS (2)

◀: Initial Data

1ST DATA		2ND DATA																																				
DATA	FUNCTION																																					
239	Direction for sending of Centralized Billing information from local office NOTE 1: Assign 0 for local office. Assign 1 or 2 for center office. NOTE 2: The billing information is sent to SMDR terminal with NEAX 2400 IMS Format.	0◀: Not Centralized Billing office (Local office) 1 : SMDR Terminal which is set to "4" by CMD001>80/100/120/140 (Center office) 2 : SMDR Terminal which is set to "5" by CMD001>80/100/120/140 (Center office)																																				
250	Function of OPE (No. 0-3) LED on AP00 card <div style="text-align: center; border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block; margin: 10px auto;">AP00 INITIAL</div>  <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="text-align: left;">OPE</td> <td style="text-align: center;">0◀</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: left;">LED</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: left;">L3</td> <td style="text-align: center;">No. 3 port SD CS</td> <td style="text-align: center;">No. 0 CD</td> <td style="text-align: center;">No. 1 CD</td> <td style="text-align: center;">No. 2 CD</td> <td style="text-align: center;">No. 3 CD</td> </tr> <tr> <td style="text-align: left;">L2</td> <td style="text-align: center;">No. 2 port SD CD</td> <td style="text-align: center;">No. 0 SD</td> <td style="text-align: center;">No. 1 SD</td> <td style="text-align: center;">No. 2 SD</td> <td style="text-align: center;">No. 3 SD</td> </tr> <tr> <td style="text-align: left;">L1</td> <td style="text-align: center;">No. 1 port SD SD</td> <td style="text-align: center;">No. 0 RD</td> <td style="text-align: center;">No. 1 RD</td> <td style="text-align: center;">No. 2 RD</td> <td style="text-align: center;">No. 3 RD</td> </tr> <tr> <td style="text-align: left;">L0</td> <td style="text-align: center;">No. 0 port SD RD</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	OPE	0◀	1	2	3	4	LED	—	—	—	—	—	L3	No. 3 port SD CS	No. 0 CD	No. 1 CD	No. 2 CD	No. 3 CD	L2	No. 2 port SD CD	No. 0 SD	No. 1 SD	No. 2 SD	No. 3 SD	L1	No. 1 port SD SD	No. 0 RD	No. 1 RD	No. 2 RD	No. 3 RD	L0	No. 0 port SD RD					0◀: Indicates the status of data transmission on each port (See left column) 1 : Indicates the status of signal leads on No. 0 port (See left column) 2 : Indicates the status of signal leads on No. 1 port (See left column) 3 : Indicates the status of signal leads on No. 2 port (See left column) 4 : Indicates the status of signal leads on No. 3 port (See left column)
OPE	0◀	1	2	3	4																																	
LED	—	—	—	—	—																																	
L3	No. 3 port SD CS	No. 0 CD	No. 1 CD	No. 2 CD	No. 3 CD																																	
L2	No. 2 port SD CD	No. 0 SD	No. 1 SD	No. 2 SD	No. 3 SD																																	
L1	No. 1 port SD SD	No. 0 RD	No. 1 RD	No. 2 RD	No. 3 RD																																	
L0	No. 0 port SD RD																																					

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COMMAND CODE		TITLE:																																																												
D001		SMDR/CIS/PMS FUNCTIONS (2)																																																												
◀: Initial Data																																																														
1ST DATA		2ND DATA																																																												
DATA	FUNCTION																																																													
252	Output unit for Direct Data Entry NOTE: Effective when CMD016>XX24 is set to "1".	0◀: PMS 1 : Printer 2 : PMS and Printer																																																												
253	Printout format of Direct Data Entry • Printout format 1 <table border="1" style="margin-left: 40px;"><tr><td>2002</td><td>10/11</td><td>17:20</td><td>FRI</td><td></td></tr><tr><td>NO.</td><td>220</td><td></td><td></td><td></td></tr><tr><td>CODE1</td><td></td><td></td><td></td><td>1</td></tr><tr><td>CODE2</td><td></td><td></td><td></td><td>2</td></tr><tr><td>CODE3</td><td></td><td></td><td></td><td>2</td></tr><tr><td>CODE4</td><td></td><td></td><td></td><td>1</td></tr></table> • Printout format 2 <table border="1" style="margin-left: 40px;"><tr><td>2002</td><td>10/11</td><td>17:20</td><td>FRI</td><td></td></tr><tr><td>NO.</td><td>220</td><td></td><td></td><td></td></tr><tr><td>CODE</td><td></td><td></td><td></td><td>1</td></tr><tr><td>QUANTITY</td><td></td><td></td><td></td><td>2</td></tr><tr><td>CODE</td><td></td><td></td><td></td><td>2</td></tr><tr><td>QUANTITY</td><td></td><td></td><td></td><td>1</td></tr></table> NOTE: Effective when CMD016>XX24 is set to "1", moreover CMD001>252 is set to "1" or "2".	2002	10/11	17:20	FRI		NO.	220				CODE1				1	CODE2				2	CODE3				2	CODE4				1	2002	10/11	17:20	FRI		NO.	220				CODE				1	QUANTITY				2	CODE				2	QUANTITY				1	0◀: Printout format 1 1 : Printout format 2 (See left column)
2002	10/11	17:20	FRI																																																											
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CODE				2																																																										
QUANTITY				1																																																										
256	Currency unit to be printed out	0◀: \$ 1 : Not printed (◁ will be printed.) 2 : FF (France Franc)																																																												

COMMAND CODE	TITLE:
D003	TIME BLOCK ASSIGNMENT (1)/ MAXIMUM NUMBER OF CALL RECORD ASSIGNMENT

FUNCTION:

This command is used to determine the time block for charging by H-Method, and also used to determine the maximum number of call records.

PRECAUTION:

- (1) The amount of call record number set by CMD003>23, 24, 25, 26, 28, 29, 30 must not exceed the following number:

Amount of Call Records number of CMD003 1ST data 23, 24, 25, 26, 28, 29, 30			
No EXPMEM on AP00 is provided		EXPMEM on AP00 is provided	
When CMD001>179 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	When CMD001>179 is set to 1 (Center Office of Centralized Billing-CCIS)	When CMD001>179 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	When CMD001>179 is set to 1 (Center Office of Centralized Billing-CCIS)
1600	800	27000: When CMD003>28 is set to 0 (Call Record for CIS is not provided) 26000: When CMD003>28 is set to other than 0 (Call Record for CIS is provided)	

Maximum number of each 1st data of CMD003 is as follows:

1ST DATA	No EXPMEM on AP00 is provided	EXPMEM on AP00 is provided
23, 30	1000	1000
24, 25, 26, 29	1600	27000
28	1020	12000

- (2) CMD003>23, 24, 25, 26, 28, 29, 30 are effective after executing CMD102. Before executing CMD102, be sure to print out all of the stored call records. CMD102 deletes all of the stored call records.

See [CMD102](#).

ASSIGNMENT PROCEDURE:

[ST] + D003 + [DE] + 1ST DATA (1/2 digits) + [DE] + 2ND DATA (1-5 digits) + [EXE]

COMMAND CODE	TITLE: TIME BLOCK ASSIGNMENT (1)/ MAXIMUM NUMBER OF CALL RECORD ASSIGNMENT
D003	

DATA TABLE:

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
0 ∟ 15	H-Method Number 0 H-Method Number 15	0◀-65535: Time Block (second) =0.5 × Setting Data
23	Maximum number of Immediate Printout Call Record for the Printer which is set to "17" by CMD001>80/100/120/140 NOTE 1: When the data is set to 1-1000, external alarm of memory overflow is available, if CM44 2nd data=3003 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : Not used 1 : 1 call ∟ ∟ 1000: 1000 calls
24	Maximum number of Call Record for SMDR which is set to "5" by CMD001>80/100/120/140 NOTE 1: When the data is set to 1-27000, external alarm of memory overflow is available, if CM44 2nd data=3002 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : No limitation 1 : 1 call ∟ ∟ 27000: 27000 calls
26	Maximum number of Local office's Call Record for Centralized Billing-CCIS. NOTE 1: When the data is set to 1-27000, external alarm of memory overflow is available, if CM44 2nd data=3000 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : Not record 1 : 1 call ∟ ∟ 27000: 27000 calls

Continued on next page

COMMAND CODE		TITLE:	
D003		TIME BLOCK ASSIGNMENT (1)/ MAXIMUM NUMBER OF CALL RECORD ASSIGNMENT	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
27	Limit value of remaining Call Record memory block number to output external alarm NOTE: When the data is set to 1-27000, external alarm of memory overflow is available, if CM44 2nd data=3004 or CMEA Y=2>28 is assigned.	0◀ : Not record 1 : 1 call ? ? 27000: 27000 calls	
28	Maximum number of Call Record for CIS [Not used in North America] NOTE 1: When the data is set to 1-12000, external alarm of memory overflow is available, if CM44 2nd data=3000 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0 : Not record 1 : 1 call ? ? 100◀:100 calls ? ? 12000: 12000 calls	
29	Maximum number of Call Record for SMDR/PMS which is set to “4” by CMD001>80/100/120/140 NOTE 1: When the data is set to 1-27000, external alarm of memory overflow is available, if CM44 2nd data=3001 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0 : Not record 1 : 1 call ? ? 100◀:100 calls ? ? 27000: 27000 calls	
30	Maximum number of Immediate Printout Call Record for Printer which is set to “16” by CMD001>80/100/120/140 NOTE 1: When the data is set to 1-1000, external alarm of memory overflow is available, if CM44 2nd data=3003 or CMEA Y=2>28, 38 is assigned. NOTE 2: Billing memory clear by CMD102 is required. ☞ See PRECAUTION (1), PRECAUTION (2).	0 : Not record 1 : 1 call ? ? 100◀:100 calls ? ? 1000 : 1000 calls	
31	Stored number of Call Record for automatic printout NOTE: Once the stored Call Records are printed out, the Call Records are erased from the memory.	0◀ : No limitation 1 : 1 call ? ? 12000: 12000 calls	

COMMAND CODE	TITLE: CHARGING RATE ASSIGNMENT (1)/OFFICE NUMBER ASSIGNMENT
D004	

FUNCTION:

This command is used to assign the charging rate per call and the time and day for the daily/monthly report.
 This command is also used to assign the office number of the calling party and center office for Centralized Billing.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D004 + **[DE]** + 1ST DATA (1-2 digits) + **[DE]** + 2ND DATA (1-4 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
0 ? 15	Charging Rate for No. 0 K-Method Charging Rate for No. 15 K-Method	0◀-9999: Charging Rate (ϕ)
21	The time of day for automatic totalled bill Interim Printout for stations (For daily report) NOTE 1	HH MM HH : 00-23 (Hour) MM : 00-59 (Minute) 9999◀: No printout
22	The time of day for automatic totalled bill Audit Printout for stations (For daily report) NOTE 1	HH MM HH : 00-23 (Hour) MM : 00-59 (Minute) 9999◀: No printout
23	The time of day for automatic call record Interim Printout for stations (For daily report) NOTE 1	HH MM HH : 00-23 (Hour) MM : 00-59 (Minute) 9999◀: No printout
24	The time of day for automatic call record Audit Printout for stations (For daily report) NOTE 1	HH MM HH : 00-23 (Hour) MM : 00-59 (Minute) 9999◀: No printout

Continued on next page

COMMAND CODE	TITLE:
D004	CHARGING RATE ASSIGNMENT (1)/OFFICE NUMBER ASSIGNMENT

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
25	The day of month for automatic totalled bill Interim Printout for stations (For monthly report) NOTE 1 NOTE 2	DD HH DD : 00-31 (Day) HH : 00-23 (Hour) 0000 : No printout 9999◀: No printout
26	The day of month for automatic totalled bill Audit Printout for stations (For monthly report) NOTE 1 NOTE 2	DD HH DD : 00-31 (Day) HH : 00-23 (Hour) 0000 : No printout 9999◀: No printout
27	The day of month for automatic call record Interim Printout for stations (For monthly report) NOTE 1 NOTE 2	DD HH DD : 00-31 (Day) HH : 00-23 (Hour) 0000 : No printout 9999◀: No printout
28	The day of month for automatic call record Audit Printout for stations (For monthly report) NOTE 1 NOTE 2	DD HH DD : 00-31 (Day) HH : 00-23 (Hour) 0000 : No printout 9999◀: No printout
40 2 49	Flat Rate No. 0 2 Flat Rate No. 9	0◀-9999: Charging Rate (ϕ)
55	Office number of calling party for Centralized Billing-CCIS. The office number is output to SMDR when the office number of calling party is not sent from the local office. NOTE 4	X-XXXX: Local Office No. of calling party
56	Office number of center office for Centralized Billing-CCIS NOTE 4	X-XXXX: Center Office No.

Continued on next page

COMMAND CODE	TITLE: CHARGING RATE ASSIGNMENT (1)/OFFICE NUMBER ASSIGNMENT
D004	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
60 ? 75	Commission for No. 00 K-Method ? Commission for No. 15 K-Method See CMD016>XX04	0◀-9999: Charging Rate (ϕ)
76 ? 91	Commission for No. 00 H-Method ? Commission for No. 15 H-Method NOTE 2 See CMD016>XX04	

NOTE 1: To provide this service, stations should be grouped by CMD012, CMD013, CMD014.

NOTE 2: The monthly report of February, April, June, September and November will be printout on next month, if the end of month (31th) is assigned.

NOTE 3: When getting a commission in the call charge by metering pulse, 76 (Commission for No. 00 H-Method) should be assigned as the 1st data.

NOTE 4: If using a leading digits of 0 and 0 is required to print at the SMDR terminal, assign "A" for each leading 0 to be printed. If the leading digits 0 is not required to print at the SMDR terminal, assign "0".

COMMAND CODE	TITLE:
D012, D013, D014	STATION GROUP NUMBER

FUNCTION:

CMD012 is used to assign a Group number to each station as the Charging Group. CMD013 and CMD014 are used to divide the Charging Groups into Medium Group or Large Group. By grouping the stations in this way, the sum of the detail and total bills for the stations belonging to each Group can be printed out.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

+ D012/D013/D014 + + 1ST DATA (1-4 digits) + + 2ND DATA (3 digits) +

DATA TABLE:

- CMD012: For assigning a Group number to each station

1ST DATA	2ND DATA	REMARKS
X-XXXX: Station number (1-4 digits) 00-07 : ATTCON number (2 digits)	000-128: Group number	

NOTE: Assign Group number 128 to stations in which a Group number is not assigned.

- CMD013: For assigning a Medium Group number to each Group number

1ST DATA	2ND DATA	REMARKS
000-127: Group number assigned by CMD012	200-232: Medium Group number	

NOTE: Assign Group number 232 to a Group number which is not included in a Medium Group number.

Continued on next page

COMMAND CODE	TITLE:
D012, D013, D014	STATION GROUP NUMBER

- CMD014: For assigning Large Group number to each Medium Group number

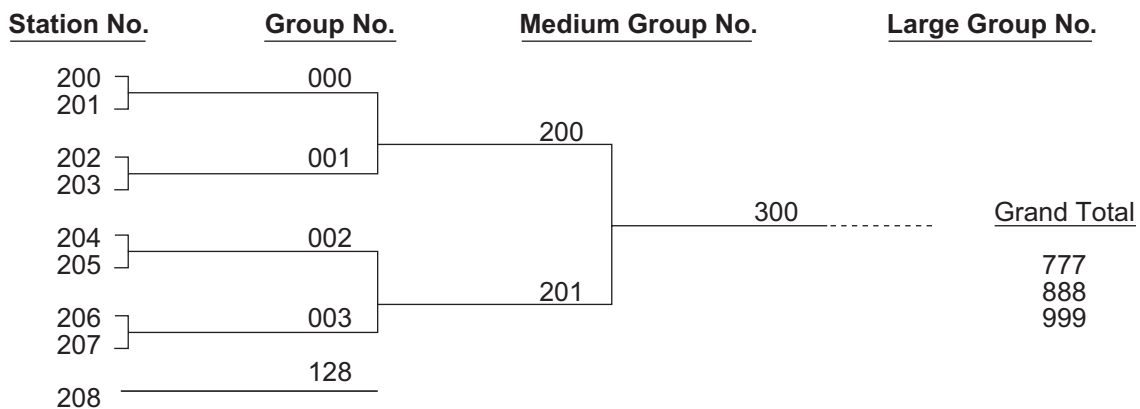
1ST DATA	2ND DATA	REMARKS
200-231: Medium Group number assigned by CMD013	300-308: Large Group number	

NOTE: Assign Large Group number 308 to a Medium Group which is not included in a Large Group.

- The numbers that can be assigned to each Group, and the quantity of the Group numbers are as shown in the table below.

KIND OF GROUP	MAXIMUM No. OF GROUP	GROUP No.	INITIAL DATA	REMARKS
Small group	128	000-128	All stations=128	
Medium group	32	200-232	All stations=232	
Large group	8	300-308	All stations=308	
Grand total of station numbers		777	–	
Grand total of groups		888	–	
Grand total of station numbers and groups		999	–	

The following is an example of grouping on station numbers 200-208.



COMMAND CODE	TITLE:
D015	STATION SERVICE CLASSES

FUNCTION:

This command is used to assign the class of service to each station and attendant console. The class functions are assigned by CMD016.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D015 + **[DE]** + 1ST DATA (1-4 digits) + **[DE]** + 2ND DATA (2 digits) + **[EXE]**

DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
X-XXXX: Station number (1-4 digits) 00-07 : ATTCON number	00◀-15: Class number	

COMMAND CODE	TITLE: STATION FEATURES
D016	

FUNCTION:

This command is used to assign the class functions for each class assigned by CMD015.

PRECAUTION:




None

ASSIGNMENT PROCEDURE:

+ D016 + + 1ST DATA (4 digits) + + 2ND DATA (0/1) +

DATA TABLE:

◀: Initial Data

1ST DATA (XX: Station Class Number assigned by CMD015)		2ND DATA
DATA	MEANING	
XX04	Commission for each call is added to the call charge of Local Call, Toll or International Call  See CMD004>60-75, 76-91	0◀: NO 1 : YES
XX05	Send Room Status code to PMS  See CMDD10 and CMD031	0◀: Not sent 1 : To send
XX06	Room status operation is executed by Front Desk Terminal  See CMDD10 and CMD031	0◀: NO 1 : YES
XX07	Send Message Waiting, Restriction Level, Wake-Up Message to PMS	0◀: Not sent 1 : To send
XX08	Accumulation of call charge on Local or Toll Call	0◀: YES 1 : NO
XX09	Call Recording on Local Call	0◀: NO 1 : YES
XX10	Immediate printout on Local Call	0◀: NO 1 : YES
XX11	Call Recording on Toll Call	0◀: NO 1 : YES
XX12	Immediate printout on Toll Call	0◀: NO 1 : YES

Continued on next page

COMMAND CODE	TITLE: STATION FEATURES
D016	

◀: Initial Data

1ST DATA (XX: Station Class Number assigned by CMD015)		2ND DATA
DATA	MEANING	
XX13	Accumulation of Call Charge on International Call	0◀: YES 1 : NO
XX14	Call Recording on International Call	0◀: NO 1 : YES
XX15	Immediate printout on International Call	0◀: NO 1 : YES
XX16	Send detail information of C.O. outgoing calls to SMDR/PMS which is set to "4" by CMD001>80/100/120/140	0 : Not sent 1◀: To send
XX17	Send detail information of C.O. outgoing calls to SMDR which is set to "5" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
XX18	Accumulation of Call Charge on Tie Line Call	0◀: NO 1 : YES
XX19	Call Recording on Tie Line Call	0◀: NO 1 : YES
XX20	Immediate printout on Tie Line Call	0◀: NO 1 : YES
XX21	Send detail information of Tie Line outgoing calls to SMDR which is set to "4" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
XX22	Send detail information of Tie Line outgoing calls to SMDR which is set to "5" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
XX24	Direct Data Entry from guest room station	0◀: Not available 1 : Available
XX30	Send detail information of C.O./Tie Line incoming calls to SMDR which is set to "4" by CMD001>80/100/120/140	0◀: Not sent 1 : To send

Continued on next page

COMMAND CODE	TITLE: STATION FEATURES
D016	

◀: Initial Data

1ST DATA (XX: Station Class Number assigned by CMD015)		2ND DATA
DATA	MEANING	
XX31	Send detail information of C.O. outgoing calls through CCIS	0◀: Not sent 1 : To send
XX32	Send detail information of Tie Line outgoing calls through CCIS	0◀: Not sent 1 : To send
XX42	Send Message Waiting message to PMS	0◀: To send 1 : Not sent
XX43	Send Control of Restriction Message to PMS	0◀: To send 1 : Not sent
XX44	Send Wake up message to PMS	0◀: To send 1 : Not sent
XX45	Administrative Station	0◀: Guest 1 : Administration
XX46	Restriction for Toll Call and International Call	0◀: Not available 1 : Available
XX55	Send detail information of C.O./Tie Line incoming calls to SMDR which is set to "5" by CMD001>80/100/120/140	0◀: Not sent 1 : To send
XX58	Send detail information of C.O./Tie Line incoming calls through CCIS	0◀: Not sent 1 : To send

COMMAND CODE	TITLE:	
D022	TIME (DAY/NIGHT/MIDNIGHT) NUMBER ASSIGNMENT (1)	
FUNCTION:		
This command is used to assign the Time ID (Day/Night/Midnight) number for the charging by H-Method.		
PRECAUTION:		
None		
ASSIGNMENT PROCEDURE:		
$\boxed{\text{ST}} + \text{D022} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(5 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{EXE}}$		
DATA TABLE:		
◀: Initial Data		
1ST DATA	2ND DATA	REMARKS
XX Y ZZ XX: H-Method number (00-15) Y : Time Table (0-7) ZZ : Time (00-23)	0◀-7: Time ID number Day : 0 Night : 1 Midnight: 2	

COMMAND CODE	TITLE:	
D023	TIME (DAY/NIGHT/MIDNIGHT) NUMBER ASSIGNMENT (2)	
FUNCTION:		
This command is used to assign the Time ID (Day/Night/Midnight) number for the charging by K-Method.		
PRECAUTION:		
None		
ASSIGNMENT PROCEDURE:		
$\boxed{ST} + D023 + \boxed{DE} + \begin{matrix} 1ST\ DATA \\ (5\ digits) \end{matrix} + \boxed{DE} + \begin{matrix} 2ND\ DATA \\ (1\ digit) \end{matrix} + \boxed{EXE}$		
DATA TABLE:		
◀: Initial Data		
1ST DATA	2ND DATA	REMARKS
XX Y ZZ XX: K-Method number (00-15) Y : Time Table (0-7) ZZ : Time (00-23)	0◀-7: Time ID Day : 0 Night : 1 Midnight: 2	

COMMAND CODE	TITLE: TIME BLOCK ASSIGNMENT (2)
D024	

FUNCTION:

This command is used to assign the Time Block per charging rate and Break Points (BP1, BP2) for surcharge of the charging by K-Method.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

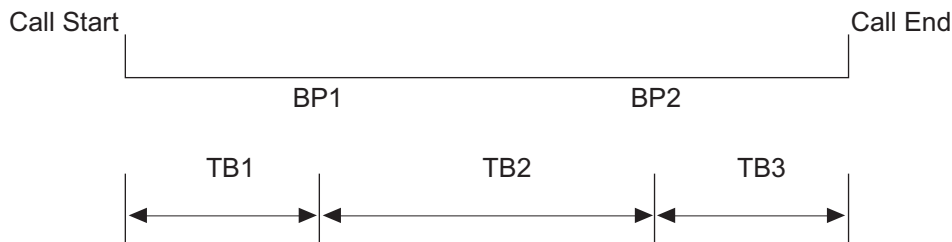
[ST] + D024 + [DE] + 1ST DATA (6 digits) + [DE] + 2ND DATA (1-5 digits) + [EXE]

DATA TABLE:

Time Block TB1, TB2 and TB3 are respectively applied to each of the ranges divided by Break Point BP1 and BP2 for surcharge as shown below.

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
AA B C DD AA: K-Method number (00-15) B : Break Point (0-2) C : Time ID (0-7) Day : 0 Night : 1 Midnight: 2 DD: Charging Rank (00-15)	0◀-65535 Time Block=0.5 × Setting Data	



COMMAND CODE	TITLE:
D025	CHARGING RATE ASSIGNMENT (2)

FUNCTION:

This command is used to assign the charging rate per Time Block/Metering Pulse and Break Points (BP1, BP2) for surcharge of the charging by H-method or metering pulse.

PRECAUTION:

This command is not used in North America.

ASSIGNMENT PROCEDURE:

[ST] + D025 + [DE] + 1ST DATA (6 digits) + [DE] + 2ND DATA (1-4 digits) + [EXE]

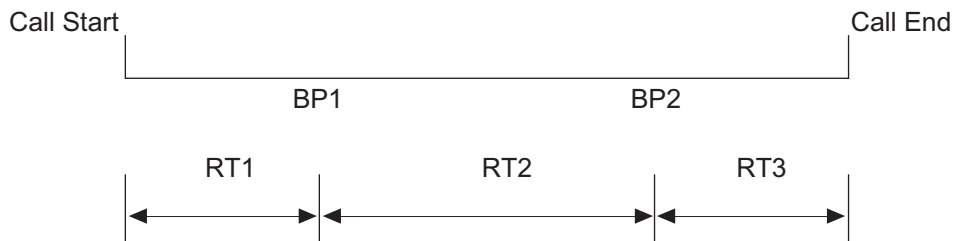
DATA TABLE:

Charging Rate per Time Block

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
AA B C DD AA: H-Method number (00-15) B : Break Point (0-2) C : Time ID (0-7) Day : 0 Night : 1 Midnight: 2 DD: Charging Rank (00-15)	0◀-9999: Charging Rate (ϕ) per Time Block/Metering Pulse	

Charging rate RT1, RT2 and RT3 are respectively applied to each of the ranges divided by Break Point BP1 and BP2 for surcharge as shown below.



Continued on next page

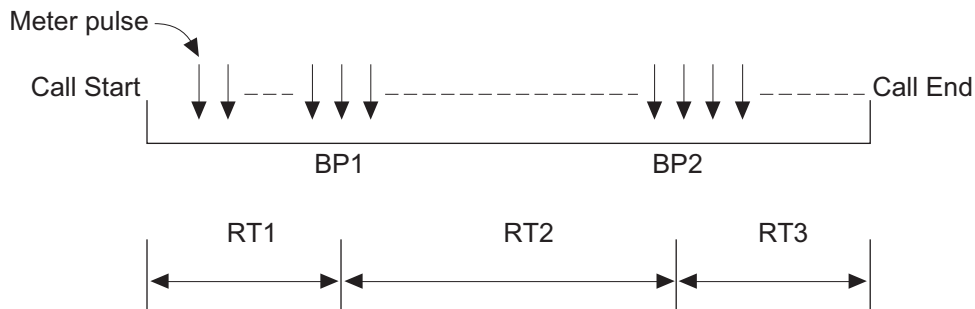
COMMAND CODE	TITLE:
D025	CHARGING RATE ASSIGNMENT (2)

Charging Rate per Metering Pulse

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
000000	First Charging Rate by Meter Pulse (RT1)	0◀-9999: Call charge(ϕ) per meter pulse
001000	Second Charging Rate by Meter Pulse (RT2)	
002000	Third Charging Rate by Meter Pulse (RT3)	

Charging Rate RT1, RT2 and RT3 are respectively applied to each of the ranges divided by Break Points BP1 and BP2 for surcharge as shown below.



COMMAND CODE	TITLE: ROUTE INDEX FOR CALL CHARGE DEVELOPMENT
D026	

FUNCTION:

This command is used to assign a Development Table number for each outgoing trunk route.

PRECAUTION:

Although actual charging is not determined by the PBX, it is necessary to program this command and CMD027 to get SMDR output.

ASSIGNMENT PROCEDURE:

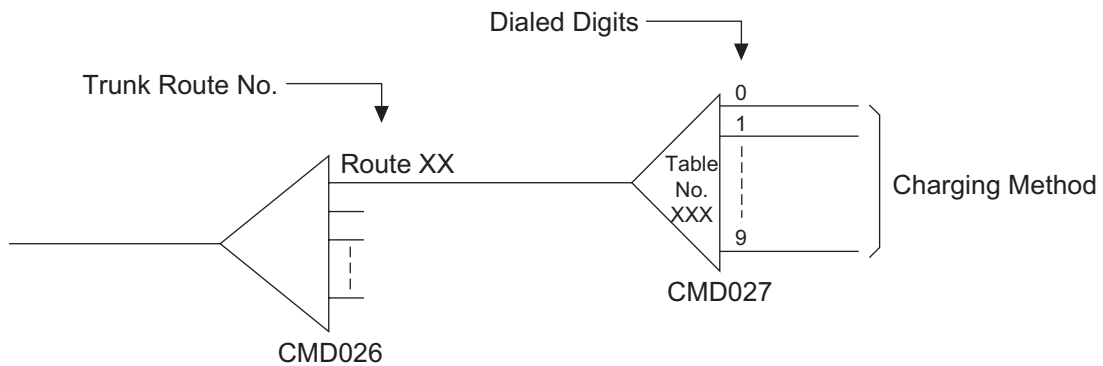
[ST] + D026 + [DE] + 1ST DATA (1-2 digits) + [DE] + 2ND DATA (3 digits) + [EXE]

DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
0-63: Outgoing Trunk Route No.	000◀-511: Development Table No.	

- For each Table Number assigned by this command, the charging method for each dialed digit is assigned by CMD027 as shown below.



COMMAND CODE	TITLE: CALL CHARGE DEVELOPMENT TABLES
D027	

FUNCTION:

This command is used to assign the charging method to each dialed digit on the basis of each Development Table designated by CMD026.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D027 + [DE] + 1ST DATA (4 digits) + [DE] + 2ND DATA (1-6 digits) + [EXE]

DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA
XXX Y XXX: Development Table No. (000-511) Y : Dialed digit (0-9, A(*), B(#))	XXXXX Y XXXXX: Various Data Y : Attribute Data Refer to the following table

NOTE

NOTE: *The actual digits sent from a trunk should be assigned.*

◀: Initial Data

VARIOUS DATA		ATTRIBUTE DATA	
DATA	MEANING	DATA	MEANING
———	———	1	No charge
———	———	2	Charging is not available
0-511	Table No. for Next Development Table	3	Wait for next digit
X YY ZZ	X : K-Method/H-Method=0/1 YY: Kind of charging (00-15) ZZ: Charging Rank (00-15)	4	Charging Identification No.
0-9	Charging No. of Flat Rate assigned by CMD004	6	With answer signal
———	———	A	No answer signal NOTE
———	———	9◀	Send to SMDR terminal
10000	———	8	Charging by metering pulse

NOTE: *Charging will start when the number is dialed.*

COMMAND CODE	TITLE: MESSAGE ASSIGNMENT
D030	

FUNCTION:

This command is used to assign the Hotel Names (Company Names) of messages to be printed at the end of the billing information. The number of characters that can be assigned is 20 characters per line and the total of 60 characters (3 lines).

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D030 + [DE] + 1ST DATA (1-2 digits) + [DE] + 2ND DATA + [EXE]

DATA TABLE:

1ST DATA	2ND DATA	REMARKS
Character print position: 0-63 Print Position → 0 - - - - - 19 X - - - - - X (1st line) → 20 - - - - - 39 X - - - - - X (2nd line) → 40 - - - - - 59 X - - - - - X (3rd line)	Character Assignment See the table on next page. • For setting space instead of printing a character, assign data "20". • At the end of a Hotel Name or a message, enter "CR" (Data=0DH) and End Mark (Data=00H) in the order named.	

Continued on next page

COMMAND CODE	TITLE: MESSAGE ASSIGNMENT
D030	

• Character Assignment Data

Character	DATA	Character	DATA	Character	DATA	Character	DATA	Character	DATA	Character	DATA	Character	DATA
(SPACE)	20	*	2A	4	34	>	3E	H	48	R	52	¥	5C
!	21	+	2B	5	35	?	3F	I	49	S	53	]	5D
“	22	,	2C	6	36	@	40	J	4A	T	54	^	5E
#	23	-	2D	7	37	A	41	K	4B	U	55	—	5F
\$	24	.	2E	8	38	B	42	L	4C	V	56		
%	25	/	2F	9	39	C	43	M	4D	W	57		
&	26	0	30	:	3A	D	44	N	4E	X	58		
‘	27	1	31	;	3B	E	45	O	4F	Y	59		
(	28	2	32	<	3C	F	46	P	50	Z	5A		
)	29	3	33	=	3D	G	47	Q	51	[	5B		

Example: The following is an example for data assignment for printing “THANK YOU”.



• Data Assignment

1ST DATA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2ND DATA	20	20	20	20	20	54	48	41	4E	4B	20	59	4F	55	00	00				

COMMAND CODE	TITLE: ROOM STATUS CODE
D031	

FUNCTION:

This command is used to assign the desired functions for each Room Status Code which is dialed from a guest room or a Front Desk Terminal.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D031 + [DE] + 1ST DATA (3 digits) + [DE] + 2ND DATA (0/1) + [EXE]

DATA TABLE:

◀: Initial Data

1ST DATA (X: ROOM STATUS CODE 1-8)		2ND DATA
DATA	FUNCTION	
X00	Room Cutoff set	0◀: NO 1 : YES
X01	Room Cutoff reset	
X02	Do Not Disturb set	
X03	Do Not Disturb reset	
X04	Wake Up Call reset	
X05	Message Waiting reset	
X06	Check In Time set	
X07	Check In Time clear	
X08	Restriction for Toll Call and International Call set	
X30	Send Room Status to PMS	
X31	Room Status Code dialed from guest room is allowed	

Continued on next page

COMMAND CODE	TITLE:
D031	ROOM STATUS CODE

Example: The table below shows the examples of functions by this command.

ROOM STATUS CODE		FUNCTION NUMBER										
		00	01	02	03	04	05	06	07	08	30	31
1	Check In (NOTE)	0	1	0	1	1	1	1	0	0	0	0
2	Check Out (NOTE)	1	0	0	1	1	0	0	1	0	0	0
3	Under Cleaning	1	0	1	0	0	0	0	1	0	0	1
4	Cleaning Finished	1	0	1	0	0	1	0	1	0	0	1
5	Check Finished	0	1	0	1	0	1	0	1	0	0	1
6	Out of Service	1	0	0	0	1	1	0	1	0	0	1
7												
8												

NOTE: *The Room Status Codes for Check In and Check Out are to be assigned by CMD001>12 and 13.*

COMMAND CODE	TITLE: ROUTE INDEX FOR CALL DEVELOPMENT
D033	

FUNCTION:

This command is used to assign a Type of Call Development Table for each outgoing trunk route.

PRECAUTION:

This command and CMD034 must be assigned to get SMDR output.

ASSIGNMENT PROCEDURE:

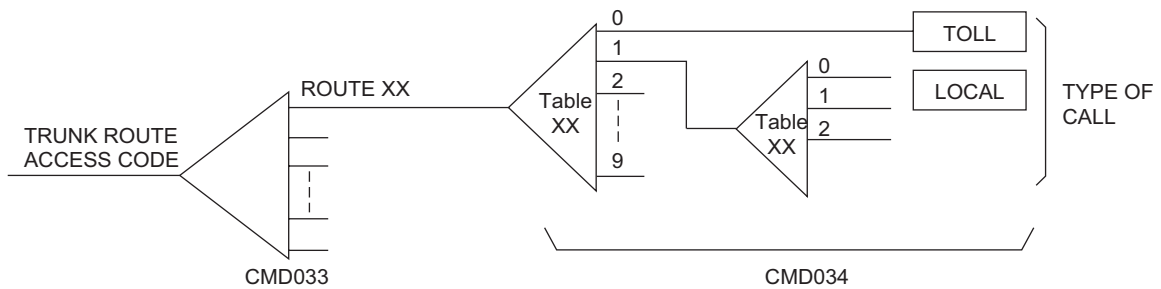
[ST] + D033 + [DE] + 1ST DATA (1-2 digits) + [DE] + 2ND DATA (1-3 digits) + [EXE]

DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
0-63: Trunk Route number	0◀-127: Type of Call Development Table number	

On the basis of each table number assigned by this command, the type of call to the dialed digits is assigned by CMD034 as shown below.



COMMAND CODE	TITLE: CALL DEVELOPMENT TABLES
D034	

FUNCTION:

This command is used to assign a type of call to the dialed digits on each Type of Call Development Table number assigned by CMD033.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + D034 + [DE] + 1ST DATA (2-4 digits) + [DE] + 2ND DATA (2-4 digits) + [EXE]

DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
XXX Y XXX: Call Development Table number (0-127) Y : Dialed digit (0-9, A, (*), B (#)) NOTE 1	<u>X1</u> : For assigning Type of Call 0 : Unused 1◀: Local Call 2 : Toll Call 3 : International Call 4 : Unused 5 : Unused 6 : Unused 7 : Tie Line 8 : Tie Line 9 : Tie Line XXX 0: For assigning Next Digit Development Table number XXX : Next Digit Development Table number (0-127)	

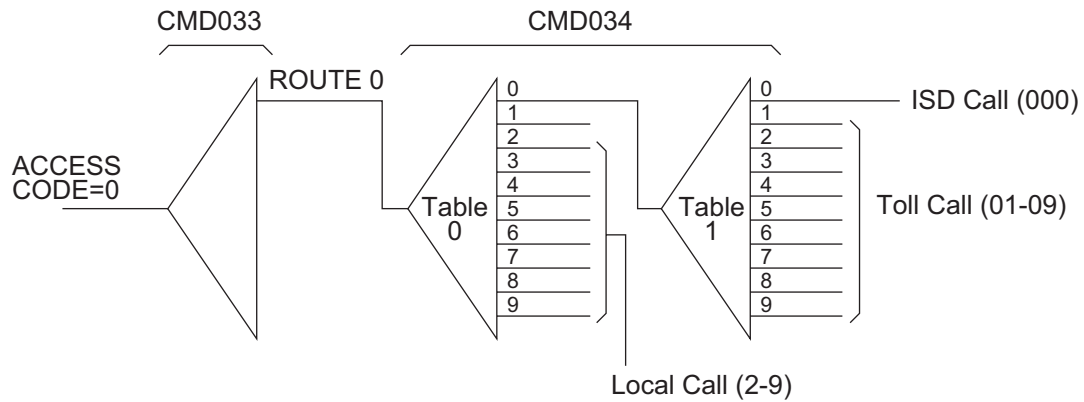
NOTE 1: *The actual digits sent from a trunk should be assigned.*

NOTE 2: *This feature restricts Toll Call and International Call (Type of call No. 2 and No. 3 assigned by this command).*

Continued on next page

COMMAND CODE	TITLE: CALL DEVELOPMENT TABLES
D034	

Example: Call Development Tables are assigned according to the following table.



DIGIT	TYPE OF CALL
00	ISD Call
01	} Toll Call
09	
2	} Local Call
9	

Trunk Route to be set: Route 0

- CMD033
To Trunk Route 0, assign No. 0 Call Development Table.

[ST] + D033 + **[DE]** + 0 + **[DE]** + 0 + **[EXE]**

- CMD034

In No. 0 Call Development Table;

- (1) Set No. 1 Call Development Table to digit 0.

[ST] + D034 + **[DE]** + 00 + **[DE]** + 10 + **[EXE]**

- (2) Set "LOCAL CALL" to digit 2-9.

[ST] + D034 + **[DE]** + XX + **[DE]** + 11 + **[EXE]**

XX: 02-09

In No. 1 Call Development Table;

- (3) Set "ISD CALL" to digit 0.

[ST] + D034 + **[DE]** + 10 + **[DE]** + 31 + **[EXE]**

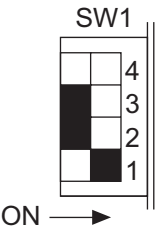
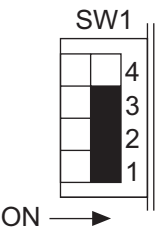
- (4) Set "TOLL CALL" to digit 1-9.

[ST] + D034 + **[DE]** + XX + **[DE]** + 21 + **[EXE]**

XX: 11-19

COMMAND CODE	TITLE:	
D035	DESIGNATION OF PRINTER	
FUNCTION:		
This command is used to designate the printer for printout by key operation at each Front Desk Terminal.		
PRECAUTION:		
None		
ASSIGNMENT PROCEDURE:		
$\boxed{\text{ST}}$ + D035 + $\boxed{\text{DE}}$ + 1ST DATA (1-4 digits) + $\boxed{\text{DE}}$ + 2ND DATA (0/1) + $\boxed{\text{EXE}}$		
DATA TABLE:		
		◀: Initial Data
1ST DATA		2ND DATA
DATA	FUNCTION	
X ? XXXX	Front Desk Terminal (D ^{term}) My Line number assigned by CM10/ CM14 (FX-FXXXX)	0◀: Printer 0 1 : Printer 1

COMMAND CODE	TITLE:	
D100	BILLING SYSTEM DATA PARTIAL CLEAR FOR PN-AP00-B WITH AP00 PROGRAM	
		AP OFF LINE
FUNCTION: This command is used to clear the data related only to the designated Command Code among the system data for billing and to assign “0” as the data when using PN-AP00-B with AP00 program.		
PRECAUTION: None		
ASSIGNMENT PROCEDURE: <div style="text-align: center;"> ST + D100 + DE + DXXX + DE + CCC + EXE </div> <div style="text-align: center; margin-top: -10px;"> ↓ Command Code of the data to be deleted </div>		
<p>NOTE: Before use this command, make the PN-AP00-B card OFF LINE by switch setting as shown below.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 20px;"> </div> <div style="margin-right: 20px;"> : Position to be set </div> <div> SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31 </div> </div>		

<p>COMMAND CODE</p>	<p>TITLE:</p>	
<p>D101</p>	<p>BILLING SYSTEM DATA ALL CLEAR FOR PN-AP00-B WITH AP00 PROGRAM</p>	<p style="border: 1px solid black; border-radius: 15px; padding: 2px; display: inline-block;">AP OFF LINE</p>
<p>FUNCTION: This command is used to clear all the system data for billing and to load the initial data when using PN-AP00-B with AP00 program.</p>		
<p>PRECAUTION:</p> <p>(1) To load the initial data of AP00, follow the STEPs below.</p> <p>STEP 1: Assign AP number (XX) to PN-AP00-B (AP00) card by CM05 Y=0>XX: 04.</p> <p>STEP 2: Mount the AP00 card to the AP slot.</p> <p>STEP 3: Make the AP00 card OFF LINE by switch setting as shown below.</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px;"> <p>■ : Position to be set</p> </div> <div style="margin-left: 20px;"> <p>SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31</p> </div> </div> <p>STEP 4: Clear all billing system data by CMD101>0000: CCC from the MAT. The initial data are loaded by this operation.</p> <p>STEP 5: Make the AP00 card ON LINE by switch setting as shown below.</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="text-align: center;">  </div> <div style="margin-left: 20px;"> <p>■ : Position to be set</p> </div> <div style="margin-left: 20px;"> <p>SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31</p> </div> </div> <p>STEP 6: Flip the MB switch on the AP00 card to ON (UP position), then OFF (DOWN position).</p>		

COMMAND CODE	TITLE: BILLING SYSTEM DATA ALL CLEAR FOR PN-AP00-B WITH AP00 PROGRAM	AP OFF LINE
D101		

(2) Following initial data are loaded.

COMMAND	1ST DATA	MEANING	2ND DATA	MEANING
CMD000	2	Language of the messages to be printed out	1	English
CMD000	3	Monetary unit of the bill to be displayed	1	\$ (¢) (XXXX. XX)
CMD000	176	Designation of call charge	1	Call charge by Advice of Charge (AOC) from ISDN network
CMD001	20	Data Speed for No. 0 Port	2	1200 bps
CMD001	23	Parity for No. 0 Port	1	Even Parity
CMD001	80	Equipment connected to No. 0 Port	4	Computer 0
CMD001	82	Message format on No. 0 Port	3	SMDR (NEAX 2400 IMS Format)
CMD001	84	Protocol on No. 0 Port	1	Free Wheel
CMD001	85	Station Address (SA) of a message transmitted to No. 0 Port	48	0
CMD001	86	Unit Address (UA) of a message transmitted to No. 0 Port	33	!
CMD003	28	Maximum number of Call Record for CIS [Not used in North America]	100	100 calls
CMD003	29	Maximum number of Call Record for SMDR/PMS 0	100	100 calls
CMD003	30	Maximum number of Immediate Printout Call Record for Printer 0	100	100 calls
CMD016	0016	Send detail information of C.O. outgoing calls to SMDR/PMS	1	To send
CMD027	0000-0009 000A 000B	Development Table No. 000 + Dialed digit (0-9, A (*), B (#))	9	Send to SMDR terminal
CMD034	0000-0009 000A 000B	Call Development Table No. 000 + Dialed digit (0-9, A (*), B (#))	11	Local Call

<p>COMMAND CODE</p>	<p>TITLE:</p>	
<p>D101</p>	<p>BILLING SYSTEM DATA ALL CLEAR FOR PN-AP00-B WITH AP00 PROGRAM</p>	<p>AP OFF LINE</p>
<p>ASSIGNMENT PROCEDURE:</p> <p>[ST] + D101 + [DE] + 0000 + [DE] + CCC + [EXE]</p>		

COMMAND CODE	TITLE:	
D102	BILLING MEMORY CLEAR FOR PN-AP00-B WITH AP00 PROGRAM	
		AP OFF LINE
FUNCTION:		
This command is used to clear the memory for billing and to load the assigned data for call record when using PN-AP00-B with AP00 program.		
PRECAUTION:		
(1) After billing system data all clear is executed by CMD101, assign the system data in the following order.		
STEP 1: Make the AP00 card OFF LINE by switch setting as shown below.		
		SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31
STEP 2: CMD001>179		
STEP 3: CMD003>23, 24, 25, 26, 28, 29, 30		
STEP 4: CMD102>0000: CCC		
STEP 5: Make the AP00 card ON LINE by switch setting as shown below.		
		SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31
STEP 6: Flip the MB switch on the AP00 card to ON (UP position), then OFF (DOWN position).		

COMMAND CODE	TITLE:
D102	BILLING MEMORY CLEAR FOR PN-AP00-B WITH AP00 PROGRAM
	AP OFF LINE

- (2) "DATA ERROR" is indicated when CMD102>000: CCC is entered in the following cases.
- The sum of all call records numbers set by CMD003>23, 24, 25, 26, 28, 29, 30 exceeds the amount of call records number mentioned in **NOTE** below.
 - System data all clear by CMD101 is not executed.

ASSIGNMENT PROCEDURE:

+ D102 + + ⁰⁰⁰⁰
(4 digits) + + CCC +


NOTE: By entering the 1st data "0000", the status of the Expansion Memory card (PZ-M537) will be displayed as shown below.

Amount of Call Records number of CMD003 1ST data 23, 24, 25, 26, 28, 29, 30			
No EXPMEM on AP00 is provided		EXPMEM on AP00 is provided	
When CMD001>179 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	When CMD001>179 is set to 1 (Center Office of Centralized Billing-CCIS)	When CMD001>179 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	When CMD001>179 is set to 1 (Center Office of Centralized Billing-CCIS)
1600	800	27000: When CMD003>28 is set to 0 (Call Record for CIS is not provided) 26000: When CMD003>28 is set to other than 0 (Call Record for CIS is provided)	

COMMAND CODE		TITLE:	
DD00		SMDR FUNCTIONS (1)/DO NOT DISTURB GROUP SET/CANCEL	
FUNCTION:			
This command is used to assign the Station Message Detail Recording (SMDR) functions and Do not disturb group set/cancel when using PN-AP00-B/PN-AP00-D with MRCA program. [Series 3300]			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{DD00} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (1-3 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (0/1) \end{matrix} + \boxed{\text{EXE}}$			
DATA TABLE:			
			◀: Initial Data
1ST DATA		2ND DATA	
DATA	FUNCTION		
0	Send detail information of tandem calls to SMDR terminal 0	0◀: Not sent 1 : To send	
1	Send detail information of tandem calls to SMDR terminal 1	0◀: Not sent 1 : To send	
2	Send detail information of tandem calls to SMDR for Centralized Billing-CCIS	0◀: Not sent 1 : To send	
3	Local office or Center office for Centralized Billing-CCIS <div style="text-align: center;">APOO INITIAL</div>	0◀: Local office 1 : Center office	
4	Action when the memory for SMDR has overflowed (for SMDR terminal 0)	0◀: New data is stored by deleting the oldest data 1 : No new data is stored	
5	Action when the memory for SMDR has overflowed (for SMDR terminal 1)	0◀: New data is stored by deleting the oldest data 1 : No new data is stored	
6	Operation for displaying the totaled call charge of a individual station [For EU] [Series 3900]	0◀: Not available 1 : Available	
Continued on next page			

COMMAND CODE		TITLE:
DD00		SMDR FUNCTIONS (1)/DO NOT DISTURB GROUP SET/CANCEL
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
7	Action when the memory in local office of Centralized Billing-CCIS for SMDR has overflowed	0◀: New data is stored by deleting the oldest data 1 : No new data is stored
11	Send detail information on abandoned incoming call to SMDR terminal 0 [Series 3500]	0◀: Not sent 1 : To send
12	Send detail information on abandoned incoming call to SMDR terminal 1 [Series 3500]	0◀: Not sent 1 : To send
14	Metering pulse or charging rate sent to SMDR [Series 3500]	0◀: Metering Pulse 1 : Charging Rate
16	Method of call charge for ISDN calls [For EU] [Series 3900]	0◀: MP Built-in charge 1 : Information from ISDN network
20	Do Not Disturb group set/cancel	0◀: Not provided 1 : To provide
21	Whether the printing of Do Not Disturb set/cancel from a individual station [Series 3600]	0◀: Available 1 : Not available
22	Whether the printing of Do Not Disturb for a individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console [Series 3600]	0◀: Available 1 : Not available
23	Whether the printing of Room Cutoff for a individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console [Series 3600]	0◀: Available 1 : Not available
24	Whether the printing of Message Waiting set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console [Series 3600]	0◀: Available 1 : Not available

Continued on next page

COMMAND CODE		TITLE:
DD00		SMDR FUNCTIONS (1)/DO NOT DISTURB GROUP SET/CANCEL
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
25	Whether the printing of Automatic Wake Up set/cancel from a individual station [Series 3600]	0◀: Available 1 : Not available
26	Whether the printing of Automatic Wake Up for a individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console [Series 3600]	0◀: Available 1 : Not available
27	Whether the printing of Automatic Wake Up for a individual station execution [Series 3600]	0◀: Available 1 : Not available
28	Printing way of Automatic Wake Up for a individual station execution [Series 3600] NOTE: <i>When the second data is set to 1, the record of the start of calling/the called station is busy/re-calling is also printed.</i>	0◀: To print only result 1 : To print process and result
33	Whether the printing of Check In/Check In cancel, Check Out/Check Out cancel [Series 3600]	0◀: Available 1 : Not available
34	Whether the printing when the PMS is connected/disconnected to/from the system [Series 3600]	0◀: Available 1 : Not available
35	Whether the printing of Room Status Code Record [Series 3700 R12.2]	0◀: Available 1 : Not available
36	Printing way of Immediate Printout Call Record [Series 3700 R12.2]	0◀: Call charge by MP built-in SMDR 1 : ISDN call charge information
37	Whether the printing of Account Code (ACC)/Authorization Code [Series 3700 R12.2]	0◀: Not available 1 : Available
126	Control of External alarm relay (DK) when the accumulation rate of billing memory exceeds the value set by CMDD01>229  See CMDD01>229	0◀: Relay ON/OFF (every 0.5 seconds) 1 : Relay ON

Continued on next page

COMMAND CODE		TITLE:
DD00		SMDR FUNCTIONS (1)/DO NOT DISTURB GROUP SET/CANCEL
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
160	Whether account code is sent in the Authorization Code Area of Call Record for tandem calls	0◀: Not sent 1 : To send
161	Whether the access code is added in Call Record	0◀: Not added 1 : To add
163	Whether ANI/Caller ID is sent to SMDR	0◀: Not sent 1 : To send
	<p>NOTE 1: CMDD00>163 is not required for NEAX 2400 IMS Extended Format. ANI/Caller ID sent to SMDR in NEAX 2400 IMS Extended Format is done automatically.</p> <p>NOTE 2: When 0 is set, the ANI is not sent to SMDR, but area code for calling party, area code for called party; authorization code is sent to the SMDR.</p>	
164	Whether ISDN call charge information (AOC) is sent to SMDR with NEAX 2400 IMS format [Australia/France]	0◀: Not sent 1 : To send
170	Whether account code is sent in the Authorization Code Area of Call Record for tandem calls to local office of Centralized Billing-CCIS	0◀: Not sent 1 : To send
171	Whether the access code is added in Call Record to local office of Centralized Billing-CCIS	0◀: Not added 1 : To add
172	Whether DID number is set in destination number area of Call Record [Series 3500]	0 : To set 1◀: Not set
173	Whether ANI for local office of Centralized Billing-CCIS is sent to SMDR [Series 3300]	0◀: Not sent 1 : To send
174	Whether ISDN call charge information (AOC) for local office of Centralized Billing-CCIS is sent to SMDR [Series 3300]	0◀: Not sent 1 : To send
175	Metering pulse or charging rate sent to the SMDR for Centralized Billing-CCIS [Series 3500]	0◀: Metering Pulse 1 : Charging Rate

COMMAND CODE		TITLE:	
DD01		SMDR/MCI/PRINTER FOR PMS FUNCTIONS	
FUNCTION:			
<p>This command is used to assign the Station Message Detail Recording (SMDR), Message Center Interface (MCI) and Property Management System (PMS) functions when using PN-AP00-B/PN-AP00-D with MRCA program.</p> <p>[Series 3300]</p>			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{DD01} + \boxed{\text{DE}} + \text{1ST DATA (3 digits)} + \boxed{\text{DE}} + \text{2ND DATA (1-2 digits)} + \boxed{\text{EXE}}$			
DATA TABLE:			
			◀: Initial Data
1ST DATA		2ND DATA	
DATA	FUNCTION		
0	Preservation time for a billing memory of the totaled call charge [For EU] [Series 3900]	0◀ : 32 days 1-255: 1-255 days	
NOTE: When a station do not originate any call during the time set by this command, the totaled call charge of the station is cleared.			
2	Date to total the call charge [For EU] [Series 3900]	0◀ : End of month 1-25: The 1st-25th of the month	
NOTE: From the 26th to the day before end of month can not be assigned.			
3	Selection of memory area to printout the individual station records [For EU] [Series 3900]	0◀ : Not available (No printout) 1 : Memory area of SMDR terminal 0 2 : Memory area of SMDR terminal 1	
12	Room Status Code set by Check In operation [Series 3900]	0◀ : Not used 1 : } 7 : } Room Status Code 8 : }	
Continued on next page			

COMMAND CODE		TITLE:
DD01		SMDR/MCI/PRINTER FOR PMS FUNCTIONS
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
13	Room Status Code set by Check Out operation [Series 3900]	0◀: Not used 1 : } 7 : } Room Status Code 8 : }
14	Room Status Code when pressing Call Recording Function Button [Series 3900]	0◀: Not used 1 : } 7 : } Room Status Code 8 : }
15	Call charge printout when Room Status Code matches the Room Status Code for Check Out set by DD01>13 [Series 3900]	0◀: Not available 1 : Interim Printout per station 2 : Audit Printout per station
100 101 102 103	AP00 RS port assignment for SMDR/MCI/printer for PMS Port 0 Port 1 Port 2 Port 3 <div style="text-align: center; border: 1px solid black; border-radius: 10px; padding: 2px;">AP00 INITIAL</div>	0◀ : No data 3 : SMDR with NEAX 2400 IMS Format 10 : MCI 12 : External printer for PMS
<p>NOTE 1: When CMDD01>100-103: 3/10 is assigned, the initial data is set to specified port as the interface condition. For interface conditions, refer to CMDD10 PRECAUTION. See CMDD10</p> <p>NOTE 2: When using the RS port for SMDR, two ports of port 0 to 3 can be assigned. When two ports are assigned for SMDR, any one of two port should be assigned to SMDR terminal 1 by CMDD10>X00.</p> <p>NOTE 3: When using the RS port for MCI, one port of port 0 to 3 can be assigned.</p> <p>NOTE 4: When using the RS port for PMS, port 1 and port 3 are available.</p> <p>NOTE 5: When setting the second data to 12, the initial data of CMDD10>X00, X01, X02, X03, X04, X05 is set automatically.</p>		

Continued on next page

COMMAND CODE		TITLE:	
DD01		SMDR/MCI/PRINTER FOR PMS FUNCTIONS	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
229	Maximum accumulation rate of billing memory for external alarm output when the rate exceeds assigned value	50-99: 50%-99%	80◀: 80%
<p>NOTE 1: <i>The condition for external alarm is as follows;</i></p> <p>(a) <i>The accumulation rate for the following limit value approaches the value set by CMDD01>229 in advance.</i></p> <p>(b) <i>The accumulation rate for the following limit value approaches full.</i></p> <p>(c) <i>The accumulation rate for the following limit value is less than the assignable range set by CMDD01>229 or is cleared the stored billing memory.</i></p> <p><i>[Limit Value]</i></p> <p>- <i>Limit value of remaining Call Record memory set by CMDD02>0/1/2</i></p> <p>NOTE 2: <i>ON/OFF control for external relay on DK00 card and fault information display can be performed with the condition for external alarm as above.</i></p> <p><i>For case (a): External relay ON/OFF set by CMDD00>126</i></p> <p><i>Fault information display set by CMEA Y=2>28</i></p> <p><i>For case (b): External relay ON/fault information display set by CMEA Y=2>28</i></p> <p><i>For case (c): External relay OFF/fault information display set by CMEA Y=2>38</i></p>			
239	Direction for sending of Centralized Billing information from local office	0◀: Not Centralized Billing office (Local office)	1 : SMDR terminal 0 (Center office) 2 : SMDR terminal 1 (Center office)
<p>NOTE 1: <i>Assign 0 for local office and assign 1 or 2 for center office.</i></p> <p>NOTE 2: <i>The billing information is sent to SMDR terminal with NEAX 2400 IMS Format.</i></p>			

COMMAND CODE	TITLE:
DD02	MAXIMUM NUMBER OF CALL RECORD ASSIGNMENT

FUNCTION:

This command is used to determine the maximum number of call records when using PN-AP00-B/PN-AP00-D with MRCA program.

[Series 3300]

PRECAUTION:

(1) The amount of call record number set by CMDD02>0, 1, 2 must not exceed the following number.

Amount of Call Records number of CMDD02 1ST data 0, 1, 2			
No EXPMEM on AP00 (PN-AP00-B) is provided		EXPMEM on AP00 (PN-AP00-B)/ AP00 (PN-AP00-D) is provided	
CMDD00>3 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	CMDD00>3 is set to 1 (Center Office of Centralized Billing-CCIS)	CMDD00>3 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	CMDD00>3 is set to 1 (Center Office of Centralized Billing-CCIS)
2620	1310	23580	22270

(2) CMDD02>0, 1, 2 are effective after executing CMDD98. Before executing CMDD98, be sure to print out all of the stored call records. CMDD98 deletes all of the stored call records.

ASSIGNMENT PROCEDURE:

[ST] + DD02 + **[DE]** + 1ST DATA (1 digit) + **[DE]** + 2ND DATA (1-5 digits) + **[EXE]**

COMMAND CODE		TITLE:	
DD02		MAXIMUM NUMBER OF CALL RECORD ASSIGNMENT	
DATA TABLE:			
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
0	Maximum number of Call Record sent to SMDR terminal 0 ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : Not record 1 : 1 call ∫ ∫ 23580: 23580 calls	
<p>NOTE 1: When the data is set to 1-23580, external alarm of memory overflow is available, if CM44 2nd data=3001 or CMEA Y=2>28, 38 is assigned.</p> <p>NOTE 2: Billing memory clear by CMDD98 is required.</p>			
1	Maximum number of Call Record sent to SMDR terminal 1 ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : Not record 1 : 1 call ∫ ∫ 23580: 23580 calls	
<p>NOTE 1: When the data is set to 1-23580, external alarm of memory overflow is available, if CM44 2nd data=3002 or CMEA Y=2>28, 38 is assigned.</p> <p>NOTE 2: Billing memory clear by CMDD98 is required.</p>			
2	Maximum number of Call Record for local office of Centralized Billing-CCIS ☞ See PRECAUTION (1), PRECAUTION (2).	0◀ : Not record 1 : 1 call ∫ ∫ 23580: 23580 calls	
<p>NOTE 1: When the data is set to 1-23580, external alarm of memory overflow is available, if CM44 2nd data=3000 or CMEA Y=2>28, 38 is assigned.</p> <p>NOTE 2: Billing memory clear by CMDD98 is required.</p>			

COMMAND CODE	TITLE:		
DD03	OFFICE NUMBER ASSIGNMENT		
FUNCTION:			
<p>This command is used to assign the office number of calling party/center office for Centralized Billing-CCIS when using PN-AP00-B/PN-AP00-D with MRCA program.</p> <p>[Series 3300]</p>			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{DD03} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1-4 digits)} \end{matrix} + \boxed{\text{EXE}}$			
DATA TABLE:			
		1ST DATA	
DATA	FUNCTION		2ND DATA
55	Office number of calling party for Centralized Billing-CCIS. The office number is output to SMDR when the office number of calling party is not sent from the local office. <p style="text-align: right;">NOTE</p>		0-9999: Local Office No. of calling party
56	Office number of center office for Centralized Billing-CCIS <p style="text-align: right;">NOTE</p>		0-9999: Center Office No.
<p>NOTE: <i>If using a leading digits of 0 and 0 is required to print at the SMDR terminal, assign "A" for each leading 0 to be printed. If the leading digits 0 is not required to print at the SMDR terminal, assign "0".</i></p>			

COMMAND CODE		TITLE:	
DD04		SMDR FUNCTIONS (2)	
FUNCTION:			
<p>This command is used to assign the Station Message Detail Recording (SMDR) functions when using PN-AP00-B/PN-AP00-D with MRCA program.</p> <p>[Series 3300]</p>			
PRECAUTION:			
None			
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{DD04} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(4 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(0/1)} \end{matrix} + \boxed{\text{EXE}}$			
DATA TABLE:			
			◀: Initial Data
1ST DATA		2ND DATA	
DATA	FUNCTION		
XX00	Send detail information of C.O./Tie Line outgoing calls to SMDR terminal 0 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32	0◀: Not sent 1 : To send	
XX01	Send detail information of outgoing calls excluding C.O./Tie Line outgoing calls to SMDR terminal 0 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32 [Series 3500]	0◀: Not sent 1 : To send	
XX02	Send detail information of C.O./Tie Line outgoing calls to SMDR terminal 1 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32 [Series 3500]	0◀: Not sent 1 : To send	
XX03	Send detail information of outgoing calls excluding C.O./Tie Line outgoing calls to SMDR terminal 1 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32 [Series 3500]	0◀: Not sent 1 : To send	
XX04	Send detail information of C.O./Tie Line outgoing calls to SMDR for Centralized billing-CCIS XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32	0◀: Not sent 1 : To send	
Continued on next page			

COMMAND CODE		TITLE:
DD04		SMDR FUNCTIONS (2)
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
XX06	Send detail information of C.O./Tie Line incoming calls to SMDR terminal 0 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32	0◀: Not sent 1 : To send
XX07	Send detail information of C.O./Tie Line incoming calls to SMDR terminal 1 XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32	0◀: Not sent 1 : To send
XX08	Send detail information of C.O./Tie Line incoming calls to SMDR from local office of Centralized Billing XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32	0◀: Not sent 1 : To send
XX12	Send detail information of station-to-station calls to SMDR terminal 0 XX: Service Class No. assigned by CM12 Y=45 [Series 3600]	0◀: Not sent 1 : To send
XX13	Send detail information of station-to-station calls to SMDR terminal 1 XX: Service Class No. assigned by CM12 Y=45 [Series 3600]	0◀: Not sent 1 : To send
XX14	Send detail information of Immediate Printout Call Record for the PMS XX: Service Class No. assigned by CM12 Y=45 [Series 3700 R12.2]	0◀: Not sent 1 : To send
XX16	Accumulate the call charge XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32 [For EU] [Series 3900]	0◀: Not accumulated 1 : To accumulate
XX18	The operation set by CMDD31 is executed simultaneously when Room Status Code is set/changed XX: Service Class No. assigned by CM12 Y=45/CM60 Y=32 [Series 3900]	0◀: Not executed 1 : To execute

COMMAND CODE	TITLE:		
DD10	INTERFACE CONDITION FOR AP00 RS PORT		(AP00 INITIAL)
FUNCTION:			
This command is used to assign the interface conditions of the RS port for SMDR with NEAX 2400 IMS Format/MCI when using PN-AP00-B/PN-AP00-D with MRCA program.			
[Series 3300]			
PRECAUTION:			
Initial data of CMDD10 is based on CMDD01>100-103. Refer to the following tables for the initial data.			
	SMDR with NEAX 2400 IMS Format (CMDD01>100-103: 3)	MCI (CMDD01>100-103: 10)	PMS (CMDD01>101/103: 12)
Equipment Type (X00)	1 (SMDR terminal 0)	-	6 (External printer)
Data Speed (X01)	2 (1200 bps)	5 (9600 bps)	2 (1200 bps)
Stop Bit Length (X02)	2 (2 bits)	2 (2 bits)	2 (2 bit)
Data Length (X03)	1 (8 bit)	0 (7 bit)	1 (8 bit)
Parity (X04)	0 (No Parity)	0 (No Parity)	0 (No Parity)
Station Address (SA) (X05)	48 (0)	48 (0)	0 (80 digits)
Unit Address (UA) (X06)	33 (!)	33 (!)	-
Send the text to the VMS when the AP00 card is reset (X07)	-	0 (To sent)	-
Number of digits for station number in the message format to communicate with the VMS (X08)	-	0 (6 digit)	-
Message Format (X09)	-	0 (Basic Format (without ANI))	-
Message Format (X10)	0 (Former NEAX 2400 IMS Format)	-	-
Guard Timer between texts (X17)	-	5 (512-640 ms.)	-
ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}}$ + DD10 + $\boxed{\text{DE}}$ + 1ST DATA (3 digits) + $\boxed{\text{DE}}$ + 2ND DATA (1-2 digits) + $\boxed{\text{EXE}}$			

COMMAND CODE		TITLE:	AP00 INITIAL
DD10		INTERFACE CONDITION FOR AP00 RS PORT	
DATA TABLE:			
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
X00	Equipment Type for Port 0-3 X: Port 0-3 (0-3) for SMDR X: Port 1/3 (1/3) for printer for PMS	For SMDR 1 ◀: SMDR terminal 0 2 : SMDR terminal 1 For printer for PMS 6 ◀: External printer	
X01	Data Speed for Port 0-3 X: Port 0-3 (0-3) for SMDR/MCI X: Port 1/3 (1/3) for printer for PMS	For SMDR 1 : 300 bps 2 ◀: 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps 6 : 19200 bps For MCI 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps 5 ◀: 9600 bps 6 : 19200 bps For printer for PMS 1 : 300 bps 2 ◀: 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps	
X02	Stop Bit Length for Port 0-3 X: Port 0-3 (0-3) for SMDR X: Port 1/3 (1/3) for printer for PMS	For SMDR/printer for PMS 0 : 1 bit 1 : 1.5 bits 2 ◀: 2 bits	

Continued on next page

COMMAND CODE		TITLE:	AP00 INITIAL
DD10		INTERFACE CONDITION FOR AP00 RS PORT	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
X03	Data Length for Port 0-3 X: Port 0-3 (0-3) for SMDR X: Port 1/3 (1/3) for printer for PMS	For SMDR/printer for PMS 0 : 7 bit 1◀: 8 bit For MCI 0◀: 7 bit 1 : 8 bit	
X04	Parity for Port 0-3 X: Port 0-3 (0-3) for SMDR X: Port 1/3 (1/3) for printer for PMS	For SMDR/printer for PMS 0◀: No Parity 1 : Even Parity 2 : Odd Parity	
X05	Station Address (SA) for port 0-3 for SMDR X: Port 0-3 (0-3)	00 :No data 48◀: 0	
	Printer Digit Number for port 1/3 for printer for PMS X: Port 1/3 (1/3)	0◀: 80 digits 1 : 20 digits	
X06	Unit Address (UA) for Port 0-3 X: Port 0-3 (0-3)	32 : Space (No information) 33◀: !	
X07	Sending the text (Message Waiting control text sending is available) to the VMS when the AP00 card is reset for Port 0-3 X: Port 0-3 (0-3)	0◀: To send 1 : Not sent	
X08	Number of digits for station number in the message format to communicate with the VMS for Port 0-3 X: Port 0-3 (0-3)	0◀: 6 digit 1 : 8 digit	
X09	MCI Message Format for Port 0-3 X: Port 0-3 (0-3)	0◀: Format without ANI 1 : Format with ANI	
X10	SMDR Message Format for Port 0-3 X: Port 0-3 (0-3)	0◀: Former NEAX 2400 IMS Format 1 : Extended NEAX 2400 IMS Format	
X17	MCI Guard Timer between texts for Port 0-3 X: Port 0-3 (0-3)	0 : No timer control 1 : 0-128 ms. 2 : 128-256 ms. 3 : 256-384 ms. 4 : 384-512 ms. 5◀: 512-640 ms.	

COMMAND CODE	TITLE:
DD20,DD21,DD22	DO NOT DISTURB GROUP SET/CANCEL ASSIGNMENT

FUNCTION:

This command is used to assign the Do Not Disturb group set/cancel when using PN-AP00-B/PN-AP00-D with MRCA program.

[Series 3300]

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + DD20 + [DE] + 1ST DATA (4 digits) + [DE] + 2ND DATA (1 digit) + [EXE]

[ST] + DD21 + [DE] + 1ST DATA (1 digit) + [DE] + 2ND DATA (1 digit) + [EXE]

[ST] + DD22 + [DE] + 1ST DATA (5 digits) + [DE] + 2ND DATA (0/1) + [EXE]

DATA TABLE:

- CMDD20

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
XXYY	Timing of Do Not Disturb group set/cancel for a specific day. XX: 01-12 (Month) YY: 01-31 (Date)	0◀: As for week data of CMDD21 1 : As for Time Table No. 1 of CMDD22 2 : As for Time Table No. 2 of CMDD22 3 : As for Time Table No. 3 of CMDD22

Continued on next page

COMMAND CODE	TITLE:
DD20,DD21,DD22	DO NOT DISTURB GROUP SET/CANCEL ASSIGNMENT

- CMDD21

1ST DATA		2ND DATA																																
DATA	FUNCTION																																	
X	Timing of Do Not Disturb group set/cancel for each day of the week X: 1-7 1 : Sunday 2 : Monday 3 : Tuesday 4 : Wednesday 5 : Thursday 6 : Friday 7 : Saturday	0-3: Time Table No. 0-3 of CMDD22 Initial data of CMDD21>1-7 is as follows <table border="1" data-bbox="862 663 1401 1079" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>1ST DATA</th> <th>MEANING</th> <th>2ND DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sunday</td> <td>1</td> <td>Time Table No. 1</td> </tr> <tr> <td>2</td> <td>Monday</td> <td>0</td> <td>Time Table No. 0</td> </tr> <tr> <td>3</td> <td>Tuesday</td> <td>0</td> <td>Time Table No. 0</td> </tr> <tr> <td>4</td> <td>Wednesday</td> <td>0</td> <td>Time Table No. 0</td> </tr> <tr> <td>5</td> <td>Thursday</td> <td>0</td> <td>Time Table No. 0</td> </tr> <tr> <td>6</td> <td>Friday</td> <td>0</td> <td>Time Table No. 0</td> </tr> <tr> <td>7</td> <td>Saturday</td> <td>1</td> <td>Time Table No. 1</td> </tr> </tbody> </table>	1ST DATA	MEANING	2ND DATA	MEANING	1	Sunday	1	Time Table No. 1	2	Monday	0	Time Table No. 0	3	Tuesday	0	Time Table No. 0	4	Wednesday	0	Time Table No. 0	5	Thursday	0	Time Table No. 0	6	Friday	0	Time Table No. 0	7	Saturday	1	Time Table No. 1
1ST DATA	MEANING	2ND DATA	MEANING																															
1	Sunday	1	Time Table No. 1																															
2	Monday	0	Time Table No. 0																															
3	Tuesday	0	Time Table No. 0																															
4	Wednesday	0	Time Table No. 0																															
5	Thursday	0	Time Table No. 0																															
6	Friday	0	Time Table No. 0																															
7	Saturday	1	Time Table No. 1																															

- CMDD22

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
XYZZZ	Timing of Do Not Disturb group set/cancel X : 0-3 (Time Table No. 0-3) YY: 00-23 (Hour) ZZ : 00-55 (Minute [5 minutes increments])	0◀: Do Not Disturb Group Cancel 1 : Do Not Disturb Group Set

COMMAND CODE	TITLE:	
DD31	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.		
[Series 3900]		
PRECAUTION:		
None		
ASSIGNMENT PROCEDURE:		
$\boxed{\text{ST}} + \text{DD31} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(3 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{EXE}}$		
DATA TABLE:		
		◀: Initial Data
1ST DATA (X: ROOM STATUS CODE 1-8)		2ND DATA
DATA	FUNCTION	
X00	Room Cutoff set/reset	0◀: Not available 1 : set 2 : reset
X01	Do Not Disturb set/reset	0◀: Not available 1 : set 2 : reset
X02	Wake Up Call reset	0◀: Not available 1 : Available
X03	Message Waiting set/reset	0◀: Not available 1 : set 2 : reset
X04	Check In Time clear	0◀: Not deleted 1 : To delete
X05	Room Status Code dialed from guest room is allowed	0◀: Not allowed 1 : Allow
Continued on next page		

COMMAND CODE		TITLE: ROOM STATUS CODE
DD31		
◀: Initial Data		
1ST DATA (X: ROOM STATUS CODE 1-8)		2ND DATA
DATA	FUNCTION	
X06	Automatic change of Trunk Restriction Class	0◀: Not available 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) 9 : Restriction reset (according to the setting of CM12 Y=01)
X07	Check Out lamp control on DSS Console	0◀: Not controlled 1 : Lamp OFF 2 : Flash (slowly) 3 : Flash (120 IPM) 4 : Lamp ON

COMMAND CODE	TITLE:	
DD98	BILLING MEMORY CLEAR FOR PN-AP00-B/ PN-AP00-D WITH MRCA PROGRAM	
		AP OFF LINE
FUNCTION:		
This command is used to clear the memory for billing and to load the assigned data for call record when using PN-AP00-B/PN-AP00-D with MRCA program.		
[Series 3300]		
PRECAUTION:		
(1) After billing system data all clear is executed by CMDD99, assign the system data in the following order.		
STEP 1: Make the AP00 card OFF LINE by switch setting as shown below.		
		SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31
STEP 2: CMDD00>3		
STEP 3: CMDD02>0, 1, 2		
STEP 4: CMDD98>0000: CCC		
STEP 5: Make the AP00 card ON LINE by switch setting as shown below.		
		SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31
STEP 6: Flip the MB switch on the AP00 card to ON (UP position), then OFF (DOWN position).		

COMMAND CODE	TITLE:	
DD98	BILLING MEMORY CLEAR FOR PN-AP00-B/ PN-AP00-D WITH MRCA PROGRAM	AP OFF LINE

- (2) "DATA ERROR" is indicated when CMDD98>000: CCC is entered in the following cases.
- The sum of all call records numbers set by CMDD02>0, 1, 2 exceeds the amount of call records number mentioned in **NOTE** below.
 - System data all clear by CMDD99 is not executed.

ASSIGNMENT PROCEDURE:

ST + DD98 + **DE** + 0000 + **DE** + CCC + **EXE**

NOTE: By entering the 1st data "0000", the status of the Expansion Memory card (PZ-M537) will be displayed as shown below.

Amount of Call Records number of CMDD02 1ST data 0, 1, 2			
No EXPMEM on AP00 (PN-AP00-B) is provided		EXPMEM on AP00 (PN-AP00-B)/ AP00 (PN-AP00-D) is provided	
CMDD00>3 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	CMDD00>3 is set to 1 (Center Office of Centralized Billing-CCIS)	CMDD00>3 is set to 0 (Local Office of Centralized Billing-CCIS/ Stand-alone)	CMDD00>3 is set to 1 (Center Office of Centralized Billing-CCIS)
2620	1310	23580	22270

<p>COMMAND CODE</p>	<p>TITLE:</p>	
<p>DD99</p>	<p>BILLING SYSTEM DATA ALL CLEAR FOR PN-AP00-B/PN-AP00-D WITH MRCA PROGRAM</p>	<p>AP OFF LINE</p>
<p>FUNCTION:</p>		
<p>This command is used to clear all the system data for billing and to load the initial data when using PN-AP00-B/PN-AP00-D with MRCA program.</p>		
<p>[Series 3300]</p>		
<p>PRECAUTION:</p>		
<p>To load the initial data of AP00, follow the STEPs below.</p>		
<p>STEP 1: Assign AP number (XX) to PN-AP00-B/PN-AP00-D (AP00) card by CM05 Y=0>XX: 04.</p>		
<p>STEP 2: Mount the AP00 card to the AP slot.</p>		
<p>STEP 3: Make the AP00 card OFF LINE by switch setting as shown below.</p>		
	<p>■ : Position to be set</p>	<p>SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31</p>
<p>STEP 4: Clear all billing system data by CMDD99>0000: CCC from the MAT. The initial data are loaded by this operation.</p>		
<p>STEP 5: Make the AP00 card ON LINE by switch setting as shown below.</p>		
	<p>■ : Position to be set</p>	<p>SW1-4 should be set as follows; ON : The AP No. is 04-15 OFF: The AP No. is 20-31</p>
<p>STEP 6: Flip the MB switch on the AP00 card to ON (UP position), then OFF (DOWN position).</p>		

COMMAND CODE	TITLE:
DD99	BILLING SYSTEM DATA ALL CLEAR FOR PN-AP00-B/PN-AP00-D WITH MRCA PROGRAM AP OFF LINE

ASSIGNMENT PROCEDURE:

[ST] + DD99 + [DE] + 0000 + [DE] + CCC + [EXE]

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CHAPTER 4

RESIDENT SYSTEM PROGRAM

This resident system program generates system data automatically according to the system hardware configuration, thereby providing immediate operation and shorter programming time.

When activated, the system scans hardware configuration (such as line/trunk card location) and assigns the system data (such as station numbers, trunk numbers, etc.) according to a predetermined generic program assignment.

HOW TO LOAD RESIDENT SYSTEM PROGRAM	886
SERVICE CONDITIONS	887
PROGRAMMED DATA TABLES	888

HOW TO LOAD RESIDENT SYSTEM PROGRAM

STEP1: On the MP card, set the SW3 to “C”, then press the SW1.

STEP2: After 30-40 seconds, confirm the status of the MJ/MN lamp on the PWR card.

- When the MN lamp lights, the office data has been normally registered.
- When the MJ lamp lights, the office data has not been normally registered.

Repeat STEP 1-STEP 2.

STEP3: On the MP card, set the SW3 to “0”.

- The MP card has been changed to the ON LINE mode.

SERVICE CONDITIONS

- (1) This service is applicable for equipment installed in PIM0 through PIM3.
- (2) Data for any vacant slot is not assigned.
- (3) Virtual stations are not assigned.
- (4) A line/trunk card (PN-DK00/PN-CFTA/PN-CFTB/PN-2AMP/PN-4DAT/PN-4RSTF/PN-4RSTF-A/PN-4RSTH/PN-4VCT/PN-16VCT/PN-32IPLA/PN-8IPLA) is not assigned, even if mounted.
- (5) An application card is not assigned, even if mounted.
- (6) No tenant assignment is provided.
(Tenant 01 is assigned)
- (7) Details of Resident System Program
For the other commands which are not described in Programmed Data Table, the initial data are loaded by the Resident System Program.
- (8) Resident System Program cannot be used when providing a Remote PIM over IP feature.

PROGRAMMED DATA TABLES

- AP/FP Assignment (CM05) [Series 3200 R6.2 (R6.2)]

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
0	00	00	
	01	00	
	02	00	
	03	00	
	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
0	24	NONE	
	25	NONE	
	26	NONE	
	27	NONE	
	28	NONE	
	29	NONE	
	30	NONE	
	31	NONE	
	32	NONE	
	33	NONE	
	34	NONE	
	35	NONE	
	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
0	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	
	56	NONE	
	57	NONE	
	58	NONE	
	59	NONE	
	60	NONE	
	61	NONE	
	62	NONE	
	63	NONE	
	64	NONE	
	65	NONE	
	66	NONE	
	67	NONE	
	68	NONE	
	69	NONE	
	70	NONE	
	71	NONE	
72	NONE		
73	NONE		
74	NONE		
75	NONE		
76	NONE		
77	NONE		
78	NONE		
79	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
0	80	NONE	
	81	NONE	
	82	NONE	
	83	NONE	
	84	NONE	
	85	NONE	
	86	NONE	
	87	NONE	
	88	NONE	
	89	NONE	
	90	NONE	
	91	NONE	
	92	NONE	
	93	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	AP NUMBER	DATA	
0	04	NONE	} NOTE 1 } NOTE 2
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
	27	NONE	
28	NONE		
29	NONE		
30	NONE		
31	NONE		

NOTE 1: *If the ATI card (PN-CS00) is mounted on the AP slot and the SENS switch of ATI is set to 4, this data is set to "01".*

NOTE 2: *If the ATI card (PN-CS00) is mounted on the AP slot and the SENS switch of ATI is set to 5, this data is set to "01".*

NOTE 3: *The AP card is not assigned, even if mounted.*

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	AP NUMBER	DATA	
0	64	NONE	
	65	NONE	
	66	NONE	
	67	NONE	
	68	NONE	
	69	NONE	
	70	NONE	
	71	NONE	
	72	NONE	
	73	NONE	
	74	NONE	
	75	NONE	
	76	NONE	
	77	NONE	
	78	NONE	
	79	NONE	
	80	NONE	
	81	NONE	
	82	NONE	
	83	NONE	
	84	NONE	
	85	NONE	
	86	NONE	
	87	NONE	
	88	NONE	
	89	NONE	
	90	NONE	

NOTE: *The AP card is not assigned, even if mounted.*

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	AP NUMBER	DATA	
0	91	NONE	
	92	NONE	
	93	NONE	

NOTE: *The AP card is not assigned, even if mounted.*

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
0	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
	27	NONE	
28	NONE		
29	NONE		
30	NONE		
31	NONE		
32	NONE		
33	NONE		
34	NONE		
35	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
0	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	
56	NONE		
57	NONE		
58	NONE		
59	NONE		
60	NONE		
61	NONE		
62	NONE		
63	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
0	64	NONE	
	65	NONE	
	66	NONE	
	67	NONE	
	68	NONE	
	69	NONE	
	70	NONE	
	71	NONE	
	72	NONE	
	73	NONE	
	74	NONE	
	75	NONE	
	76	NONE	
	77	NONE	
	78	NONE	
	79	NONE	
	80	NONE	
	81	NONE	
	82	NONE	
	83	NONE	
	84	NONE	
	85	NONE	
	86	NONE	
	87	NONE	
	88	NONE	
	89	NONE	
	90	NONE	
	91	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
0	92	NONE	
	93	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	AP NUMBER	DATA	
1	04	1	
	05	1	
	06	1	
	07	1	
	08	1	
	09	1	
	10	1	
	11	1	
	12	1	
	13	1	
	14	1	
	15	1	
	20	1	
	21	1	
	22	1	
	23	1	
	24	1	
	25	1	
	26	1	
	27	1	
	28	1	
	29	1	
	30	1	
	31	1	
	64	1	
	65	1	
	66	1	
	67	1	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	AP NUMBER	DATA	
1	68	1	
	69	1	
	70	1	
	71	1	
	72	1	
	73	1	
	74	1	
	75	1	
	76	1	
	77	1	
	78	1	
	79	1	
	80	1	
	81	1	
	82	1	
	83	1	
	84	1	
	85	1	
	86	1	
	87	1	
	88	1	
	89	1	
	90	1	
	91	1	
	92	1	
	93	1	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
2	00	NONE	
	01	NONE	
	02	NONE	
	03	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
3	00	NONE	
	01	NONE	
	02	NONE	
	03	NONE	
	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
27	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
3	28	NONE	
	29	NONE	
	30	NONE	
	31	NONE	
	32	NONE	
	33	NONE	
	34	NONE	
	35	NONE	
	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
3	56	NONE	
	57	NONE	
	58	NONE	
	59	NONE	
	60	NONE	
	61	NONE	
	62	NONE	
	63	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
4	00	NONE	
	01	NONE	
	02	NONE	
	03	NONE	
	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
27	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
4	28	NONE	
	29	NONE	
	30	NONE	
	31	NONE	
	32	NONE	
	33	NONE	
	34	NONE	
	35	NONE	
	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
4	56	NONE	
	57	NONE	
	58	NONE	
	59	NONE	
	60	NONE	
	61	NONE	
	62	NONE	
	63	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
4	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
	27	NONE	
28	NONE		
29	NONE		
30	NONE		
31	NONE		
32	NONE		
33	NONE		
34	NONE		
35	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
4	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	
56	NONE		
57	NONE		
58	NONE		
59	NONE		
60	NONE		
61	NONE		
62	NONE		
63	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
5	01	1	
	02	1	
	03	1	
	16	1	
	17	1	
	18	1	
	19	1	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
6	00	3	
	01	3	
	02	3	
	03	3	
	04	3	
	05	3	
	06	3	
	07	3	
	08	3	
	09	3	
	10	3	
	11	3	
	12	3	
	13	3	
	14	3	
	15	3	
	16	3	
	17	3	
	18	3	
	19	3	
	20	3	
	21	3	
	22	3	
	23	3	
	24	3	
	25	3	
	26	3	
27	3		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
6	28	3	
	29	3	
	30	3	
	31	3	
	32	3	
	33	3	
	34	3	
	35	3	
	36	3	
	37	3	
	38	3	
	39	3	
	40	3	
	41	3	
	42	3	
	43	3	
	44	3	
	45	3	
	46	3	
	47	3	
	48	3	
	49	3	
	50	3	
	51	3	
	52	3	
	53	3	
	54	3	
	55	3	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
6	56	3	
	57	3	
	58	3	
	59	3	
	60	3	
	61	3	
	62	3	
	63	3	
	64	3	
	65	3	
	66	3	
	67	3	
	68	3	
	69	3	
	70	3	
	71	3	
	72	3	
	73	3	
	74	3	
	75	3	
76	3		
77	3		
78	3		
79	3		
80	3		
81	3		
82	3		
83	3		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
6	84	3	
	85	3	
	86	3	
	87	3	
	88	3	
	89	3	
	90	3	
	91	3	
	92	3	
	93	3	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
6	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
	27	NONE	
28	NONE		
29	NONE		
30	NONE		
31	NONE		
32	NONE		
33	NONE		
34	NONE		
35	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
6	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	
56	NONE		
57	NONE		
58	NONE		
59	NONE		
60	NONE		
61	NONE		
62	NONE		
63	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
6	64	NONE	
	65	NONE	
	66	NONE	
	67	NONE	
	68	NONE	
	69	NONE	
	70	NONE	
	71	NONE	
	72	NONE	
	73	NONE	
	74	NONE	
	75	NONE	
	76	NONE	
	77	NONE	
	78	NONE	
	79	NONE	
	80	NONE	
	81	NONE	
	82	NONE	
	83	NONE	
	84	NONE	
	85	NONE	
	86	NONE	
	87	NONE	
	88	NONE	
	89	NONE	
	90	NONE	
	91	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	VIRTUAL AP NUMBER	DATA	
6	92	NONE	
	93	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
7	00	3	
	01	3	
	02	3	
	03	3	
	04	3	
	05	3	
	06	3	
	07	3	
	08	3	
	09	3	
	10	3	
	11	3	
	12	3	
	13	3	
	14	3	
	15	3	
	16	3	
	17	3	
	18	3	
	19	3	
	20	3	
	21	3	
	22	3	
	23	3	
	24	3	
	25	3	
	26	3	
27	3		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
7	28	3	
	29	3	
	30	3	
	31	3	
	32	3	
	33	3	
	34	3	
	35	3	
	36	3	
	37	3	
	38	3	
	39	3	
	40	3	
	41	3	
	42	3	
	43	3	
	44	3	
	45	3	
	46	3	
	47	3	
	48	3	
	49	3	
	50	3	
	51	3	
	52	3	
	53	3	
	54	3	
	55	3	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
7	56	3	
	57	3	
	58	3	
	59	3	
	60	3	
	61	3	
	62	3	
	63	3	
	64	3	
	65	3	
	66	3	
	67	3	
	68	3	
	69	3	
	70	3	
	71	3	
	72	3	
	73	3	
	74	3	
	75	3	
76	3		
77	3		
78	3		
79	3		
80	3		
81	3		
82	3		
83	3		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
7	84	3	
	85	3	
	86	3	
	87	3	
	88	3	
	89	3	
	90	3	
	91	3	
	92	3	
	93	3	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
8	00	NONE	
	01	NONE	
	02	NONE	
	03	NONE	
	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
27	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
8	28	NONE	
	29	NONE	
	30	NONE	
	31	NONE	
	32	NONE	
	33	NONE	
	34	NONE	
	35	NONE	
	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
8	56	NONE	
	57	NONE	
	58	NONE	
	59	NONE	
	60	NONE	
	61	NONE	
	62	NONE	
	63	NONE	
	64	NONE	
	65	NONE	
	66	NONE	
	67	NONE	
	68	NONE	
	69	NONE	
	70	NONE	
	71	NONE	
	72	NONE	
	73	NONE	
	74	NONE	
	75	NONE	
76	NONE		
77	NONE		
78	NONE		
79	NONE		
80	NONE		
81	NONE		
82	NONE		
83	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
8	84	NONE	
	85	NONE	
	86	NONE	
	87	NONE	
	88	NONE	
	89	NONE	
	90	NONE	
	91	NONE	
	92	NONE	
	93	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
9	00	NONE	
	01	NONE	
	02	NONE	
	03	NONE	
	04	NONE	
	05	NONE	
	06	NONE	
	07	NONE	
	08	NONE	
	09	NONE	
	10	NONE	
	11	NONE	
	12	NONE	
	13	NONE	
	14	NONE	
	15	NONE	
	16	NONE	
	17	NONE	
	18	NONE	
	19	NONE	
	20	NONE	
	21	NONE	
	22	NONE	
	23	NONE	
	24	NONE	
	25	NONE	
	26	NONE	
27	NONE		

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
9	28	NONE	
	29	NONE	
	30	NONE	
	31	NONE	
	32	NONE	
	33	NONE	
	34	NONE	
	35	NONE	
	36	NONE	
	37	NONE	
	38	NONE	
	39	NONE	
	40	NONE	
	41	NONE	
	42	NONE	
	43	NONE	
	44	NONE	
	45	NONE	
	46	NONE	
	47	NONE	
	48	NONE	
	49	NONE	
	50	NONE	
	51	NONE	
	52	NONE	
	53	NONE	
	54	NONE	
	55	NONE	

Continued on next page

AP/FP Assignment

CM05			REMARKS
Y	FP NUMBER	DATA	
9	56	NONE	
	57	NONE	
	58	NONE	
	59	NONE	
	60	NONE	
	61	NONE	
	62	NONE	
	63	NONE	

- ATTCON Number Assignment (CM06)

The following data is assigned for ATTCON Number 0, 1.

ATTCON Number Assignment

CM06 Y=01			REMARKS
ATTCON No.	AP No.	CIRCUIT No.	
0	04	0	
1	05	0	
2	NONE	NONE	
3	NONE	NONE	
4	NONE	NONE	
5	NONE	NONE	
6	NONE	NONE	
7	NONE	NONE	

- Basic Service Feature (CM08)

The following data is assigned on a per service feature basis.

Basic Service Feature

◀: Initial Data

CM08											
FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀
010	1	074	1	137	1	194	1	251	1	357	1
011	1	075	1	138	1	199	1	253	1	359	1
012	1	076	1	140	1	200	1	254	1	361	1
014	1	077	1	141	1	201	1	255	1	362	1
018	1	078	1	142	1	204	1	258	1	363	1
020	1	085	1	143	1	205	1	259	1	365	1
021	1	088	1	144	1	206	1	262	1	366	1
025	1	090	1	145	1	207	1	265	1	367	1
026	1	094	1	146	1	208	1	267	1	368	1
027	1	095	1	147	1	212	1	268	1	369	1
028	1	096	1	148	1	213	1	269	1	370	1
029	1	101	1	149	1	214	1	270	1	371	1
032	1	102	1	150	1	215	1	271	1	372	1
035	1	103	1	151	1	216	1	274	1	373	1
036	1	104	1	153	1	217	1	280	1	376	1
037	1	109	1	155	1	220	1	281	1	377	1
040	1	110	1	156	1	221	1	282	1	378	1
043	1	111	1	157	1	222	1	283	1	379	1
044	1	112	1	158	1	227	1	284	1	380	1
045	1	113	1	161	1	228	1	286	1	381	1
046	1	114	1	162	1	229	1	287	1	382	1
048	1	115	1	163	1	232	1	289	1	386	1
050	1	116	1	165	1	233	1	293	1	388	1
051	1	117	1	168	1	234	1	294	1	390	1
055	1	119	1	171	1	235	1	301	1	391	0
056	1	120	1	172	1	236	1	311	1	392	1
057	1	121	1	176	1	237	1	319	1	396	1
062	1	123	1	177	1	238	1	322	1	397	1
063	1	124	1	178	1	239	1	324	1	398	1
064	1	125	1	179	1	240	1	331	1	400	1
067	1	126	1	180	1	241	1	333	1	401	1
068	1	130	1	181	1	244	1	334	1	402	1
069	1	133	1	185	1	245	1	335	1	403	1
070	1	135	1	187	1	246	1	352	1	404	1
073	1	136	1	193	1	250	1	353	1	405	1

Continued on next page

Basic Service Feature

◀: Initial Data

CM08									
FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀	FEATURE No.	DATA 0/1◀
407	1	474	1	556	1	655	1	816	1
420	1	475	1	557	1	664	1	817	1
421	1	477	1	558	1	665	1	818	1
422	1	478	1	559	1	666	1	820	1
424	1	479	1	563	1	669	1	823	1
425	1	487	1	564	1	672	1	824	1
426	1	489	1	566	1	675	1	825	1
427	1	493	1	567	1	676	1	826	1
428	1	503	1	570	1	677	1	827	1
429	1	504	1	576	1	679	1	828	1
430	1	507	1	577	1	699	1	830	1
431	1	508	1	578	1	700	1	835	1
432	1	509	1	579	1	702	1	836	1
434	1	510	1	580	1	703	1	837	1
441	1	513	1	582	1	704	1	839	1
442	1	514	1	583	1	705	1	840	1
443	1	515	1	584	1	706	1	841	1
444	1	516	1	585	1	708	1	846	1
445	1	517	1	588	1	709	1	847	1
448	1	519	1	589	1	713	1	849	1
449	1	521	1	600	1	715	1	850	1
450	1	522	1	602	1	722	1	851	1
451	1	524	1	603	1	723	1	900	1
456	1	525	1	606	1	728	1	904	1
457	1	527	1	607	1	734	1		
460	1	528	1	608	1	735	1		
461	1	531	1	614	1	800	1		
462	1	534	1	618	1	801	1		
463	1	537	1	624	1	803	1		
464	1	538	1	626	1	804	1		
465	1	542	1	627	1	805	1		
467	1	543	1	628	1	806	1		
470	1	548	1	629	1	808	1		
471	1	549	1	633	1	809	1		
472	1	554	1	642	1	811	1		
473	1	555	1	649	1	815	1		

- Station Number, Trunk Number, Card Number (CM10/CM14)

The following data is assigned according to the sequential slot location number of the associated circuit cards.

Station Number, Trunk Number, Card Number

CARD	PURPOSE	ASSIGNED DATA	REMARKS
PN-4/8LC	Single Line Telephone	200-455	Station Numbers 200 through 455 for Single Line Telephone and D ^{term} are assigned according to sequential slot location number of associated circuit card.
PN-2/4/8DLC	D ^{term}	F200-F455	
PN-2/4/8DLC	ATTCON/ DESKCON	E004-E007	ATTCON Numbers E004 through E007 are assigned according to sequential slot location number of associated circuit card.
PN-2/4/8COT PN-2/4LDT PN-2ODT	Trunk	D000-D255	
PN-8RST	DTMF Receiver	E201-E203 (PIM0/1) E204-E207 (PIM2/3)	Consecutive card number beginning at 00 is assigned according to the sequential slot location number of the associated circuit cards.

NOTE: *If the DSS Console is not connected to the system, though PN-4DLC card is mounted in the slot, the data (F200-F455) for D^{term} is assigned.*

- Station Class Data (CM12, CM13)

The following data is assigned on a per station basis.

Station Class Data

◀: Initial Data

CM10/CM14	CM12															
STATION No. TRUNK No. CARD No. (1-10 DIGITS)	Y															
	00	01		02		03	04	05	07	11	12	13	16	17	19	20
	1 ? 3	DAY 1 ? 8	NIGHT 1 ? 8	A 00 ? 15	B 00 ? 15	00 ? 15	00 ? 63	0/1	00 ? 15	0 ? 3	X ? XXXX	00 ? 15	D000 ? D255	0 ? 3	X ? XXXXXXXX	0/1/3
	3	1	1	15	15	15	01	1	15	3		15		3		3
200	3	1	1	15	15	15	01	1	15	3		15		3		3
201	3	1	1	15	15	15	01	1	15	3		15		3		3
202	3	1	1	15	15	15	01	1	15	3		15		3		3
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮		⋮		⋮		⋮
454	3	1	1	15	15	15	01	1	15	3		15		3		3
455	3	1	1	15	15	15	01	1	15	3		15		3		3

CM10/CM14	CM12																			
STATION No. TRUNK No. CARD No. (1-10 DIGITS)	Y																			
	21	22	23	24	25	28	29	30	31	32	33	34	35	36	37	38	39	43	44	45
	0/3	0/1	0 ? 3	0/7	0/3	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	XXXXZZ	00 ? 63	00 ? 19	0 ? 7	0 ? 15
	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15
200	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15
201	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15
202	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮				⋮	⋮
454	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15
455	3	0	3	7	3	1	1	1	1	1	1	1	1	1	1				7	15

Continued on next page

Station Class Data

◀: Initial Data

CM10/CM14	CM12								
STATION No. TRUNK No. CARD No. (1-10 DIGITS)	Y								
	46	47	48	49	50	61	62	63	64
	X	00			00	0	0	00	00
	?	?	0/1/3	0/1/3	?	?	?	?	?
	XXXX	15			63	3	3	31	30
		15	3	3		3	3		
200		15	3	3		3	3		
201		15	3	3		3	3		
202		15	3	3		3	3		
⋮		⋮	⋮	⋮		⋮	⋮		
454		15	3	3		3	3		
455		15	3	3		3	3		

Continued on next page

Station Class Data

◀: Initial Data

CM10/CM14	CM13																			
	Y																			
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	18	21	22	23	24
STATION No. TRUNK No. CARD No. (1-10 DIGITS)	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
201	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
202	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
454	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
455	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

CM10/CM14	CM13																		
	Y																		
	25	29	32	33	34	35	36	37	39	40	41	45	46	51	52	54	55	56	57	58
STATION No. TRUNK No. CARD No. (1-10 DIGITS)	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
201	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
202	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
454	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
455	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

• Numbering Plan (CM20)

The following data is assigned for access code of each service feature.

Numbering Plan

CM20				
Y (0-3)	ACCESS CODE	SETTING DATA	SERVICE FEATURES	
0	0	800	Operator Call	
	11	A046	Call Hold	
	2, 3 or 4	803	First Digit of Three Digit Station Number	
	50	A130	Internal Zone Paging Group 0 Group 1 Group 2 Group 3 Group 4	
	51	A131		
	52	A132		
	53	A133		
	54	A134		
				Paging Access
	55	A138	Internal Zone Paging Group 0 Group 1 Group 2 Group 3 Group 4	Meet-me Answer
	56	A139		
	57	A140		
	58	A141		
	59	A142		
	5*	A024	Wake Up Call/Timed Reminder	Set
	5#	A025		Cancel
	60	A163	Voice Call/Ringing Tone Programming	
	62	A110	Name Display	
	66	A039	BGM on D ^{term} Set/Reset	
	68	A043	Day/Night Mode Change by Station Dialing	
	6*	A008	Call Park-System Set	
	6#	A009	Call Park-System Retrieve	
	72	A047	TAS Answer A	
	73	A021	Call Pickup-Direct	
	74	A020	Call Pickup-Group	
75	A037	Call Pickup-Designated Group		

Continued on next page

Numbering Plan

CM20				
Y (0-3)	ACCESS CODE	SETTING DATA	SERVICE FEATURES	
0	7*	A065	Speed Calling-Station Entry	
	7#	A066	(Station Speed Dialing) Cancel	
	9	100	Trunk Access Code	RT00
	81	101		RT01
	82	102		RT02
	83	104		RT04
	84	105		RT05
	85	106		RT06
	86	107		RT07
	87	A081		Individual Trunk Access
	*1	A004	Outgoing Trunk Queuing	Set
	#1	A005	/Call Back	Cancel
	*2	A007	Camp-On by Station (Transfer method)	
	#2	A125	Call Waiting (Camp-On by station-Call Waiting Method)	
	*4	A006	Executive Right of Way (Executive Override)	
	*5	A010	Call Forwarding-All Calls	Set
	#5	A011		Cancel
	*6	A012	Call Forwarding-Don't Answer	Set
	#6	A013	(No Answer)/Busy Line	Cancel
	*7	A018	Call Forwarding-I'm Here	Set
	#7	A019	(Destination)	Cancel
	*8	A022	Do Not Disturb	Set
	#8	A023		Cancel
	*9	A040	MW Lamp Control	Set
	#9	A041		Cancel
	**	A069	Last Number Call (Last Number Redial)	
	*#	A085	Account Code	Entry

Continued on next page

Numbering Plan

CM20			
Y (0-3)	ACCESS CODE	SETTING DATA	SERVICE FEATURES
0	#*	A064	Speed Calling-Station (Station Speed Dialing) Origination
	##	A067	Speed Calling-System (System Speed Dialing) Origination

• Trunk Data (CM30)

The following data is assigned according to the type of trunk card:

Trunk Data

◀: Initial Data

CM30											
TYPE OF TRUNK CARD	Y										
	00	01	02	03	04	05	07	08	09	13	14
	00 1 63	00 1 63	02 1 31	02 1 31	X 1 XXXXXXXXX CXX EBXXX	X 1 XXXXXXXXX CXX EBXXX	000 1 029	0/1	01 1 62	01 1 15	01 1 15
		01	31	31				1		15	15
PN-2/4/6/8COT	00	01	02	02	NONE	NONE	NONE	1	NONE	15	15
PN-2ODT	02	01	31	31	NONE	NONE	NONE	1	NONE	15	15
PN-2/4LDT	02	01	31	31	NONE	NONE	NONE	1	NONE	15	15

Continued on next page

Trunk Data

◀: Initial Data

CM30													
Y													
TYPE OF TRUNK CARD	15	16	17	18	19	28	30	31	32	33	34	35	37
	01	01	00	0/1	XXXX	XZ	00	00	00	00	00	001	00
	15	15	63				15	15	15	15	15	127	15
	15	15		1			15	15	15	15	15		15
PN-2/4/6/8COT	15	15	NONE	1	NOTE	NONE	15	15	15	15	15	NONE	15
PN-2ODT	15	15	NONE	1	NOTE	NONE	15	15	15	15	15	NONE	15
PN-2/4LDT	15	15	NONE	1	NOTE	NONE	15	15	15	15	15	NONE	15

NOTE: C.O. Line Numbers (CM30 Y=19) are assigned as follows.
 IXXX
 XXX: Trunk Number (000-255)

Continued on next page

Trunk Data

◀: Initial Data

CM30					
Y					
TYPE OF TRUNK CARD	40	41	42	43	44
		02 | 31	02 | 31	X | XXXXXXXX CXX EBXXX	X | XXXXXXXX CXX EBXXX	01 | 28
	31	31			◀
PN-2/4/6/8COT					
PN-2ODT					
PN-2/4LDT					

• Trunk Route Data (CM35)

The following data is assigned on a trunk route basis.

Trunk Route Data

◀: Initial Data

CM35													
TRUNK ROUTE	NUMBER OF TRUNKS	ACCESS CODE	TRUNK KIND	Y									
				00	01	02	03	04	05	08	09	10	11
				00 1 15	2 1 7	1 1 3	00 1 63	0 1 7	0 1 1	1 1 3	01 1 15	0 1 1	0 1 3
00		9	DDD	00	4	3	15	7	1	3	01	0	0
01		81	TIE (2W E&M)	04	4	3	15	2	1	3	03	1	3
02		82	TIE (4W E&M)	04	4	3	15	2	1	3	03	1	3
03		-	DID	00	4	1	00	2	1	3	03	0	3
04		83	FX	01	4	3	15	7	1	3	01	0	3
05		84	WATS	02	4	3	15	7	1	3	01	0	3
06		85	CCSA	03	4	3	15	2	1	3	03	0	3
07		86	PGT	05	4	3	15	7	0	3	15	0	3
08				15	7	3	15	7	1	3	15	1	3
09				15	7	3	15	7	1	3	15	1	3
10				15	7	3	15	7	1	3	15	1	3
11				15	7	3	15	7	1	3	15	1	3
12				15	7	3	15	7	1	3	15	1	3
13				15	7	3	15	7	1	3	15	1	3
14				15	7	3	15	7	1	3	15	1	3
15				15	7	3	15	7	1	3	15	1	3
16				15	7	3	15	7	1	3	15	1	3
				15	7	3	15	7	1	3	15	1	3

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Trunk Route Data

◀: Initial Data

CM35															
TRUNK ROUTE	Y														
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	0 1 3	000 1 254	0 / 1	00 1 75	0 / 1	00 1 15	0 / 1	0 1 7	0 1 15	00 1 15	0 / 1	0 1 7	0 1 7	0 / 1	0 / 1
00	3	NONE	1	NONE	1	15	1	7	15	15	1	7	7	1	1
01	3	NONE	0	NONE	1	15	1	7	00	02	1	7	7	1	1
02	3	NONE	0	NONE	1	15	1	7	00	02	1	7	7	1	1
03	3	NONE	1	NONE	1	15	1	7	00	02	1	7	7	1	1
04	3	NONE	1	NONE	1	15	1	7	02	02	1	7	7	1	1
05	3	NONE	1	NONE	1	15	1	7	02	02	1	7	7	1	1
06	3	NONE	0	NONE	1	15	1	7	00	02	1	7	7	1	1
07	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
08	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
09	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
10	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
11	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
12	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
13	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
14	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
15	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
16	3	NONE	0	NONE	1	15	1	7	15	02	1	7	7	1	1
	3	NONE	1	NONE	1	15	1	7	15	15	1	7	7	1	1

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Trunk Route Data

◀: Initial Data

CM35															
TRUNK ROUTE	Y														
	28	32	33	34	36	37	38	39	40	41	42	43	44	45	46
	0 / 1	0 / 1	0 / 3	0 / 3	0 / 1	0 / 1	0 / 1	0 / 1	00 / 31	0 / 7	0 / 7	00 / 15	00 / 99	0 / 7	0 / 7
00	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
01	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
02	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
03	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
04	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
05	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
06	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
07	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
08	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
09	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
10	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
11	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
12	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
13	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
14	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
15	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
16	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7
	1	1	3	3	1	1	1	1	31	7	7	15	NONE	7	7

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Trunk Route Data

◀: Initial Data

CM35														
TRUNK ROUTE	Y													
	47	48	49	51	52	53	54	55	56	57	58	59	60	61
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	/	/	/	/	/	/	/	/	/	/	/	/	/
	3	1	1	1	1	1	1	1	1	1	1	1	1	1
00	3	1	1	1	1	1	1	1	1	1	1	1	1	1
01	3	1	1	1	1	1	1	1	1	1	1	1	1	1
02	3	1	1	1	1	1	1	1	1	1	1	1	1	1
03	3	1	1	1	1	1	1	1	1	1	1	1	1	1
04	3	1	1	1	1	1	1	1	1	1	1	1	1	1
05	3	1	1	1	1	1	1	1	1	1	1	1	1	1
06	3	1	1	1	1	1	1	1	1	1	1	1	1	1
07	3	1	1	1	1	1	1	1	1	1	1	1	1	1
08	3	1	1	1	1	1	1	1	1	1	1	1	1	1
09	3	1	1	1	1	1	1	1	1	1	1	1	1	1
10	3	1	1	1	1	1	1	1	1	1	1	1	1	1
11	3	1	1	1	1	1	1	1	1	1	1	1	1	1
12	3	1	1	1	1	1	1	1	1	1	1	1	1	1
13	3	1	1	1	1	1	1	1	1	1	1	1	1	1
14	3	1	1	1	1	1	1	1	1	1	1	1	1	1
15	3	1	1	1	1	1	1	1	1	1	1	1	1	1
16	3	1	1	1	1	1	1	1	1	1	1	1	1	1
	3	1	1	1	1	1	1	1	1	1	1	1	1	1

Continued on next page

Trunk Route Data

◀: Initial Data

CM35															
TRUNK ROUTE	Y														
	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00
	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
02	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
03	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
08	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
09	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15

Continued on next page

Trunk Route Data

◀: Initial Data

CM35													
TRUNK ROUTE	Y												
	78	79	83	86	87	89	90	91	92	93	97	98	100
	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 7	0 / 7	0 / 7	00 / 15	XZ	0 / 1	00 / 14
00	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
01	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
02	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
03	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
04	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
05	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
06	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
07	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
08	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
09	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
10	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
11	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
12	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
13	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
14	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
15	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
16	1	1	1	1	1	1	7	NONE	1	15	NONE	1	00
	1	1	1	1	1	1	7	NONE	7	15	NONE	1	00

Continued on next page

Trunk Route Data

◀: Initial Data

CM35															
TRUNK ROUTE	Y														
	101	102	103	104	105	106	113	115	119	121	129	130	133	134	135
	0 / 1	0 / 1	0 / 1	1 / 3	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 7	0 / 1	0 / 1	0 / 15
00	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
01	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
02	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
03	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
04	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
05	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
06	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
07	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
08	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
09	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
10	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
11	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
12	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
13	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
14	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
15	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
16	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1
	1	1	1	3	1	1	1	1	1	1	7	1	1	15	1

Continued on next page

Trunk Route Data

◀: Initial Data

CM35															
TRUNK ROUTE	Y														
	136	137	138	139	140	141	142	143	144	145	147	148	150	152	153
	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 7	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1
00	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
01	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
02	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
03	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
04	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
05	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
06	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
07	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
08	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
09	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1

Continued on next page

Trunk Route Data

◀: Initial Data

CM35																
TRUNK ROUTE	Y															
	154	155	156	158	159	161	163	164	165	166	167	169	170	171	172	173
	5 1 7	0 / 1	0 / 3	0 / 1	0 / 1	00 / 3F	0 / 1	0 / 1	00 / 07	0 / 3	0 / 1	0 / 1	0 / 3	01 / 15	01 / 15	0 / 1
00	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
01	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
02	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
03	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
04	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
05	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
06	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
07	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
08	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
09	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
10	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
11	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
12	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
13	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
14	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
15	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
16	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1
	7	1	3	1	1	NONE	1	1	NONE	3	1	1	3	15	15	1

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Trunk Route Data

◀: Initial Data

CM35																
TRUNK ROUTE	Y															
	174	186	187	189	192	193	196	197	200	201	202	203	205	206	207	208
	0 1 3	0 / 1	0 / 1	X / XX	0 / 1	00 10 1 1 07 17	00 / 15	0 / 1	0 / 1	0 / 3	0 / 1	0 / 1	0 / 1	0 / 1	0 / 63	0 / 1
00	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
01	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
02	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
03	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
04	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
05	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
06	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
07	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
08	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
09	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
10	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
11	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
12	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
13	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
14	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
15	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
16	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1
	3	1	1	NONE	1	NONE	15	1	1	3	1	1	1	1	63	1

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Trunk Route Data

◀: Initial Data

CM35																
TRUNK ROUTE	Y															
	220	221	222	223	224	225	226	228	230	231	233	244	245	247	248	249
	0 / 1	0 / 1	X / XXXX	X / XXXX	X / XXXX	X / XXXX	0 / 1	0 / 1	00 / 06	00 / 09	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 3
00	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
01	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
02	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
03	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
04	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
05	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
06	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
07	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
08	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
09	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
10	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
11	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
12	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
13	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
14	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
15	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
16	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3
	1	1	NONE	NONE	NONE	NONE	1	1	NONE	NONE	1	1	1	1	1	3

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Trunk Route Data

◀: Initial Data

CM35																
TRUNK ROUTE	Y															
	250	254	255	256	257	258	266	267	268	270	271	272	273	276	277	278
	0 / 1	0 / 3	0 / 3	0 / 3	0 / 3	0 / 1	0 / 1	0 / 1	0 / 1	0 / 3	1 / 8	1 / 8	0 / 1	0 / 1	0 / 1	0 / 1
00	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
01	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
02	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
03	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
04	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
05	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
06	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
07	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
08	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
09	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
10	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
11	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
12	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
13	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
14	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
15	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
16	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1
	1	3	3	3	3	1	1	1	1	3	NONE	NONE	1	1	1	1

Trunk Route Data

◀: Initial Data

CM35						
TRUNK ROUTE	Y					
	279	281	282	283	284	286
	1 1 7	0 / 3	0 / 3	0 / 1	0/1/7	0 / 1
00	NONE	3	3	1	7	1
01	NONE	3	3	1	7	1
02	NONE	3	3	1	7	1
03	NONE	3	3	1	7	1
04	NONE	3	3	1	7	1
05	NONE	3	3	1	7	1
06	NONE	3	3	1	7	1
07	NONE	3	3	1	7	1
08	NONE	3	3	1	7	1
09	NONE	3	3	1	7	1
10	NONE	3	3	1	7	1
11	NONE	3	3	1	7	1
12	NONE	3	3	1	7	1
13	NONE	3	3	1	7	1
14	NONE	3	3	1	7	1
15	NONE	3	3	1	7	1
16	NONE	3	3	1	7	1
	NONE	3	3	1	7	1

- Attendant Group, Function (CM60)

The following data is assigned to Attendant Console provided.

CM60	
ATT NUMBER	Y=00 (GROUP No.)
X	0

: ATT Group 0

- Tenant for Each ATT Group (CM62)

The following data is assigned to Attendant Console within ATT Group 0.

CM62	
TENANT NUMBER	Y=0 (ATT GROUP)
00	0
01	1
02	1
03	1
?	?
63	1

: To handle

: Not handled

- Memory Allocation for Speed Calling-System (System Speed Dialing) (CM71)

100-Memory Slot for Speed Calling-System (System Speed Dialing) are assigned for Tenant 01.

Memory Allocation for Speed Calling-System (System Speed Dialing)

CM71		
KIND OF CALLING PARTY	DATA	
	STARTING MEMORY SLOT No. (000-299)	SLOT No. (001-300)
00	000	300
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		

Continued on next page

Memory Allocation for Speed Calling-System (System Speed Dialing)

CM71		
KIND OF CALLING PARTY	DATA	
	STARTING MEMORY SLOT No. (000-299)	SLOT No. (001-300)
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

- Memory Allocation for Speed Calling-Station (Station Speed Dialing) [CM73] 10 memories are assigned Single Line Telephone individually.

Memory Allocation for Speed Calling-Station (Station Speed Dialing)

CM73					REMARKS
TYPE OF TERMINAL	SETTING DATA				
	1000-SLOT MEMORY BLOCK (0-9)	10-SLOT MEMORY BLOCK IN THE TOP (00-99)	POSSIBLE / NOT POSSIBLE OF REGISTRATION (0/1)	NUMBER OF 10-SLOT MEMORY BLOCK (01-10)	
Single Line Tel	0	XX	0	01	10 Memories

NOTE: *The memory allocation by CM73 is not performed for the D^{term} .*

• D^{term} Line Key Data (CM90)

The following data is assigned according to the type of terminal.

D^{term} Line Key Data

◀: Initial Data

CM90																
MY LINE No.																
KEY No.	Y= 00	Y= 01	Y= 02	Y= 03	Y= 05	Y= 06	Y= 00	Y= 01	Y= 03	Y= 05	Y= 06	Y= 00	Y= 01	Y= 03	Y= 05	Y= 06
01	DXXX	1	1	1	1	1										
02	DXXX	1	1	1	1	1										
03	DXXX	1	1	1	1	1										
04	DXXX	1	1	1	1	1										
05		1	1	1	1	1										
06		1	1	1	1	1										
07		1	1	1	1	1										
08		1	1	1	1	1										
09		1	1	1	1	1										
10		1	1	1	1	1										
11		1	1	1	1	1										
12		1	1	1	1	1										
13		1	1	1	1	1										
14		1	1	1	1	1										
15		1	1	1	1	1										
16	XXXXXXXX	1	1	1	1	1										
		1	1	1	1	1										

NOTE 1: DXXX represents C.O. Trunk Number (D000-D255) and this data is consecutively assigned on Line Key beginning at 01.

NOTE 2: XXXXXXXX represents My Line Number (200-455).

- Prime Line (CM93)

As shown in the following table, My Line Number is assigned to Prime Line for all D^{term}s.

Prime Line

CM93		REMARKS
MY LINE NUMBER (1-8 DIGITS)	SETTING DATA (1-8 DIGITS)	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	
XXXXXXXX	XXXXXXXX	

NOTE: *XXXXXXXX* represents My Line Number (200-455).

- Memory Allocation for D^{term} One-Touch Memory (CM94)

The following data is assigned on a per D^{term}, with DSS key, basis.

Memory Allocation for One-Touch Key

CM94		REMARKS
MY LINE NUMBER (1-8 DIGITS)	SETTING DATA (6 DIGITS)	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	
XXXXXXXX	WXX0ZZ	

Continued on next page

NOTE 1: “WXX0ZZ” is assigned for each My Line Number (XXXXXXXX: 200-455) as follows:

W XX 0 ZZ

W : 1000-Slot Memory Block number (0-9)

XX: 10-Slot Memory Start Block number (00-99)

0 : Programming Facility 0=Effective

ZZ: Number of 10-Slot Memory Blocks (01-10)

01: D^{term} (10 memories)

02: D^{term} (20 memories)

03: D^{term} (30 memories)

04: D^{term} (40 memories)

05: D^{term} (50 memories)

06: D^{term} (60 memories)

07: D^{term} (70 memories)

08: D^{term} (80 memories)

09: D^{term} (90 memories)

10: D^{term} (100 memories)

NOTE 2: If a D^{term} is not connected to the system, though the DLC card is mounted in the slot, the data for the D^{term} with 20 one-touch keys is assigned.

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APPENDIX A

LEN ASSIGNMENT



This appendix contains the location of Line Equipment Number (LEN) for each system configuration and the data assignment.

LOCATION OF EACH LEN A2

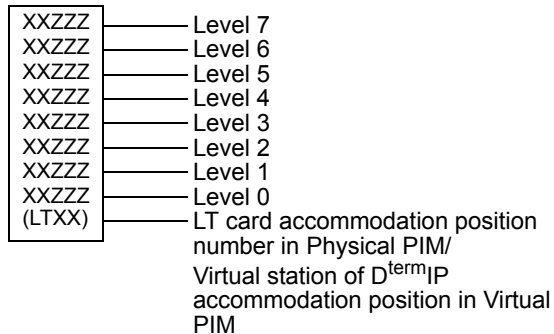
LOCATION OF EACH LEN

LEN is a combination number of PIM number/FP number and Port number.

The LEN assignment for each type of PIM is as follows.

The LEN assignment in Physical PIM/Virtual PIM by CM14 is as follows.

- Physical PIM/Virtual PIM



Use CM14 for LEN assignment.

XX : FP Number (00-31)

ZZZ: Port Number of Physical PIM/
Virtual PIM (000-127)

[For Series 3200 R6.2 (R6.2) software or before]

XX : FP Number (00-63)

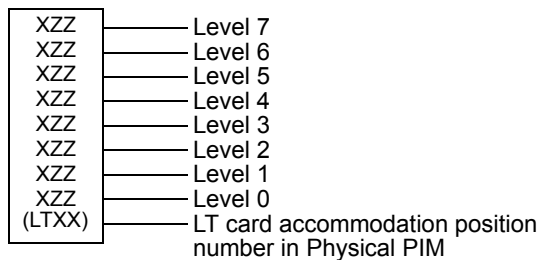
ZZZ: Port Number of Physical PIM/
Virtual PIM (000-127)

[For Series 3300 software or later]

The LEN of Physical PIM can also be assigned by CM10.

The LEN assignment by CM10 is as follows.

- Physical PIM



Use CM10 for LEN assignment.

X : PIM Number (0-7)

ZZ: Port Number (00-63)

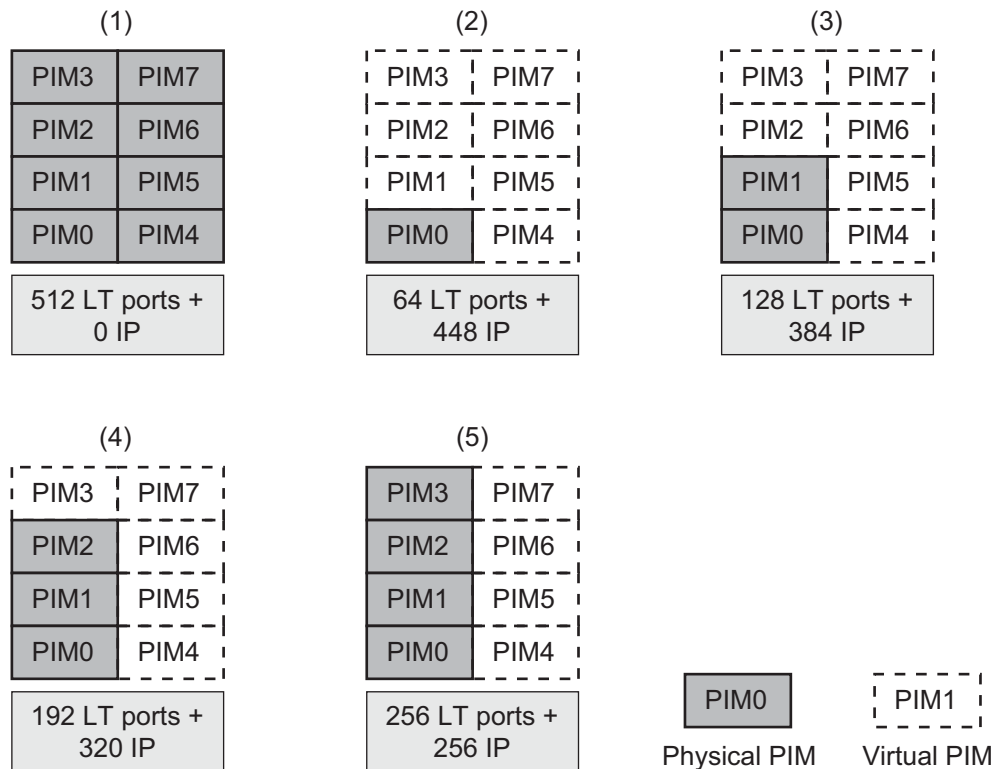
The figures below show the location of LEN for each system configuration and the initial data of CM05 Y=0/4/6/8 that is set by CM00>1/11/12/13/14: CCC.

LEN of CM14

- (1) 8 PIMs (CM00>1: CCC) [Page A4](#)
- (2) 1 PIM + 7 Virtual PIMs (CM00>11: CCC) [Page A6](#)
- (3) 2 PIMs + 6 Virtual PIMs (CM00>12: CCC) [Page A8](#)
- (4) 3 PIMs + 5 Virtual PIMs (CM00>13: CCC) [Page A10](#)
- (5) 4 PIMs + 4 Virtual PIMs (CM00>14: CCC) [Page A12](#)

LEN of CM10

- (1) 8 PIMs (CM00>1: CCC) [Page A14](#)
- (2) 1 PIM + 7 Virtual PIMs (CM00>11: CCC) [Page A16](#)
- (3) 2 PIMs + 6 Virtual PIMs (CM00>12: CCC) [Page A18](#)
- (4) 3 PIMs + 5 Virtual PIMs (CM00>13: CCC) [Page A20](#)
- (5) 4 PIMs + 4 Virtual PIMs (CM00>14: CCC) [Page A22](#)



LEN of CM14

8PIMs

8 PIMs (CM00>1: CCC)

PIM3	01071	01079	01087	01095	01103	01111	01119	01127				
• CM05 Y=0	01070	01078	01086	01094	01102	01110	01118	01126				
(1) 01	01069	01077	01085	01093	01101	01109	01117	01125				
(2) 00	01068	01076	01084	01092	01100	01108	01116	01124				
• CM05 Y=4	01067	01075	01083	01091	01099	01107	01115	01123	01103	01111	01119	01127
(1) 01	01066	01074	01082	01090	01098	01106	01114	01122	01102	01110	01118	01126
(2) NONE	01065	01073	01081	01089	01097	01105	01113	01121	01101	01109	01117	01125
• CM05 Y=6	01064	01072	01080	01088	01096	01104	01112	01120	01100	01108	01116	01124
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 01												
(2) NONE												

NOTE

PIM2	01007	01015	01023	01031	01039	01047	01055	01063				
• CM05 Y=0	01006	01014	01022	01030	01038	01046	01054	01062				
(1) 01	01005	01013	01021	01029	01037	01045	01053	01061				
(2) 00	01004	01012	01020	01028	01036	01044	01052	01060				
• CM05 Y=4	01003	01011	01019	01027	01035	01043	01051	01059	01039	01047	01055	01063
(1) 01	01002	01010	01018	01026	01034	01042	01050	01058	01038	01046	01054	01062
(2) NONE	01001	01009	01017	01025	01033	01041	01049	01057	01037	01045	01053	01061
• CM05 Y=6	01000	01008	01016	01024	01032	01040	01048	01056	01036	01044	01052	01060
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 01												
(2) NONE												

NOTE

PIM1	00071	00079	00087	00095	00103	00111	00119	00127				
• CM05 Y=0	00070	00078	00086	00094	00102	00110	00118	00126				
(1) 00	00069	00077	00085	00093	00101	00109	00117	00125				
(2) 00	00068	00076	00084	00092	00100	00108	00116	00124				
• CM05 Y=4	00067	00075	00083	00091	00099	00107	00115	00123	00103	00111	00119	00127
(1) 00	00066	00074	00082	00090	00098	00106	00114	00122	00102	00110	00118	00126
(2) NONE	00065	00073	00081	00089	00097	00105	00113	00121	00101	00109	00117	00125
• CM05 Y=6	00064	00072	00080	00088	00096	00104	00112	00120	00100	00108	00116	00124
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												
• CM05 Y=8												
(1) 00												
(2) NONE												

NOTE

PIM0	00007	00015	00023	00031	00039	00047	00055	00063				
• CM05 Y=0	00006	00014	00022	00030	00038	00046	00054	00062				
(1) 00	00005	00013	00021	00029	00037	00045	00053	00061				
(2) 00	00004	00012	00020	00028	00036	00044	00052	00060				
• CM05 Y=4	00003	00011	00019	00027	00035	00043	00051	00059	00039	00047	00055	00063
(1) 00	00002	00010	00018	00026	00034	00042	00050	00058	00038	00046	00054	00062
(2) NONE	00001	00009	00017	00025	00033	00041	00049	00057	00037	00045	00053	00061
• CM05 Y=6	00000	00008	00016	00024	00032	00040	00048	00056	00036	00044	00052	00060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												
• CM05 Y=8												
(1) 00												
(2) NONE												

NOTE

Continued on next page

8 PIMs (CM00>1: CCC)

PIM7	03071	03079	03087	03095	03103	03111	03119	03127				
• CM05 Y=0	03070	03078	03086	03094	03102	03110	03118	03126				
(1) 03	03069	03077	03085	03093	03101	03109	03117	03125				
(2) 00	03068	03076	03084	03092	03100	03108	03116	03124				
• CM05 Y=4	03067	03075	03083	03091	03099	03107	03115	03123	03103	03111	03119	03127
(1) 03	03066	03074	03082	03090	03098	03106	03114	03122	03102	03110	03118	03126
(2) NONE	03065	03073	03081	03089	03097	03105	03113	03121	03101	03109	03117	03125
• CM05 Y=6	03064	03072	03080	03088	03096	03104	03112	03120	03100	03108	03116	03124
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 03												
(2) NONE												

NOTE

PIM6	03007	03015	03023	03031	03039	03047	03055	03063				
• CM05 Y=0	03006	03014	03022	03030	03038	03046	03054	03062				
(1) 03	03005	03013	03021	03029	03037	03045	03053	03061				
(2) 00	03004	03012	03020	03028	03036	03044	03052	03060				
• CM05 Y=4	03003	03011	03019	03027	03035	03043	03051	03059	03039	03047	03055	03063
(1) 03	03002	03010	03018	03026	03034	03042	03050	03058	03038	03046	03054	03062
(2) NONE	03001	03009	03017	03025	03033	03041	03049	03057	03037	03045	03053	03061
• CM05 Y=6	03000	03008	03016	03024	03032	03040	03048	03056	03036	03044	03052	03060
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 03												
(2) NONE												

NOTE

PIM5	02071	02079	02087	02095	02103	02111	02119	02127				
• CM05 Y=0	02070	02078	02086	02094	02102	02110	02118	02126				
(1) 02	02069	02077	02085	02093	02101	02109	02117	02125				
(2) 00	02068	02076	02084	02092	02100	02108	02116	02124				
• CM05 Y=4	02067	02075	02083	02091	02099	02107	02115	02123	02103	02111	02119	02127
(1) 02	02066	02074	02082	02090	02098	02106	02114	02122	02102	02110	02118	02126
(2) NONE	02065	02073	02081	02089	02097	02105	02113	02121	02101	02109	02117	02125
• CM05 Y=6	02064	02072	02080	02088	02096	02104	02112	02120	02100	02108	02116	02124
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 02												
(2) NONE												

NOTE

PIM4	02007	02015	02023	02031	02039	02047	02055	02063				
• CM05 Y=0	02006	02014	02022	02030	02038	02046	02054	02062				
(1) 02	02005	02013	02021	02029	02037	02045	02053	02061				
(2) 00	02004	02012	02020	02028	02036	02044	02052	02060				
• CM05 Y=4	02003	02011	02019	02027	02035	02043	02051	02059	02039	02047	02055	02063
(1) 02	02002	02010	02018	02026	02034	02042	02050	02058	02038	02046	02054	02062
(2) NONE	02001	02009	02017	02025	02033	02041	02049	02057	02037	02045	02053	02061
• CM05 Y=6	02000	02008	02016	02024	02032	02040	02048	02056	02036	02044	02052	02060
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 02												
(2) NONE												

NOTE

NOTE: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.
 PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI
 When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

1 PIM + 7 Virtual PIMs

1 PIM + 7 Virtual PIMs (CM00>11: CCC)

PIM3

- CM05 Y=0
 - (1) 17
 - (2) 00
- CM05 Y=4
 - (1) 17
 - (2) 03
- CM05 Y=6
 - (1) 17
 - (2) 0
- CM05 Y=8
 - (1) 17
 - (2) 0003

17007	17015	17023	17031	17039	17047	17055	17063				
17006	17014	17022	17030	17038	17046	17054	17062				
17005	17013	17021	17029	17037	17045	17053	17061				
17004	17012	17020	17028	17036	17044	17052	17060				
17003	17011	17019	17027	17035	17043	17051	17059				
17002	17010	17018	17026	17034	17042	17050	17058				
17001	17009	17017	17025	17033	17041	17049	17057				
17000	17008	17016	17024	17032	17040	17048	17056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM2

- CM05 Y=0
 - (1) 01
 - (2) 00
- CM05 Y=4
 - (1) 01
 - (2) 02
- CM05 Y=6
 - (1) 01
 - (2) 0
- CM05 Y=8
 - (1) 01
 - (2) 0002

01007	01015	01023	01031	01039	01047	01055	01063				
01006	01014	01022	01030	01038	01046	01054	01062				
01005	01013	01021	01029	01037	01045	01053	01061				
01004	01012	01020	01028	01036	01044	01052	01060				
01003	01011	01019	01027	01035	01043	01051	01059				
01002	01010	01018	01026	01034	01042	01050	01058				
01001	01009	01017	01025	01033	01041	01049	01057				
01000	01008	01016	01024	01032	01040	01048	01056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM1

- CM05 Y=0
 - (1) 16
 - (2) 00
- CM05 Y=4
 - (1) 16
 - (2) 01
- CM05 Y=6
 - (1) 16
 - (2) 0
- CM05 Y=8
 - (1) 16
 - (2) 0001

16007	16015	16023	16031	16039	16047	16055	16063				
16006	16014	16022	16030	16038	16046	16054	16062				
16005	16013	16021	16029	16037	16045	16053	16061				
16004	16012	16020	16028	16036	16044	16052	16060				
16003	16011	16019	16027	16035	16043	16051	16059				
16002	16010	16018	16026	16034	16042	16050	16058				
16001	16009	16017	16025	16033	16041	16049	16057				
16000	16008	16016	16024	16032	16040	16048	16056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM0

- CM05 Y=0
 - (1) 00
 - (2) 00
- CM05 Y=4
 - (1) 00
 - (2) 00
- CM05 Y=6
 - (1) 00
 - (2) 2
- CM05 Y=8
 - (1) 00
 - (2) 0000

00007	00015	00023	00031	00039	00047	00055	00063				
00006	00014	00022	00030	00038	00046	00054	00062				
00005	00013	00021	00029	00037	00045	00053	00061				
00004	00012	00020	00028	00036	00044	00052	00060				
00003	00011	00019	00027	00035	00043	00051	00059	00039	00047	00055	00063
00002	00010	00018	00026	00034	00042	00050	00058	00038	00046	00054	00062
00001	00009	00017	00025	00033	00041	00049	00057	00037	00045	00053	00061
00000	00008	00016	00024	00032	00040	00048	00056	00036	00044	00052	00060
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

Continued on next page

1 PIM + 7 Virtual PIMs (CM00>11: CCC)

PIM7

- CM05 Y=0
- (1) 19
- (2) 00
- CM05 Y=4
- (1) 19
- (2) 07
- CM05 Y=6
- (1) 19
- (2) 0
- CM05 Y=8
- (1) 19
- (2) 0007

19007	19015	19023	19031	19039	19047	19055	19063				
19006	19014	19022	19030	19038	19046	19054	19062				
19005	19013	19021	19029	19037	19045	19053	19061				
19004	19012	19020	19028	19036	19044	19052	19060				
19003	19011	19019	19027	19035	19043	19051	19059				
19002	19010	19018	19026	19034	19042	19050	19058				
19001	19009	19017	19025	19033	19041	19049	19057				
19000	19008	19016	19024	19032	19040	19048	19056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM6

- CM05 Y=0
- (1) 03
- (2) 00
- CM05 Y=4
- (1) 03
- (2) 06
- CM05 Y=6
- (1) 03
- (2) 0
- CM05 Y=8
- (1) 03
- (2) 0006

03007	03015	03023	03031	03039	03047	03055	03063				
03006	03014	03022	03030	03038	03046	03054	03062				
03005	03013	03021	03029	03037	03045	03053	03061				
03004	03012	03020	03028	03036	03044	03052	03060				
03003	03011	03019	03027	03035	03043	03051	03059				
03002	03010	03018	03026	03034	03042	03050	03058				
03001	03009	03017	03025	03033	03041	03049	03057				
03000	03008	03016	03024	03032	03040	03048	03056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM5

- CM05 Y=0
- (1) 18
- (2) 00
- CM05 Y=4
- (1) 18
- (2) 05
- CM05 Y=6
- (1) 18
- (2) 0
- CM05 Y=8
- (1) 18
- (2) 0005

18007	18015	18023	18031	18039	18047	18055	18063				
18006	18014	18022	18030	18038	18046	18054	18062				
18005	18013	18021	18029	18037	18045	18053	18061				
18004	18012	18020	18028	18036	18044	18052	18060				
18003	18011	18019	18027	18035	18043	18051	18059				
18002	18010	18018	18026	18034	18042	18050	18058				
18001	18009	18017	18025	18033	18041	18049	18057				
18000	18008	18016	18024	18032	18040	18048	18056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM4

- CM05 Y=0
- (1) 02
- (2) 00
- CM05 Y=4
- (1) 02
- (2) 04
- CM05 Y=6
- (1) 02
- (2) 0
- CM05 Y=8
- (1) 02
- (2) 0004

02007	02015	02023	02031	02039	02047	02055	02063				
02006	02014	02022	02030	02038	02046	02054	02062				
02005	02013	02021	02029	02037	02045	02053	02061				
02004	02012	02020	02028	02036	02044	02052	02060				
02003	02011	02019	02027	02035	02043	02051	02059				
02002	02010	02018	02026	02034	02042	02050	02058				
02001	02009	02017	02025	02033	02041	02049	02057				
02000	02008	02016	02024	02032	02040	02048	02056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

NOTE: *In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.
PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI
When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.*

2 PIMs + 6 Virtual PIMs

2 PIMs + 6 Virtual PIMs (CM00>12: CCC)

PIM3

- CM05 Y=0
 - (1) 17
 - (2) 00
- CM05 Y=4
 - (1) 17
 - (2) 03
- CM05 Y=6
 - (1) 17
 - (2) 0
- CM05 Y=8
 - (1) 17
 - (2) 0003

17007	17015	17023	17031	17039	17047	17055	17063				
17006	17014	17022	17030	17038	17046	17054	17062				
17005	17013	17021	17029	17037	17045	17053	17061				
17004	17012	17020	17028	17036	17044	17052	17060				
17003	17011	17019	17027	17035	17043	17051	17059				
17002	17010	17018	17026	17034	17042	17050	17058				
17001	17009	17017	17025	17033	17041	17049	17057				
17000	17008	17016	17024	17032	17040	17048	17056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM2

- CM05 Y=0
 - (1) 01
 - (2) 00
- CM05 Y=4
 - (1) 01
 - (2) 02
- CM05 Y=6
 - (1) 01
 - (2) 0
- CM05 Y=8
 - (1) 01
 - (2) 0002

01007	01015	01023	01031	01039	01047	01055	01063				
01006	01014	01022	01030	01038	01046	01054	01062				
01005	01013	01021	01029	01037	01045	01053	01061				
01004	01012	01020	01028	01036	01044	01052	01060				
01003	01011	01019	01027	01035	01043	01051	01059				
01002	01010	01018	01026	01034	01042	01050	01058				
01001	01009	01017	01025	01033	01041	01049	01057				
01000	01008	01016	01024	01032	01040	01048	01056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM1

- CM05 Y=0
 - (1) 00
 - (2) 00
- CM05 Y=4
 - (1) 00
 - (2) NONE
- CM05 Y=6
 - (1) 00
 - (2) 2
- CM05 Y=8
 - (1) 00
 - (2) NONE

00071	00079	00087	00095	00103	00111	00119	00127				
00070	00078	00086	00094	00102	00110	00118	00126				
00069	00077	00085	00093	00101	00109	00117	00125				
00068	00076	00084	00092	00100	00108	00116	00124				
00067	00075	00083	00091	00099	00107	00115	00123	00103	00111	00119	00127
00066	00074	00082	00090	00098	00106	00114	00122	00102	00110	00118	00126
00065	00073	00081	00089	00097	00105	00113	00121	00101	00109	00117	00125
00064	00072	00080	00088	00096	00104	00112	00120	00100	00108	00116	00124
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

PIM0

- CM05 Y=0
 - (1) 00
 - (2) 00
- CM05 Y=4
 - (1) 00
 - (2) NONE
- CM05 Y=6
 - (1) 00
 - (2) 2
- CM05 Y=8
 - (1) 00
 - (2) NONE

00007	00015	00023	00031	00039	00047	00055	00063				
00006	00014	00022	00030	00038	00046	00054	00062				
00005	00013	00021	00029	00037	00045	00053	00061				
00004	00012	00020	00028	00036	00044	00052	00060				
00003	00011	00019	00027	00035	00043	00051	00059	00039	00047	00055	00063
00002	00010	00018	00026	00034	00042	00050	00058	00038	00046	00054	00062
00001	00009	00017	00025	00033	00041	00049	00057	00037	00045	00053	00061
00000	00008	00016	00024	00032	00040	00048	00056	00036	00044	00052	00060
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

Continued on next page

2 PIMs + 6 Virtual PIMs (CM00>12: CCC)

PIM7

- CM05 Y=0
- (1) 19
- (2) 00
- CM05 Y=4
- (1) 19
- (2) 07
- CM05 Y=6
- (1) 19
- (2) 0
- CM05 Y=8
- (1) 19
- (2) 0007

19007	19015	19023	19031	19039	19047	19055	19063				
19006	19014	19022	19030	19038	19046	19054	19062				
19005	19013	19021	19029	19037	19045	19053	19061				
19004	19012	19020	19028	19036	19044	19052	19060				
19003	19011	19019	19027	19035	19043	19051	19059				
19002	19010	19018	19026	19034	19042	19050	19058				
19001	19009	19017	19025	19033	19041	19049	19057				
19000	19008	19016	19024	19032	19040	19048	19056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM6

- CM05 Y=0
- (1) 03
- (2) 00
- CM05 Y=4
- (1) 03
- (2) 06
- CM05 Y=6
- (1) 03
- (2) 0
- CM05 Y=8
- (1) 03
- (2) 0006

03007	03015	03023	03031	03039	03047	03055	03063				
03006	03014	03022	03030	03038	03046	03054	03062				
03005	03013	03021	03029	03037	03045	03053	03061				
03004	03012	03020	03028	03036	03044	03052	03060				
03003	03011	03019	03027	03035	03043	03051	03059				
03002	03010	03018	03026	03034	03042	03050	03058				
03001	03009	03017	03025	03033	03041	03049	03057				
03000	03008	03016	03024	03032	03040	03048	03056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM5

- CM05 Y=0
- (1) 18
- (2) 00
- CM05 Y=4
- (1) 18
- (2) 05
- CM05 Y=6
- (1) 18
- (2) 0
- CM05 Y=8
- (1) 18
- (2) 0005

18007	18015	18023	18031	18039	18047	18055	18063				
18006	18014	18022	18030	18038	18046	18054	18062				
18005	18013	18021	18029	18037	18045	18053	18061				
18004	18012	18020	18028	18036	18044	18052	18060				
18003	18011	18019	18027	18035	18043	18051	18059				
18002	18010	18018	18026	18034	18042	18050	18058				
18001	18009	18017	18025	18033	18041	18049	18057				
18000	18008	18016	18024	18032	18040	18048	18056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM4

- CM05 Y=0
- (1) 02
- (2) 00
- CM05 Y=4
- (1) 02
- (2) 04
- CM05 Y=6
- (1) 02
- (2) 0
- CM05 Y=8
- (1) 02
- (2) 0004

02007	02015	02023	02031	02039	02047	02055	02063				
02006	02014	02022	02030	02038	02046	02054	02062				
02005	02013	02021	02029	02037	02045	02053	02061				
02004	02012	02020	02028	02036	02044	02052	02060				
02003	02011	02019	02027	02035	02043	02051	02059				
02002	02010	02018	02026	02034	02042	02050	02058				
02001	02009	02017	02025	02033	02041	02049	02057				
02000	02008	02016	02024	02032	02040	02048	02056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

NOTE: *In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.
PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI
When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.*

3 PIMs + 5 Virtual PIMs

3 PIMs + 5 Virtual PIMs (CM00>13: CCC)

PIM3

- CM05 Y=0
 - (1) 17
 - (2) 00
- CM05 Y=4
 - (1) 17
 - (2) 03
- CM05 Y=6
 - (1) 17
 - (2) 0
- CM05 Y=8
 - (1) 17
 - (2) 0003

17007	17015	17023	17031	17039	17047	17055	17063				
17006	17014	17022	17030	17038	17046	17054	17062				
17005	17013	17021	17029	17037	17045	17053	17061				
17004	17012	17020	17028	17036	17044	17052	17060				
17003	17011	17019	17027	17035	17043	17051	17059				
17002	17010	17018	17026	17034	17042	17050	17058				
17001	17009	17017	17025	17033	17041	17049	17057				
17000	17008	17016	17024	17032	17040	17048	17056				
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

PIM2

- CM05 Y=0
 - (1) 01
 - (2) 00
- CM05 Y=4
 - (1) 01
 - (2) 02
- CM05 Y=6
 - (1) 01
 - (2) 3
- CM05 Y=8
 - (1) 01
 - (2) 0002

01007	01015	01023	01031	01039	01047	01055	01063				
01006	01014	01022	01030	01038	01046	01054	01062				
01005	01013	01021	01029	01037	01045	01053	01061				
01004	01012	01020	01028	01036	01044	01052	01060				
01003	01011	01019	01027	01035	01043	01051	01059	01039	01047	01055	01063
01002	01010	01018	01026	01034	01042	01050	01058	01038	01046	01054	01062
01001	01009	01017	01025	01033	01041	01049	01057	01037	01045	01053	01061
01000	01008	01016	01024	01032	01040	01048	01056	01036	01044	01052	01060
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

PIM1

- CM05 Y=0
 - (1) 00
 - (2) 00
- CM05 Y=4
 - (1) 00
 - (2) NONE
- CM05 Y=6
 - (1) 00
 - (2) 2
- CM05 Y=8
 - (1) 00
 - (2) NONE

00071	00079	00087	00095	00103	00111	00119	00127				
00070	00078	00086	00094	00102	00110	00118	00126				
00069	00077	00085	00093	00101	00109	00117	00125				
00068	00076	00084	00092	00100	00108	00116	00124				
00067	00075	00083	00091	00099	00107	00115	00123	00103	00111	00119	00127
00066	00074	00082	00090	00098	00106	00114	00122	00102	00110	00118	00126
00065	00073	00081	00089	00097	00105	00113	00121	00101	00109	00117	00125
00064	00072	00080	00088	00096	00104	00112	00120	00100	00108	00116	00124
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

PIM0

- CM05 Y=0
 - (1) 00
 - (2) 00
- CM05 Y=4
 - (1) 00
 - (2) NONE
- CM05 Y=6
 - (1) 00
 - (2) 2
- CM05 Y=8
 - (1) 00
 - (2) NONE

00007	00015	00023	00031	00039	00047	00055	00063				
00006	00014	00022	00030	00038	00046	00054	00062				
00005	00013	00021	00029	00037	00045	00053	00061				
00004	00012	00020	00028	00036	00044	00052	00060				
00003	00011	00019	00027	00035	00043	00051	00059	00039	00047	00055	00063
00002	00010	00018	00026	00034	00042	00050	00058	00038	00046	00054	00062
00001	00009	00017	00025	00033	00041	00049	00057	00037	00045	00053	00061
00000	00008	00016	00024	00032	00040	00048	00056	00036	00044	00052	00060
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)

NOTE

Continued on next page

3 PIMs + 5 Virtual PIMs (CM00>13: CCC)

PIM7

- CM05 Y=0
- (1) 19
- (2) 00
- CM05 Y=4
- (1) 19
- (2) 07
- CM05 Y=6
- (1) 19
- (2) 0
- CM05 Y=8
- (1) 19
- (2) 0007

19007	19015	19023	19031	19039	19047	19055	19063				
19006	19014	19022	19030	19038	19046	19054	19062				
19005	19013	19021	19029	19037	19045	19053	19061				
19004	19012	19020	19028	19036	19044	19052	19060				
19003	19011	19019	19027	19035	19043	19051	19059				
19002	19010	19018	19026	19034	19042	19050	19058				
19001	19009	19017	19025	19033	19041	19049	19057				
19000	19008	19016	19024	19032	19040	19048	19056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM6

- CM05 Y=0
- (1) 03
- (2) 00
- CM05 Y=4
- (1) 03
- (2) 06
- CM05 Y=6
- (1) 03
- (2) 0
- CM05 Y=8
- (1) 03
- (2) 0006

03007	03015	03023	03031	03039	03047	03055	03063				
03006	03014	03022	03030	03038	03046	03054	03062				
03005	03013	03021	03029	03037	03045	03053	03061				
03004	03012	03020	03028	03036	03044	03052	03060				
03003	03011	03019	03027	03035	03043	03051	03059				
03002	03010	03018	03026	03034	03042	03050	03058				
03001	03009	03017	03025	03033	03041	03049	03057				
03000	03008	03016	03024	03032	03040	03048	03056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM5

- CM05 Y=0
- (1) 18
- (2) 00
- CM05 Y=4
- (1) 18
- (2) 05
- CM05 Y=6
- (1) 18
- (2) 0
- CM05 Y=8
- (1) 18
- (2) 0005

18007	18015	18023	18031	18039	18047	18055	18063				
18006	18014	18022	18030	18038	18046	18054	18062				
18005	18013	18021	18029	18037	18045	18053	18061				
18004	18012	18020	18028	18036	18044	18052	18060				
18003	18011	18019	18027	18035	18043	18051	18059				
18002	18010	18018	18026	18034	18042	18050	18058				
18001	18009	18017	18025	18033	18041	18049	18057				
18000	18008	18016	18024	18032	18040	18048	18056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM4

- CM05 Y=0
- (1) 02
- (2) 00
- CM05 Y=4
- (1) 02
- (2) 04
- CM05 Y=6
- (1) 02
- (2) 0
- CM05 Y=8
- (1) 02
- (2) 0004

02007	02015	02023	02031	02039	02047	02055	02063				
02006	02014	02022	02030	02038	02046	02054	02062				
02005	02013	02021	02029	02037	02045	02053	02061				
02004	02012	02020	02028	02036	02044	02052	02060				
02003	02011	02019	02027	02035	02043	02051	02059				
02002	02010	02018	02026	02034	02042	02050	02058				
02001	02009	02017	02025	02033	02041	02049	02057				
02000	02008	02016	02024	02032	02040	02048	02056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

NOTE: *In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.
PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI
When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.*

4 PIMs + 4 Virtual PIMs

4 PIMs + 4 Virtual PIMs (CM00>14: CCC)

PIM3	01071	01079	01087	01095	01103	01111	01119	01127				
• CM05 Y=0	01070	01078	01086	01094	01102	01110	01118	01126				
(1) 01	01069	01077	01085	01093	01101	01109	01117	01125				
(2) 00	01068	01076	01084	01092	01100	01108	01116	01124				
• CM05 Y=4	01067	01075	01083	01091	01099	01107	01115	01123	01103	01111	01119	01127
(1) 01	01066	01074	01082	01090	01098	01106	01114	01122	01102	01110	01118	01126
(2) NONE	01065	01073	01081	01089	01097	01105	01113	01121	01101	01109	01117	01125
• CM05 Y=6	01064	01072	01080	01088	01096	01104	01112	01120	01100	01108	01116	01124
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												
• CM05 Y=8												
(1) 01												
(2) NONE												

NOTE

PIM2	01007	01015	01023	01031	01039	01047	01055	01063				
• CM05 Y=0	01006	01014	01022	01030	01038	01046	01054	01062				
(1) 01	01005	01013	01021	01029	01037	01045	01053	01061				
(2) 00	01004	01012	01020	01028	01036	01044	01052	01060				
• CM05 Y=4	01003	01011	01019	01027	01035	01043	01051	01059	01039	01047	01055	01063
(1) 01	01002	01010	01018	01026	01034	01042	01050	01058	01038	01046	01054	01062
(2) NONE	01001	01009	01017	01025	01033	01041	01049	01057	01037	01045	01053	01061
• CM05 Y=6	01000	01008	01016	01024	01032	01040	01048	01056	01036	01044	01052	01060
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 3												
• CM05 Y=8												
(1) 01												
(2) NONE												

NOTE

PIM1	00071	00079	00087	00095	00103	00111	00119	00127				
• CM05 Y=0	00070	00078	00086	00094	00102	00110	00118	00126				
(1) 00	00069	00077	00085	00093	00101	00109	00117	00125				
(2) 00	00068	00076	00084	00092	00100	00108	00116	00124				
• CM05 Y=4	00067	00075	00083	00091	00099	00107	00115	00123	00103	00111	00119	00127
(1) 00	00066	00074	00082	00090	00098	00106	00114	00122	00102	00110	00118	00126
(2) NONE	00065	00073	00081	00089	00097	00105	00113	00121	00101	00109	00117	00125
• CM05 Y=6	00064	00072	00080	00088	00096	00104	00112	00120	00100	00108	00116	00124
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												
• CM05 Y=8												
(1) 00												
(2) NONE												

NOTE

PIM0	00007	00015	00023	00031	00039	00047	00055	00063				
• CM05 Y=0	00006	00014	00022	00030	00038	00046	00054	00062				
(1) 00	00005	00013	00021	00029	00037	00045	00053	00061				
(2) 00	00004	00012	00020	00028	00036	00044	00052	00060				
• CM05 Y=4	00003	00011	00019	00027	00035	00043	00051	00059	00039	00047	00055	00063
(1) 00	00002	00010	00018	00026	00034	00042	00050	00058	00038	00046	00054	00062
(2) NONE	00001	00009	00017	00025	00033	00041	00049	00057	00037	00045	00053	00061
• CM05 Y=6	00000	00008	00016	00024	00032	00040	00048	00056	00036	00044	00052	00060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												
• CM05 Y=8												
(1) 00												
(2) NONE												

NOTE

Continued on next page

4 PIMs + 4 Virtual PIMs (CM00>14: CCC)

PIM7

- CM05 Y=0
- (1) 19
- (2) 00
- CM05 Y=4
- (1) 19
- (2) 07
- CM05 Y=6
- (1) 19
- (2) 0
- CM05 Y=8
- (1) 19
- (2) 0007

19007	19015	19023	19031	19039	19047	19055	19063				
19006	19014	19022	19030	19038	19046	19054	19062				
19005	19013	19021	19029	19037	19045	19053	19061				
19004	19012	19020	19028	19036	19044	19052	19060				
19003	19011	19019	19027	19035	19043	19051	19059				
19002	19010	19018	19026	19034	19042	19050	19058				
19001	19009	19017	19025	19033	19041	19049	19057				
19000	19008	19016	19024	19032	19040	19048	19056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM6

- CM05 Y=0
- (1) 03
- (2) 00
- CM05 Y=4
- (1) 03
- (2) 06
- CM05 Y=6
- (1) 03
- (2) 0
- CM05 Y=8
- (1) 03
- (2) 0006

03007	03015	03023	03031	03039	03047	03055	03063				
03006	03014	03022	03030	03038	03046	03054	03062				
03005	03013	03021	03029	03037	03045	03053	03061				
03004	03012	03020	03028	03036	03044	03052	03060				
03003	03011	03019	03027	03035	03043	03051	03059				
03002	03010	03018	03026	03034	03042	03050	03058				
03001	03009	03017	03025	03033	03041	03049	03057				
03000	03008	03016	03024	03032	03040	03048	03056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM5

- CM05 Y=0
- (1) 18
- (2) 00
- CM05 Y=4
- (1) 18
- (2) 05
- CM05 Y=6
- (1) 18
- (2) 0
- CM05 Y=8
- (1) 18
- (2) 0005

18007	18015	18023	18031	18039	18047	18055	18063				
18006	18014	18022	18030	18038	18046	18054	18062				
18005	18013	18021	18029	18037	18045	18053	18061				
18004	18012	18020	18028	18036	18044	18052	18060				
18003	18011	18019	18027	18035	18043	18051	18059				
18002	18010	18018	18026	18034	18042	18050	18058				
18001	18009	18017	18025	18033	18041	18049	18057				
18000	18008	18016	18024	18032	18040	18048	18056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

PIM4

- CM05 Y=0
- (1) 02
- (2) 00
- CM05 Y=4
- (1) 02
- (2) 04
- CM05 Y=6
- (1) 02
- (2) 0
- CM05 Y=8
- (1) 02
- (2) 0004

02007	02015	02023	02031	02039	02047	02055	02063				
02006	02014	02022	02030	02038	02046	02054	02062				
02005	02013	02021	02029	02037	02045	02053	02061				
02004	02012	02020	02028	02036	02044	02052	02060				
02003	02011	02019	02027	02035	02043	02051	02059				
02002	02010	02018	02026	02034	02042	02050	02058				
02001	02009	02017	02025	02033	02041	02049	02057				
02000	02008	02016	02024	02032	02040	02048	02056	(LT08)	(LT09)	(LT10)	(LT11)
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)				

NOTE: *In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.
PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI
When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.*

LEN of CM10

8 PIMs

8 PIMs (CM00>1: CCC)

PIM3	307	315	323	331	339	347	355	363				
• CM05 Y=0	306	314	322	330	338	346	354	362				
(1) 01	305	313	321	329	337	345	353	361				
(2) 00	304	312	320	328	336	344	352	360				
• CM05 Y=4	303	311	319	327	335	343	351	359	339	347	355	363
(1) 01	302	310	318	326	334	342	350	358	338	346	354	362
(2) NONE	301	309	317	325	333	341	349	357	337	345	353	361
• CM05 Y=6	300	308	316	324	332	340	348	356	336	344	352	360
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

PIM2	207	215	223	231	239	247	255	263				
• CM05 Y=0	206	214	222	230	238	246	254	262				
(1) 01	205	213	221	229	237	245	253	261				
(2) 00	204	212	220	228	236	244	252	260				
• CM05 Y=4	203	211	219	227	235	243	251	259	239	247	255	263
(1) 01	202	210	218	226	234	242	250	258	238	246	254	262
(2) NONE	201	209	217	225	233	241	249	257	237	245	253	261
• CM05 Y=6	200	208	216	224	232	240	248	256	236	244	252	260
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

PIM1	107	115	123	131	139	147	155	163				
• CM05 Y=0	106	114	122	130	138	146	154	162				
(1) 00	105	113	121	129	137	145	153	161				
(2) 00	104	112	120	128	136	144	152	160				
• CM05 Y=4	103	111	119	127	135	143	151	159	139	147	155	163
(1) 00	102	110	118	126	134	142	150	158	138	146	154	162
(2) NONE	101	109	117	125	133	141	149	157	137	145	153	161
• CM05 Y=6	100	108	116	124	132	140	148	156	136	144	152	160
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 2

PIM0	007	015	023	031	039	047	055	063				
• CM05 Y=0	006	014	022	030	038	046	054	062				
(1) 00	005	013	021	029	037	045	053	061				
(2) 00	004	012	020	028	036	044	052	060				
• CM05 Y=4	003	011	019	027	035	043	051	059	039	047	055	063
(1) 00	002	010	018	026	034	042	050	058	038	046	054	062
(2) NONE	001	009	017	025	033	041	049	057	037	045	053	061
• CM05 Y=6	000	008	016	024	032	040	048	056	036	044	052	060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 2

Continued on next page

8 PIMs (CM00>1: CCC)

PIM7	707	715	723	731	739	747	755	763				
• CM05 Y=0	706	714	722	730	738	746	754	762				
(1) 03	705	713	721	729	737	745	753	761				
(2) 00	704	712	720	728	736	744	752	760				
• CM05 Y=4	703	711	719	727	735	743	751	759	739	747	755	763
(1) 03	702	710	718	726	734	742	750	758	738	746	754	762
(2) NONE	701	709	717	725	733	741	749	757	737	745	753	761
• CM05 Y=6	700	708	716	724	732	740	748	756	736	744	752	760
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

PIM6	607	615	623	631	639	647	655	663				
• CM05 Y=0	606	614	622	630	638	646	654	662				
(1) 03	605	613	621	629	637	645	653	661				
(2) 00	604	612	620	628	636	644	652	660				
• CM05 Y=4	603	611	619	627	635	643	651	659	639	647	655	663
(1) 03	602	610	618	626	634	642	650	658	638	646	654	662
(2) NONE	601	609	617	625	633	641	649	657	637	645	653	661
• CM05 Y=6	600	608	616	624	632	640	648	656	636	644	652	660
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

PIM5	507	515	523	531	539	547	555	563				
• CM05 Y=0	506	514	522	530	538	546	554	562				
(1) 02	505	513	521	529	537	545	553	561				
(2) 00	504	512	520	528	536	544	552	560				
• CM05 Y=4	503	511	519	527	535	543	551	559	539	547	555	563
(1) 02	502	510	518	526	534	542	550	558	538	546	554	562
(2) NONE	501	509	517	525	533	541	549	557	537	545	553	561
• CM05 Y=6	500	508	516	524	532	540	548	556	536	544	552	560
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

PIM4	407	415	423	431	439	447	455	463				
• CM05 Y=0	406	414	422	430	438	446	454	462				
(1) 02	405	413	421	429	437	445	453	461				
(2) 00	404	412	420	428	436	444	452	460				
• CM05 Y=4	403	411	419	427	435	443	451	459	439	447	455	463
(1) 02	402	410	418	426	434	442	450	458	438	446	454	462
(2) NONE	401	409	417	425	433	441	449	457	437	445	453	461
• CM05 Y=6	400	408	416	424	432	440	448	456	436	444	452	460
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) NONE												

NOTE 1

NOTE 2

NOTE 1: Use CM10>XZZ: X (PIM: 0-7) + ZZ (Port: 00-63).

Do not use CM14 in this configuration.

NOTE 2: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.

PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI

When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

1 PIM + 7 Virtual PIMs

1 PIM + 7 Virtual PIMs (CM00>11: CCC)

PIM3	17007	17015	17023	17031	17039	17047	17055	17063				
• CM05 Y=0	17006	17014	17022	17030	17038	17046	17054	17062				
(1) 17	17005	17013	17021	17029	17037	17045	17053	17061				
(2) 00	17004	17012	17020	17028	17036	17044	17052	17060				
• CM05 Y=4	17003	17011	17019	17027	17035	17043	17051	17059				
(1) 17	17002	17010	17018	17026	17034	17042	17050	17058				
(2) 03	17001	17009	17017	17025	17033	17041	17049	17057				
• CM05 Y=6	17000	17008	17016	17024	17032	17040	17048	17056				
(1) 17	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM2	01007	01015	01023	01031	01039	01047	01055	01063				
• CM05 Y=0	01006	01014	01022	01030	01038	01046	01054	01062				
(1) 01	01005	01013	01021	01029	01037	01045	01053	01061				
(2) 00	01004	01012	01020	01028	01036	01044	01052	01060				
• CM05 Y=4	01003	01011	01019	01027	01035	01043	01051	01059				
(1) 01	01002	01010	01018	01026	01034	01042	01050	01058				
(2) 02	01001	01009	01017	01025	01033	01041	01049	01057				
• CM05 Y=6	01000	01008	01016	01024	01032	01040	01048	01056				
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM1	16007	16015	16023	16031	16039	16047	16055	16063				
• CM05 Y=0	16006	16014	16022	16030	16038	16046	16054	16062				
(1) 16	16005	16013	16021	16029	16037	16045	16053	16061				
(2) 00	16004	16012	16020	16028	16036	16044	16052	16060				
• CM05 Y=4	16003	16011	16019	16027	16035	16043	16051	16059				
(1) 16	16002	16010	16018	16026	16034	16042	16050	16058				
(2) 01	16001	16009	16017	16025	16033	16041	16049	16057				
• CM05 Y=6	16000	16008	16016	16024	16032	16040	16048	16056				
(1) 16	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM0	007	015	023	031	039	047	055	063				
• CM05 Y=0	006	014	022	030	038	046	054	062				
(1) 00	005	013	021	029	037	045	053	061				
(2) 00	004	012	020	028	036	044	052	060				
• CM05 Y=4	003	011	019	027	035	043	051	059	039	047	055	063
(1) 00	002	010	018	026	034	042	050	058	038	046	054	062
(2) 00	001	009	017	025	033	041	049	057	037	045	053	061
• CM05 Y=6	000	008	016	024	032	040	048	056	036	044	052	060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

Continued on next page

1 PIM + 7 Virtual PIMs (CM00>11: CCC)

PIM7	19007	19015	19023	19031	19039	19047	19055	19063				
• CM05 Y=0	19006	19014	19022	19030	19038	19046	19054	19062				
(1) 19	19005	19013	19021	19029	19037	19045	19053	19061				
(2) 00	19004	19012	19020	19028	19036	19044	19052	19060				
• CM05 Y=4	19003	19011	19019	19027	19035	19043	19051	19059				
(1) 19	19002	19010	19018	19026	19034	19042	19050	19058				
(2) 07	19001	19009	19017	19025	19033	19041	19049	19057				
• CM05 Y=6	19000	19008	19016	19024	19032	19040	19048	19056				
(1) 19	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM6	03007	03015	03023	03031	03039	03047	03055	03063				
• CM05 Y=0	03006	03014	03022	03030	03038	03046	03054	03062				
(1) 03	03005	03013	03021	03029	03037	03045	03053	03061				
(2) 00	03004	03012	03020	03028	03036	03044	03052	03060				
• CM05 Y=4	03003	03011	03019	03027	03035	03043	03051	03059				
(1) 03	03002	03010	03018	03026	03034	03042	03050	03058				
(2) 06	03001	03009	03017	03025	03033	03041	03049	03057				
• CM05 Y=6	03000	03008	03016	03024	03032	03040	03048	03056				
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM5	18007	18015	18023	18031	18039	18047	18055	18063				
• CM05 Y=0	18006	18014	18022	18030	18038	18046	18054	18062				
(1) 18	18005	18013	18021	18029	18037	18045	18053	18061				
(2) 00	18004	18012	18020	18028	18036	18044	18052	18060				
• CM05 Y=4	18003	18011	18019	18027	18035	18043	18051	18059				
(1) 18	18002	18010	18018	18026	18034	18042	18050	18058				
(2) 05	18001	18009	18017	18025	18033	18041	18049	18057				
• CM05 Y=6	18000	18008	18016	18024	18032	18040	18048	18056				
(1) 18	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM4	02007	02015	02023	02031	02039	02047	02055	02063				
• CM05 Y=0	02006	02014	02022	02030	02038	02046	02054	02062				
(1) 02	02005	02013	02021	02029	02037	02045	02053	02061				
(2) 00	02004	02012	02020	02028	02036	02044	02052	02060				
• CM05 Y=4	02003	02011	02019	02027	02035	02043	02051	02059				
(1) 02	02002	02010	02018	02026	02034	03042	02050	02058				
(2) 04	02001	02009	02017	02025	02033	03041	02049	02057				
• CM05 Y=6	02000	02008	02016	02024	02032	02040	02048	02056				
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

NOTE 1: Use CM10>XZZ: X (PIM: 0) + ZZ (Port: 00-63) only.

NOTE 2: Use CM14>XXZZZ: XX (FP No. 01-03, 16-19) + ZZZ (Port No. of Virtual PIM: 000-063).

NOTE 3: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.

PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI

When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

2 PIMs + 6 Virtual PIMs

2 PIMs + 6 Virtual PIMs (CM00>12: CCC)

PIM3	17007	17015	17023	17031	17039	17047	17055	17063				
• CM05 Y=0	17006	17014	17022	17030	17038	17046	17054	17062				
(1) 17	17005	17013	17021	17029	17037	17045	17053	17061				
(2) 00	17004	17012	17020	17028	17036	17044	17052	17060				
• CM05 Y=4	17003	17011	17019	17027	17035	17043	17051	17059				
(1) 17	17002	17010	17018	17026	17034	17042	17050	17058				
(2) 03	17001	17009	17017	17025	17033	17041	17049	17057				
• CM05 Y=6	17000	17008	17016	17024	17032	17040	17048	17056				
(1) 17	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM2	01007	01015	01023	01031	01039	01047	01055	01063				
• CM05 Y=0	01006	01014	01022	01030	01038	01046	01054	01062				
(1) 01	01005	01013	01021	01029	01037	01045	01053	01061				
(2) 00	01004	01012	01020	01028	01036	01044	01052	01060				
• CM05 Y=4	01003	01011	01019	01027	01035	01043	01051	01059				
(1) 01	01002	01010	01018	01026	01034	01042	01050	01058				
(2) 02	01001	01009	01017	01025	01033	01041	01049	01057				
• CM05 Y=6	01000	01008	01016	01024	01032	01040	01048	01056				
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM1	107	115	123	131	139	147	155	163				
• CM05 Y=0	106	114	122	130	138	146	154	162				
(1) 00	105	113	121	129	137	145	153	161				
(2) 00	104	112	120	128	136	144	152	160				
• CM05 Y=4	103	111	119	127	135	143	151	159	139	147	155	163
(1) 00	102	110	118	126	134	142	150	158	138	146	154	162
(2) NONE	101	109	117	125	133	141	149	157	137	145	153	161
• CM05 Y=6	100	108	116	124	132	140	148	156	136	144	152	160
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

PIM0	007	015	023	031	039	047	055	063				
• CM05 Y=0	006	014	022	030	038	046	054	062				
(1) 00	005	013	021	029	037	045	053	061				
(2) 00	004	012	020	028	036	044	052	060				
• CM05 Y=4	003	011	019	027	035	043	051	059	039	047	055	063
(1) 00	002	010	018	026	034	042	050	058	038	046	054	062
(2) NONE	001	009	017	025	033	041	049	057	037	045	053	061
• CM05 Y=6	000	008	016	024	032	040	048	056	036	044	052	060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

Continued on next page

2 PIMs + 6 Virtual PIMs (CM00>12: CCC)

PIM7	19007	19015	19023	19031	19039	19047	19055	19063				
• CM05 Y=0	19006	19014	19022	19030	19038	19046	19054	19062				
(1) 19	19005	19013	19021	19029	19037	19045	19053	19061				
(2) 00	19004	19012	19020	19028	19036	19044	19052	19060				
• CM05 Y=4	19003	19011	19019	19027	19035	19043	19051	19059				
(1) 19	19002	19010	19018	19026	19034	19042	19050	19058				
(2) 07	19001	19009	19017	19025	19033	19041	19049	19057				
• CM05 Y=6	19000	19008	19016	19024	19032	19040	19048	19056				
(1) 19	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM6	03007	03015	03023	03031	03039	03047	03055	03063				
• CM05 Y=0	03006	03014	03022	03030	03038	03046	03054	03062				
(1) 03	03005	03013	03021	03029	03037	03045	03053	03061				
(2) 00	03004	03012	03020	03028	03036	03044	03052	03060				
• CM05 Y=4	03003	03011	03019	03027	03035	03043	03051	03059				
(1) 03	03002	03010	03018	03026	03034	03042	03050	03058				
(2) 06	03001	03009	03017	03025	03033	03041	03049	03057				
• CM05 Y=6	03000	03008	03016	03024	03032	03040	03048	03056				
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM5	18007	18015	18023	18031	18039	18047	18055	18063				
• CM05 Y=0	18006	18014	18022	18030	18038	18046	18054	18062				
(1) 18	18005	18013	18021	18029	18037	18045	18053	18061				
(2) 00	18004	18012	18020	18028	18036	18044	18052	18060				
• CM05 Y=4	18003	18011	18019	18027	18035	18043	18051	18059				
(1) 18	18002	18010	18018	18026	18034	18042	18050	18058				
(2) 05	18001	18009	18017	18025	18033	18041	18049	18057				
• CM05 Y=6	18000	18008	18016	18024	18032	18040	18048	18056				
(1) 18	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM4	02007	02015	02023	02031	02039	02047	02055	02063				
• CM05 Y=0	02006	02014	02022	02030	02038	02046	02054	02062				
(1) 02	02005	02013	02021	02029	02037	02045	02053	02061				
(2) 00	02004	02012	02020	02028	02036	02044	02052	02060				
• CM05 Y=4	02003	02011	02019	02027	02035	02043	02051	02059				
(1) 02	02002	02010	02018	02026	02034	03042	02050	02058				
(2) 04	02001	02009	02017	02025	02033	03041	02049	02057				
• CM05 Y=6	02000	02008	02016	02024	02032	02040	02048	02056				
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

NOTE 1: Use CM10>XZZ: X (PIM: 0-1) + ZZ (Port: 00-63) only.

NOTE 2: Use CM14>XXZZZ: XX (FP No. 01-03, 17-19) + ZZZ (Port No. of Virtual PIM: 000-063).

NOTE 3: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.

PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI

When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

3 PIMs + 5 Virtual PIMs

3 PIMs + 5 Virtual PIMs (CM00>13: CCC)

PIM3	17007	17015	17023	17031	17039	17047	17055	17063				
• CM05 Y=0	17006	17014	17022	17030	17038	17046	17054	17062				
(1) 17	17005	17013	17021	17029	17037	17045	17053	17061				
(2) 00	17004	17012	17020	17028	17036	17044	17052	17060				
• CM05 Y=4	17003	17011	17019	17027	17035	17043	17051	17059				
(1) 17	17002	17010	17018	17026	17034	17042	17050	17058				
(2) 03	17001	17009	17017	17025	17033	17041	17049	17057				
• CM05 Y=6	17000	17008	17016	17024	17032	17040	17048	17056				
(1) 17	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM2	207	215	223	231	239	247	255	263				
• CM05 Y=0	206	214	222	230	238	246	254	262				
(1) 01	205	213	221	229	237	245	253	261				
(2) 00	204	212	220	228	236	244	252	260				
• CM05 Y=4	203	211	219	227	235	243	251	259	239	247	255	263
(1) 01	202	210	218	226	234	242	250	258	238	246	254	262
(2) 02	201	209	217	225	233	241	249	257	237	245	253	261
• CM05 Y=6	200	208	216	224	232	240	248	256	236	244	252	260
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 3												

NOTE 1

NOTE 3

PIM1	107	115	123	131	139	147	155	163				
• CM05 Y=0	106	114	122	130	138	146	154	162				
(1) 00	105	113	121	129	137	145	153	161				
(2) 00	104	112	120	128	136	144	152	160				
• CM05 Y=4	103	111	119	127	135	143	151	159	139	147	155	163
(1) 00	102	110	118	126	134	142	150	158	138	146	154	162
(2) NONE	101	109	117	125	133	141	149	157	137	145	153	161
• CM05 Y=6	100	108	116	124	132	140	148	156	136	144	152	160
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

PIM0	007	015	023	031	039	047	055	063				
• CM05 Y=0	006	014	022	030	038	046	054	062				
(1) 00	005	013	021	029	037	045	053	061				
(2) 00	004	012	020	028	036	044	052	060				
• CM05 Y=4	003	011	019	027	035	043	051	059	039	047	055	063
(1) 00	002	010	018	026	034	042	050	058	038	046	054	062
(2) NONE	001	009	017	025	033	041	049	057	037	045	053	061
• CM05 Y=6	000	008	016	024	032	040	048	056	036	044	052	060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

Continued on next page

3 PIMs + 5 Virtual PIMs (CM00>13: CCC)

PIM7	19007	19015	19023	19031	19039	19047	19055	19063				
• CM05 Y=0	19006	19014	19022	19030	19038	19046	19054	19062				
(1) 19	19005	19013	19021	19029	19037	19045	19053	19061				
(2) 00	19004	19012	19020	19028	19036	19044	19052	19060				
• CM05 Y=4	19003	19011	19019	19027	19035	19043	19051	19059				
(1) 19	19002	19010	19018	19026	19034	19042	19050	19058				
(2) 07	19001	19009	19017	19025	19033	19041	19049	19057				
• CM05 Y=6	19000	19008	19016	19024	19032	19040	19048	19056				
(1) 19	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM6	03007	03015	03023	03031	03039	03047	03055	03063				
• CM05 Y=0	03006	03014	03022	03030	03038	03046	03054	03062				
(1) 03	03005	03013	03021	03029	03037	03045	03053	03061				
(2) 00	03004	03012	03020	03028	03036	03044	03052	03060				
• CM05 Y=4	03003	03011	03019	03027	03035	03043	03051	03059				
(1) 03	03002	03010	03018	03026	03034	03042	03050	03058				
(2) 06	03001	03009	03017	03025	03033	03041	03049	03057				
• CM05 Y=6	03000	03008	03016	03024	03032	03040	03048	03056				
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM5	18007	18015	18023	18031	18039	18047	18055	18063				
• CM05 Y=0	18006	18014	18022	18030	18038	18046	18054	18062				
(1) 18	18005	18013	18021	18029	18037	18045	18053	18061				
(2) 00	18004	18012	18020	18028	18036	18044	18052	18060				
• CM05 Y=4	18003	18011	18019	18027	18035	18043	18051	18059				
(1) 18	18002	18010	18018	18026	18034	18042	18050	18058				
(2) 05	18001	18009	18017	18025	18033	18041	18049	18057				
• CM05 Y=6	18000	18008	18016	18024	18032	18040	18048	18056				
(1) 18	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM4	02007	02015	02023	02031	02039	02047	02055	02063				
• CM05 Y=0	02006	02014	02022	02030	02038	02046	02054	02062				
(1) 02	02005	02013	02021	02029	02037	02045	02053	02061				
(2) 00	02004	02012	02020	02028	02036	02044	02052	02060				
• CM05 Y=4	02003	02011	02019	02027	02035	02043	02051	02059				
(1) 02	02002	02010	02018	02026	02034	03042	02050	02058				
(2) 04	02001	02009	02017	02025	02033	03041	02049	02057				
• CM05 Y=6	02000	02008	02016	02024	02032	02040	02048	02056				
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

NOTE 1: Use CM10>XZZ: X (PIM: 0-2) + ZZ (Port: 00-63) only.

NOTE 2: Use CM14>XXZZZ: XX (FP No. 02, 03, 17-19) + ZZZ (Port No. of Virtual PIM: 000-063).

NOTE 3: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.

PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI

When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

4 PIMs + 4 Virtual PIMs

4 PIMs + 4 Virtual PIMs (CM00>14: CCC)

PIM3	307	315	323	331	339	347	355	363				
• CM05 Y=0	306	314	322	330	338	346	354	362				
(1) 01	305	313	321	329	337	345	353	361				
(2) 00	304	312	320	328	336	344	352	360				
• CM05 Y=4	303	311	319	327	335	343	351	359	339	347	355	363
(1) 01	302	310	318	326	334	342	350	358	338	346	354	362
(2) NONE	301	309	317	325	333	341	349	357	337	345	353	361
• CM05 Y=6	300	308	316	324	332	340	348	356	336	344	352	360
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 3												

NOTE 1

NOTE 3

PIM2	207	215	223	231	239	247	255	263				
• CM05 Y=0	206	214	222	230	238	246	254	262				
(1) 01	205	213	221	229	237	245	253	261				
(2) 00	204	212	220	228	236	244	252	260				
• CM05 Y=4	203	211	219	227	235	243	251	259	239	247	255	263
(1) 01	202	210	218	226	234	242	250	258	238	246	254	262
(2) NONE	201	209	217	225	233	241	249	257	237	245	253	261
• CM05 Y=6	200	208	216	224	232	240	248	256	236	244	252	260
(1) 01	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 3												

NOTE 1

NOTE 3

PIM1	107	115	123	131	139	147	155	163				
• CM05 Y=0	106	114	122	130	138	146	154	162				
(1) 00	105	113	121	129	137	145	153	161				
(2) 00	104	112	120	128	136	144	152	160				
• CM05 Y=4	103	111	119	127	135	143	151	159	139	147	155	163
(1) 00	102	110	118	126	134	142	150	158	138	146	154	162
(2) NONE	101	109	117	125	133	141	149	157	137	145	153	161
• CM05 Y=6	100	108	116	124	132	140	148	156	136	144	152	160
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

PIM0	007	015	023	031	039	047	055	063				
• CM05 Y=0	006	014	022	030	038	046	054	062				
(1) 00	005	013	021	029	037	045	053	061				
(2) 00	004	012	020	028	036	044	052	060				
• CM05 Y=4	003	011	019	027	035	043	051	059	039	047	055	063
(1) 00	002	010	018	026	034	042	050	058	038	046	054	062
(2) NONE	001	009	017	025	033	041	049	057	037	045	053	061
• CM05 Y=6	000	008	016	024	032	040	048	056	036	044	052	060
(1) 00	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 2												

NOTE 1

NOTE 3

Continued on next page

4 PIMs + 4 Virtual PIMs (CM00>14: CCC)

PIM7	19007	19015	19023	19031	19039	19047	19055	19063				
• CM05 Y=0	19006	19014	19022	19030	19038	19046	19054	19062				
(1) 19	19005	19013	19021	19029	19037	19045	19053	19061				
(2) 00	19004	19012	19020	19028	19036	19044	19052	19060				
• CM05 Y=4	19003	19011	19019	19027	19035	19043	19051	19059				
(1) 19	19002	19010	19018	19026	19034	19042	19050	19058				
(2) 07	19001	19009	19017	19025	19033	19041	19049	19057				
• CM05 Y=6	19000	19008	19016	19024	19032	19040	19048	19056				
(1) 19	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM6	03007	03015	03023	03031	03039	03047	03055	03063				
• CM05 Y=0	03006	03014	03022	03030	03038	03046	03054	03062				
(1) 03	03005	03013	03021	03029	03037	03045	03053	03061				
(2) 00	03004	03012	03020	03028	03036	03044	03052	03060				
• CM05 Y=4	03003	03011	03019	03027	03035	03043	03051	03059				
(1) 03	03002	03010	03018	03026	03034	03042	03050	03058				
(2) 06	03001	03009	03017	03025	03033	03041	03049	03057				
• CM05 Y=6	03000	03008	03016	03024	03032	03040	03048	03056				
(1) 03	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM5	18007	18015	18023	18031	18039	18047	18055	18063				
• CM05 Y=0	18006	18014	18022	18030	18038	18046	18054	18062				
(1) 18	18005	18013	18021	18029	18037	18045	18053	18061				
(2) 00	18004	18012	18020	18028	18036	18044	18052	18060				
• CM05 Y=4	18003	18011	18019	18027	18035	18043	18051	18059				
(1) 18	18002	18010	18018	18026	18034	18042	18050	18058				
(2) 05	18001	18009	18017	18025	18033	18041	18049	18057				
• CM05 Y=6	18000	18008	18016	18024	18032	18040	18048	18056				
(1) 18	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

PIM4	02007	02015	02023	02031	02039	02047	02055	02063				
• CM05 Y=0	02006	02014	02022	02030	02038	02046	02054	02062				
(1) 02	02005	02013	02021	02029	02037	02045	02053	02061				
(2) 00	02004	02012	02020	02028	02036	02044	02052	02060				
• CM05 Y=4	02003	02011	02019	02027	02035	02043	02051	02059				
(1) 02	02002	02010	02018	02026	02034	03042	02050	02058				
(2) 04	02001	02009	02017	02025	02033	03041	02049	02057				
• CM05 Y=6	02000	02008	02016	02024	02032	02040	02048	02056				
(1) 02	(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)
(2) 0												

NOTE 2

NOTE 1: Use CM10>XZZ: X (PIM: 0-3) + ZZ (Port: 00-63) only.

NOTE 2: Use CM14>XXZZZ: XX (FP No. 02, 03, 18, 19) + ZZZ (Port No. of Virtual PIM: 000-063).

NOTE 3: In Slot 08-11, the following 8-port or 16-port line/trunk circuit cards are not mountable.

PN-8COT, PN-8DLC, PN-8LC, PN-4DAT, PN-CFTB, PN-2CSI, PN-4CSI

When the above line/trunk cards are mounted in Slot LT01/AP01-LT07/AP07, only application processor cards (not including PN-2ILCC) are mountable in Slot LT08/AP08-LT11/AP11.

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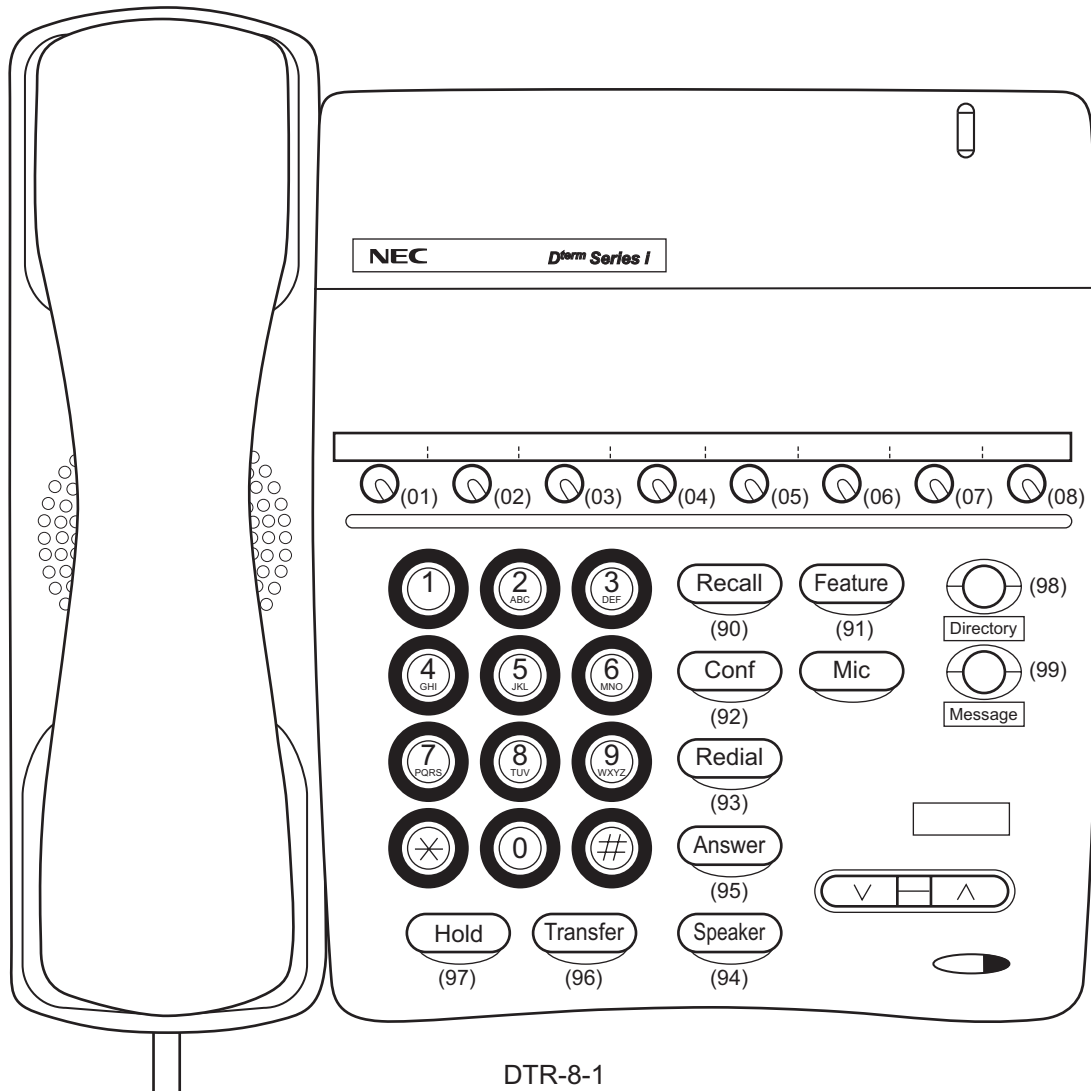
APPENDIX B

TERMINAL KEY ASSIGNMENT

This appendix contains the key number layout of each D^{term}, D^{term}IP, ATTCON, DESKCON, DSS Console, and Add-On Module. Refer to this appendix when you assign a key function by CM90 or CM97.

D ^{term} Series i/D ^{term} IP Key Numbers	B2
D ^{term} 75 Key Numbers	B11
D ^{term} 65 Key Numbers	B15
ATTCON Key Numbers	B20
DESKCON Key Numbers	B21
DSS Console Key Numbers	B22
Add-On Module Key Numbers	B25

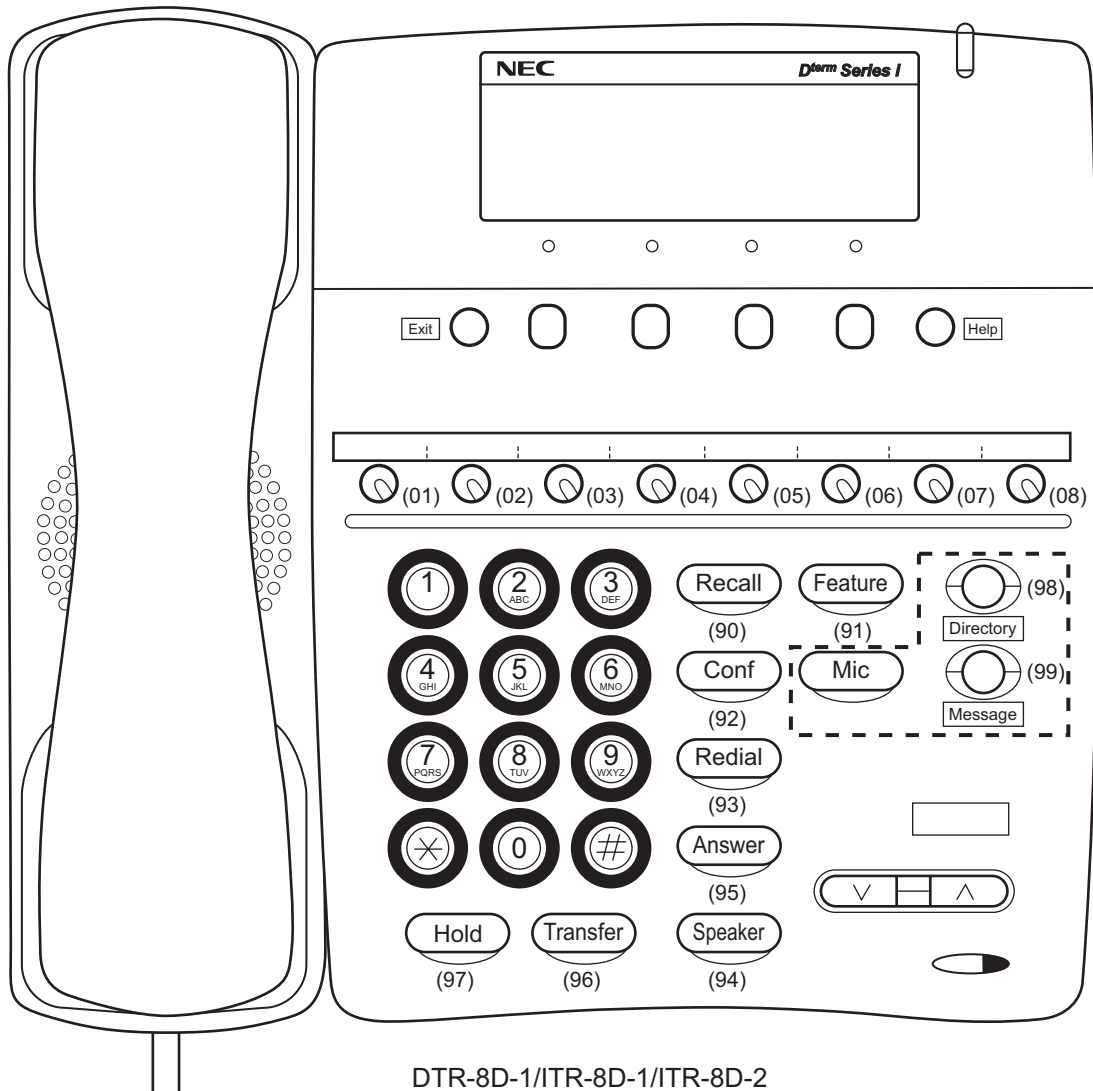
D^{term} Series i/D^{term}IP Key Numbers



DTR-8-1

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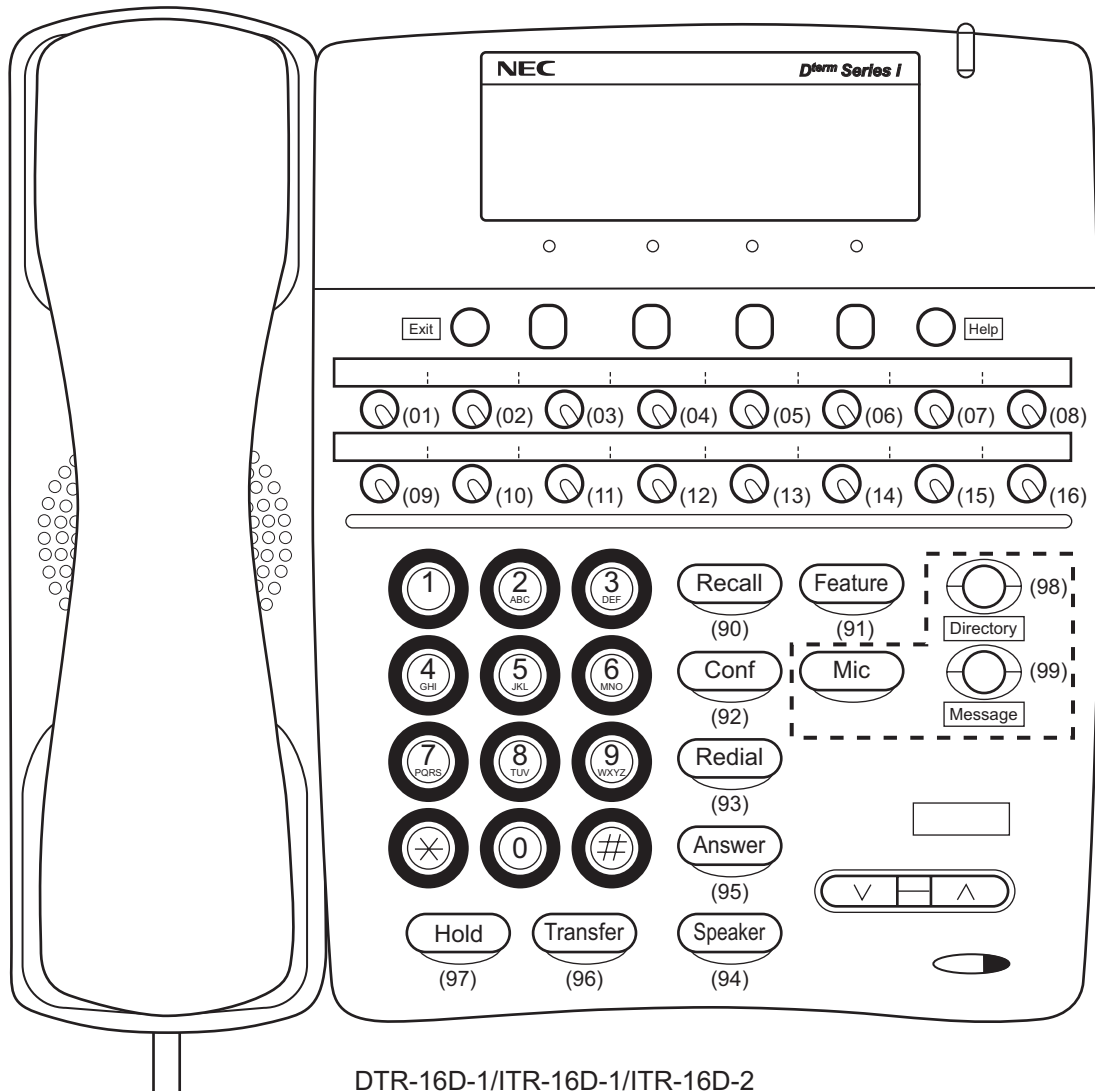
D^{term} Series i/D^{term}IP Key Numbers



NOTE: In case of ITR-8D-1, “Directory”, “Message” and “Mic” keys are not equipped.

Continued on next page

D^{term} Series i/D^{term}IP Key Numbers



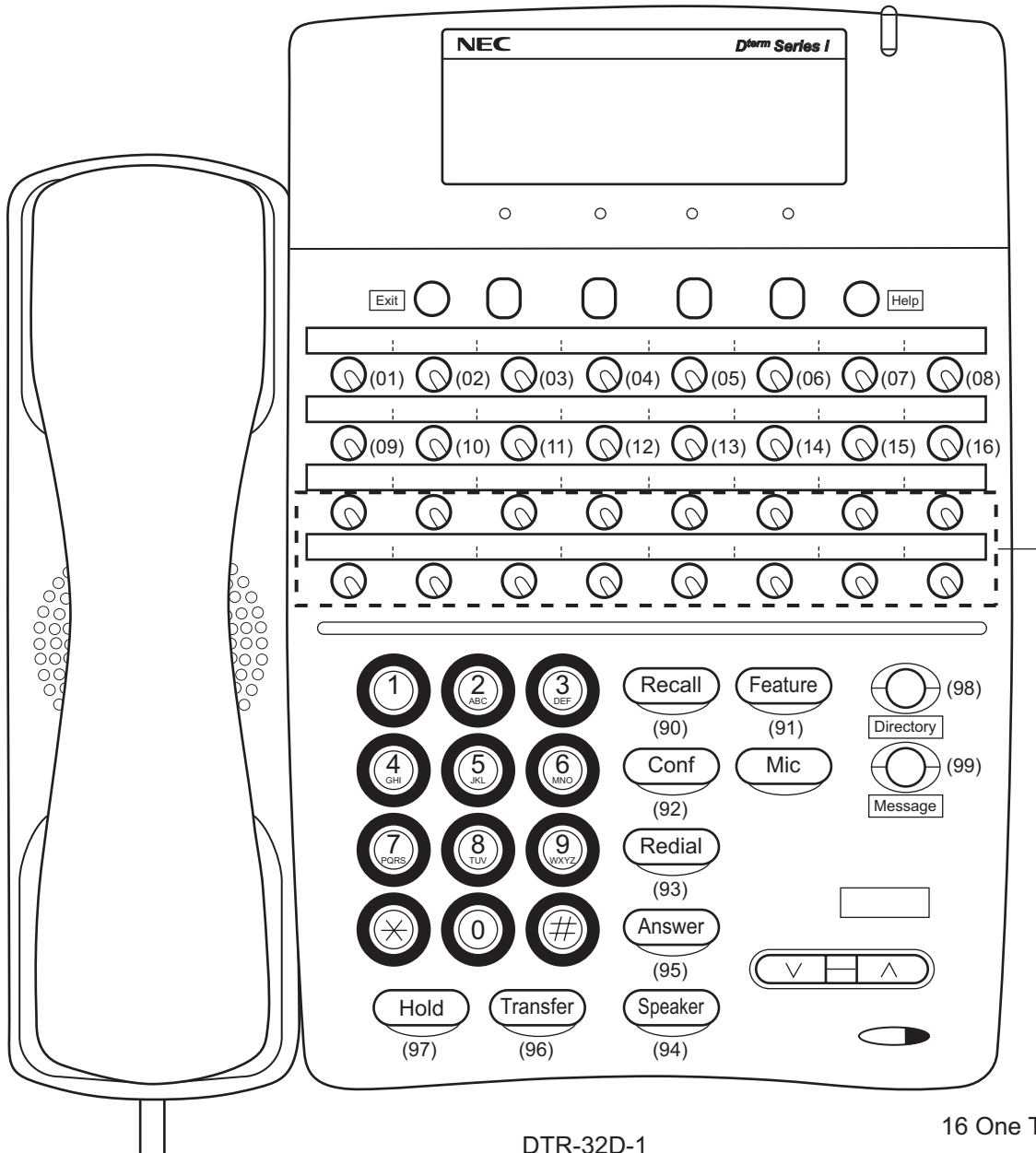
NOTE

NOTE: In case of ITR-16D-1, “Directory”, “Message” and “Mic” keys are not equipped.

Continued on next page

D^{term} Series i/D^{term}IP Key Numbers

16 Line/Trunk/Feature Keys + 16 One Touch Keys



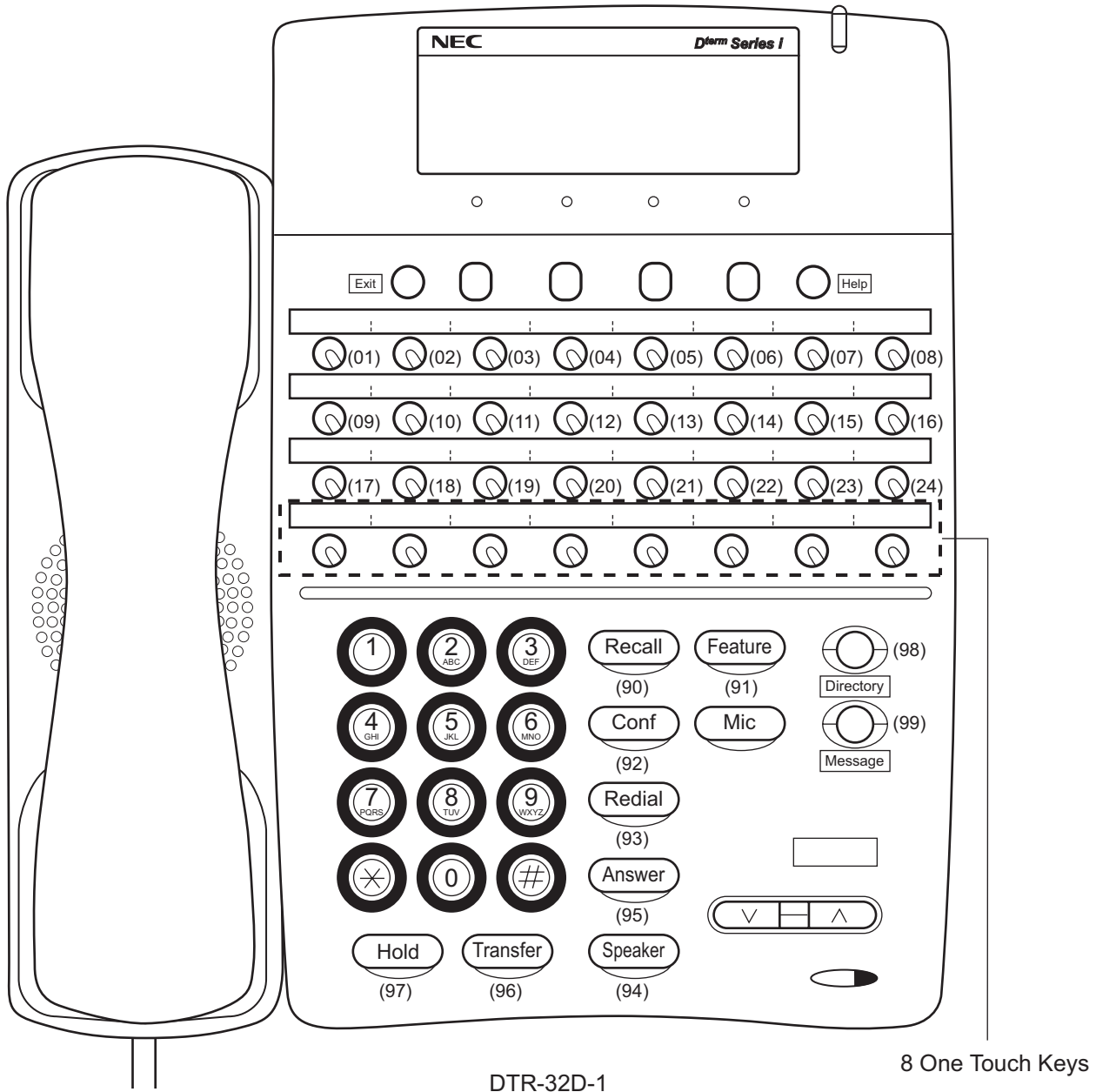
DTR-32D-1

16 One Touch Keys

Continued on next page

D^{term} Series i/D^{term}IP Key Numbers

24 Line/Trunk/Feature Keys + 8 One Touch Keys



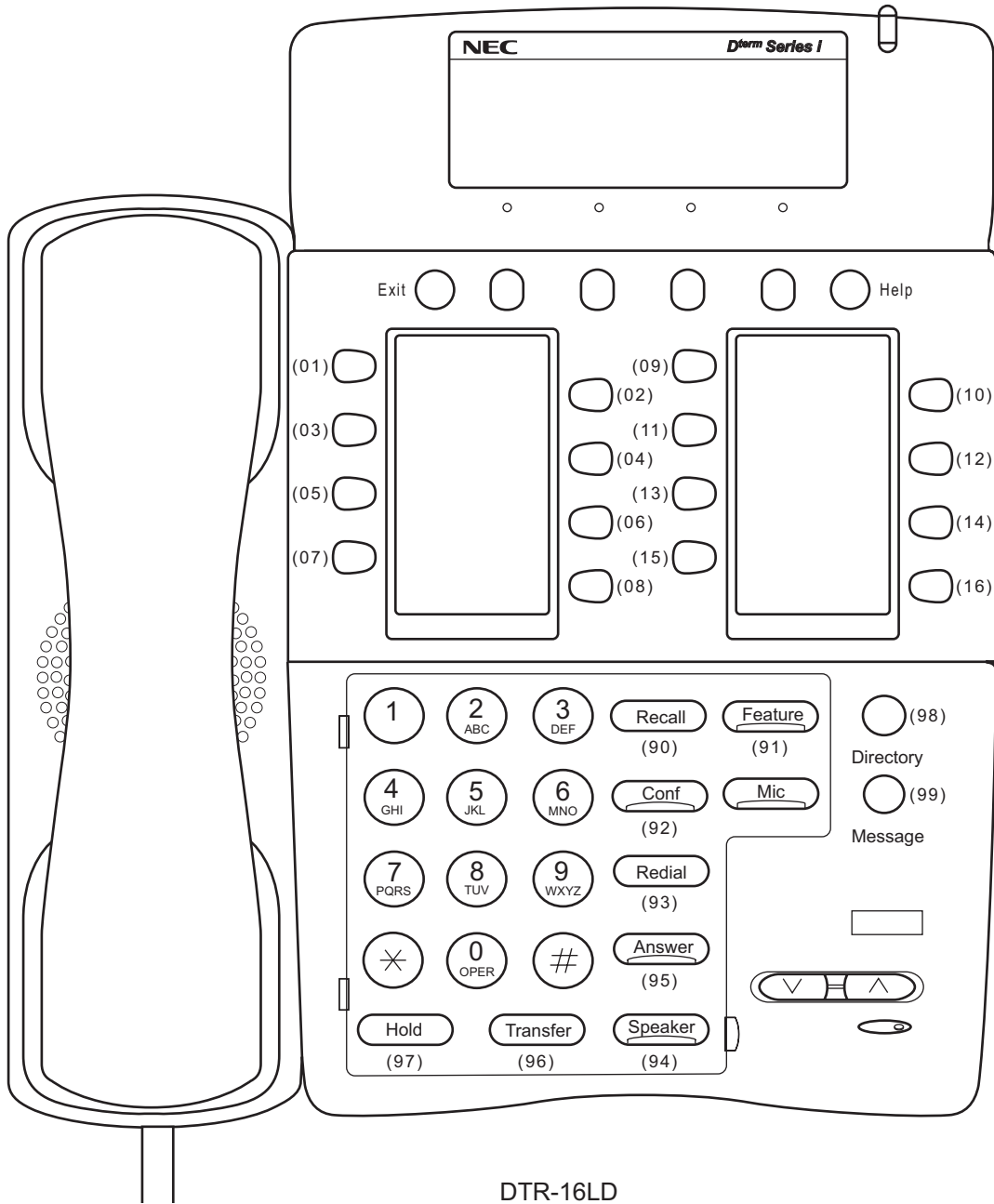
DTR-32D-1

8 One Touch Keys

NOTE: The default setting of key layout is for 16 Line/Trunk/Feature keys + 16 One Touch keys. When using key No. 17-24, set CM12 Y=24, 2nd data=0. After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the D^{term}.

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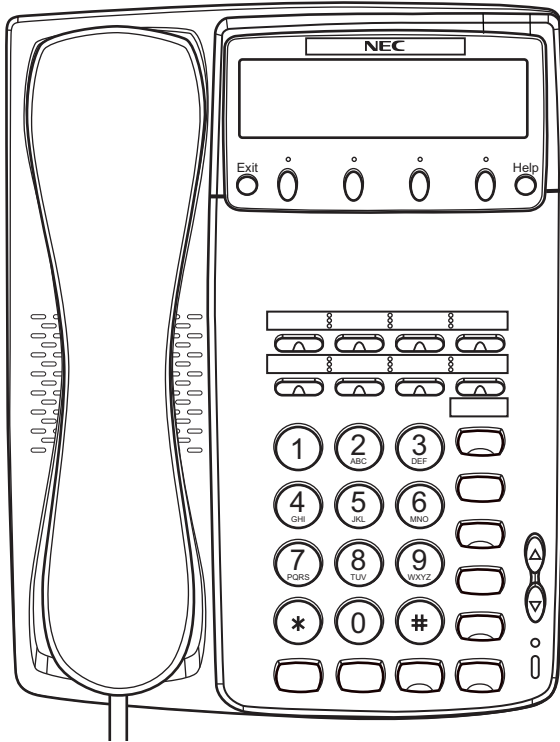
D^{term} Series i/D^{term}IP Key Numbers



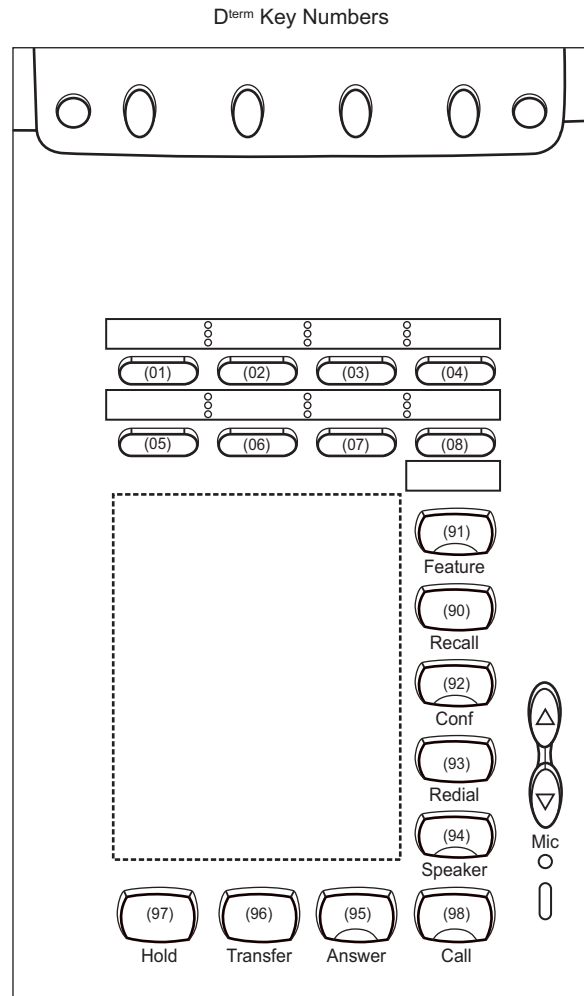
DTR-16LD

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D^{term} Series i/D^{term}IP Key Numbers

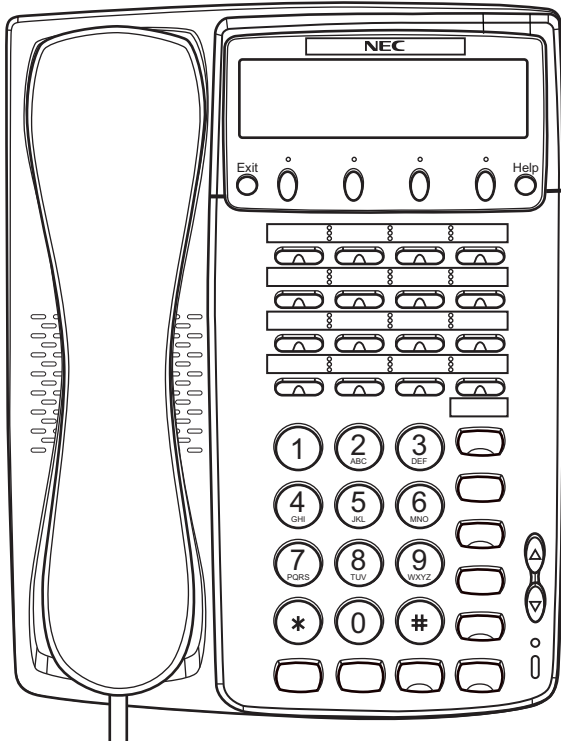


DTR-8D-1R

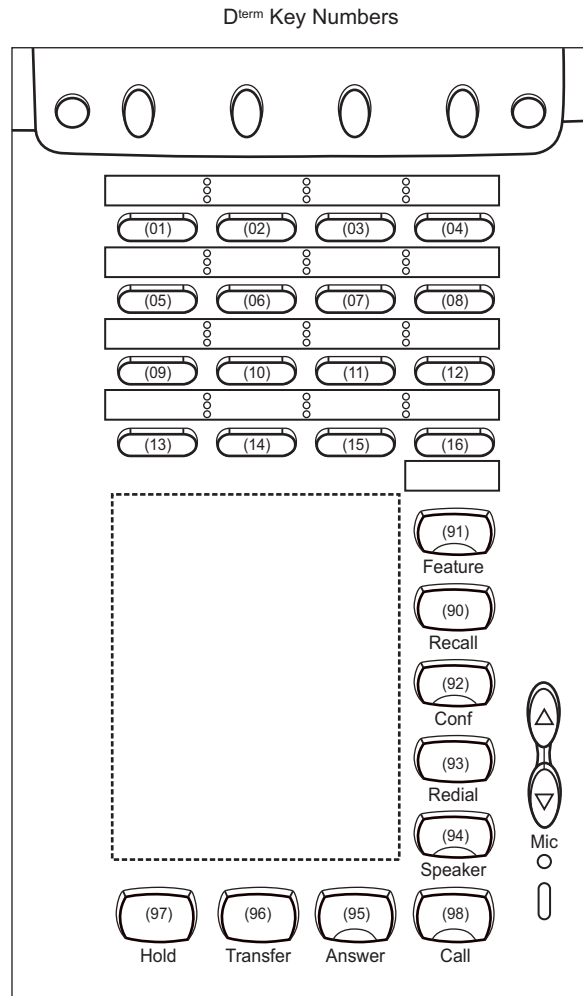


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D^{term} Series i/D^{term}IP Key Numbers

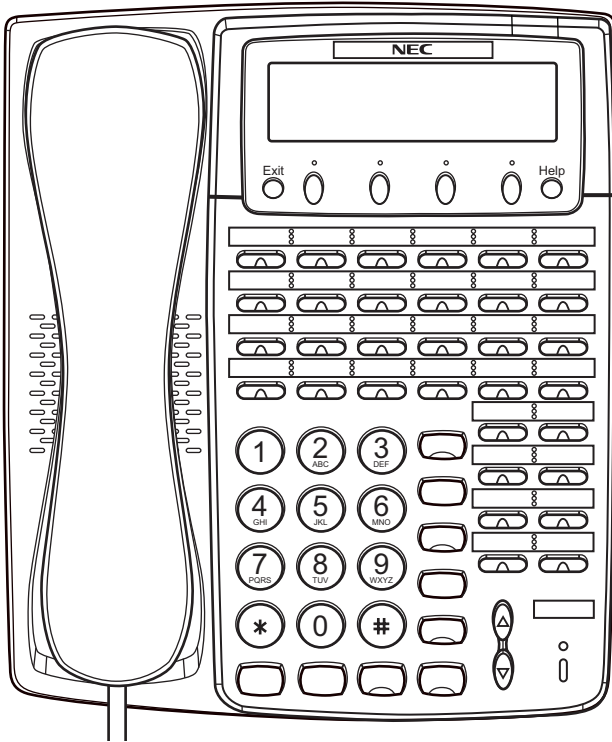


DTR-16D-1R

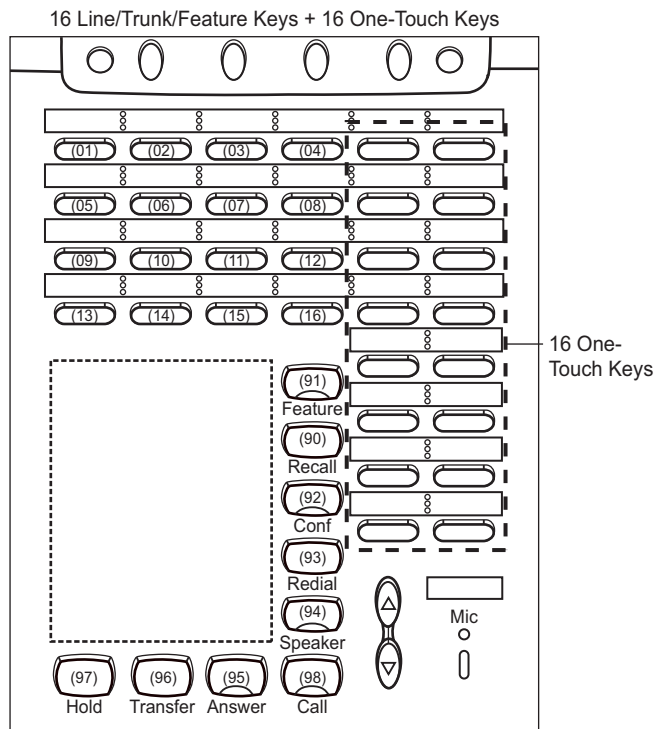
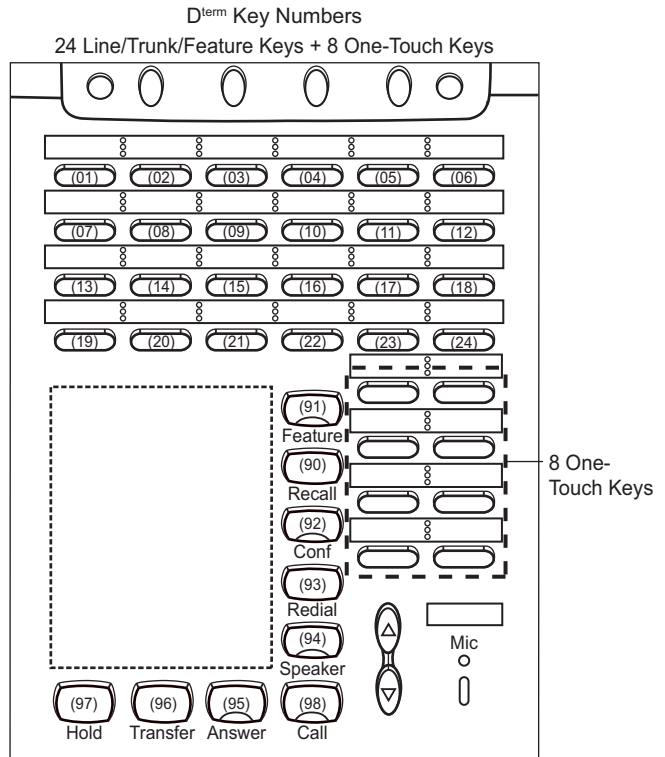


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D^{term} Series i/D^{term}IP Key Numbers

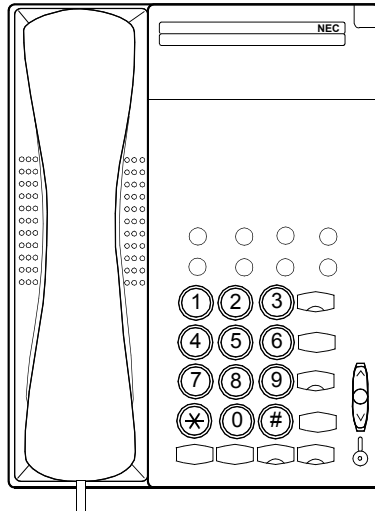


DTR-32D-1R



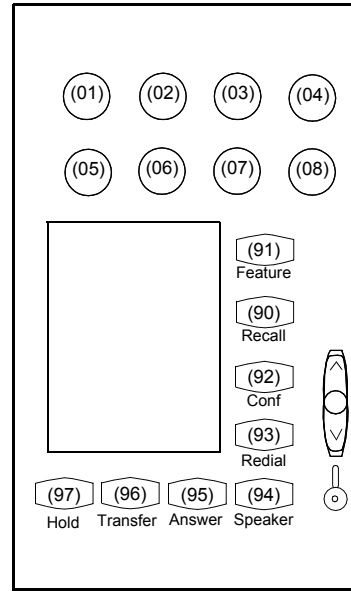
NOTE: The default setting of key layout is for 16 Line/Trunk/Feature keys (Key No. 01-16).
When using Key No. 17-24, assign CM12 Y=24, 2nd data to 0. After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the D^{term}.

D^{term}75 Key Numbers



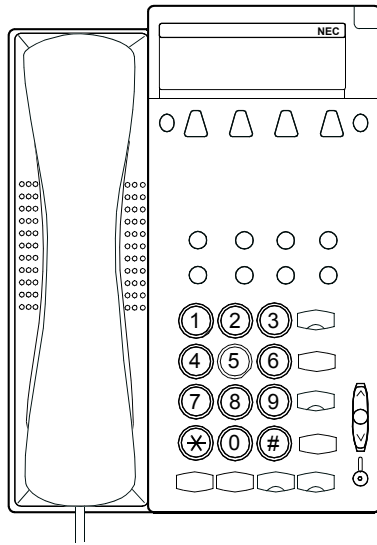
DTP-8-1

D^{term} Key Numbers



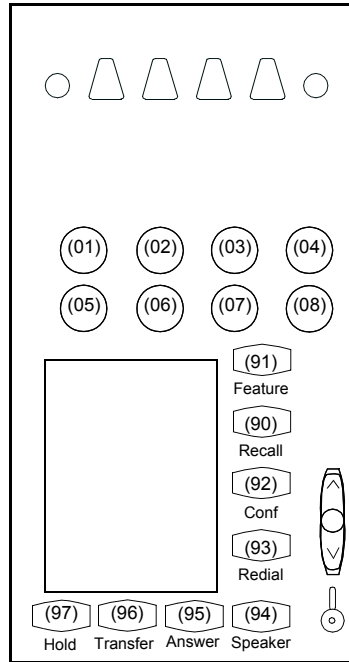
Continued on next page

D^{term}75 Key Numbers



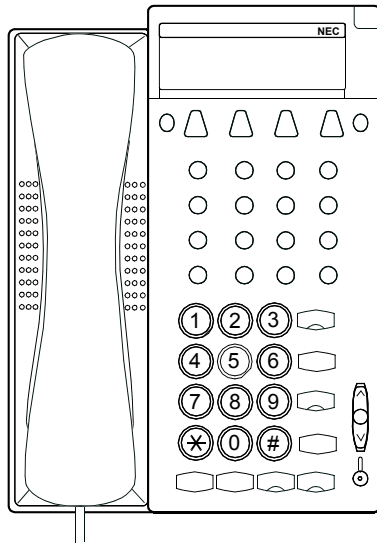
DTP-8D-1

D^{term} Key Numbers



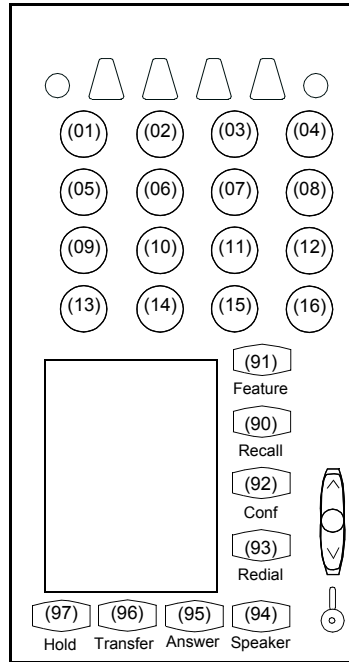
Continued on next page

D^{term}75 Key Numbers



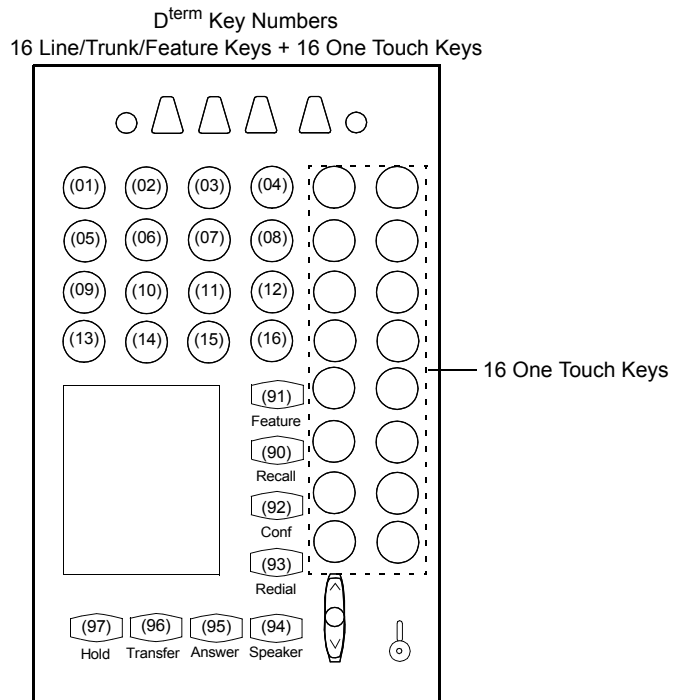
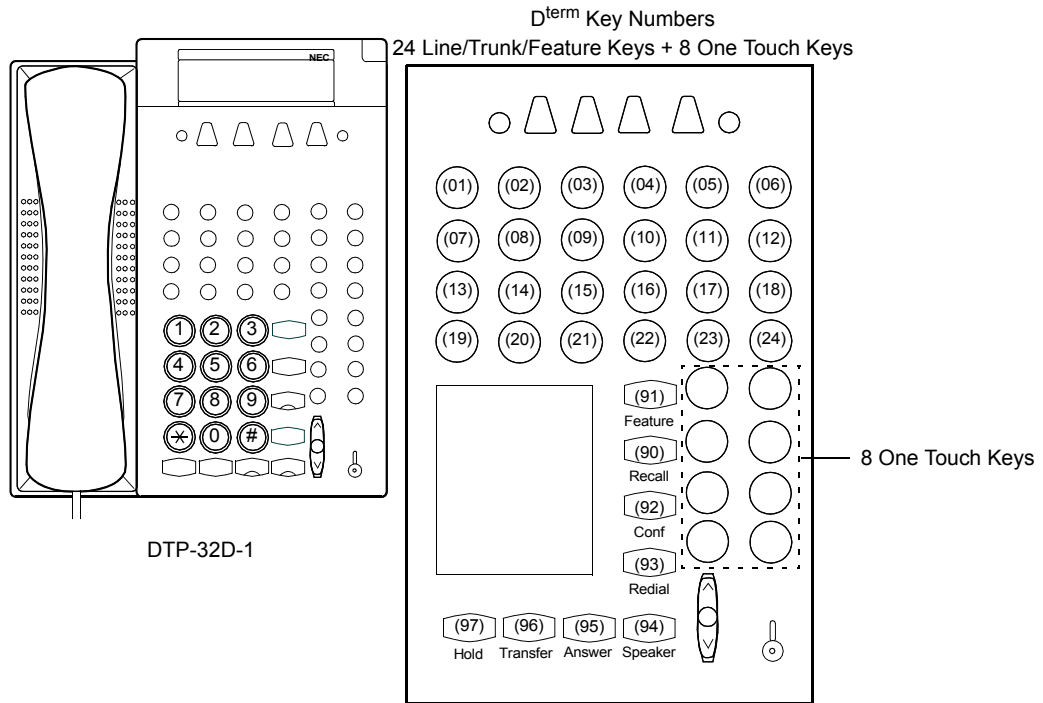
DTP-16D-1

D^{term} Key Numbers



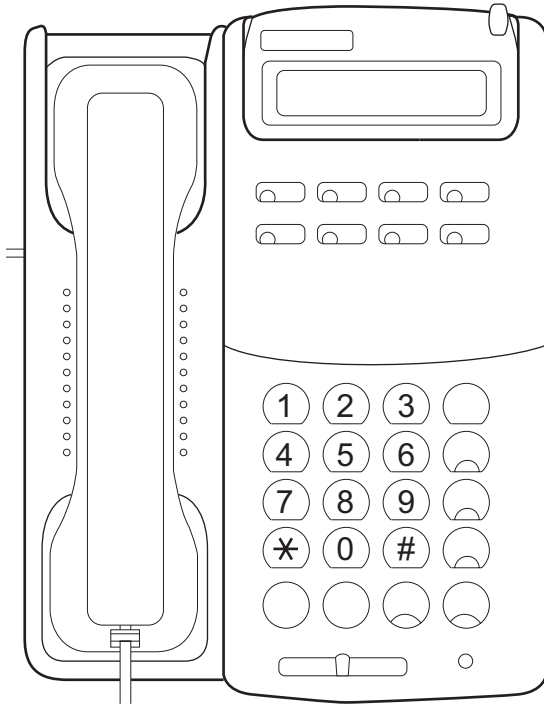
Continued on next page

D^{term}75 Key Numbers

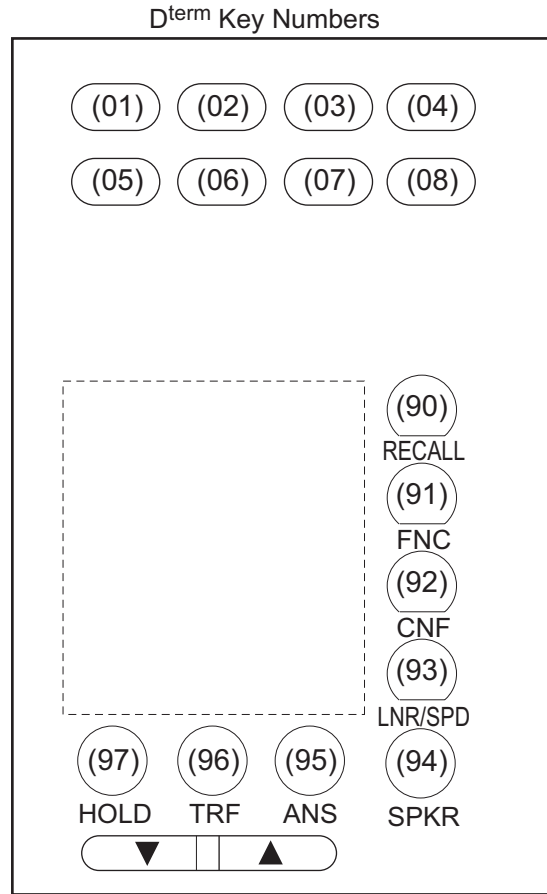


NOTE: *The default setting of key layout is for 16 Line/Trunk/Feature keys + 16 One Touch keys. When using key No. 17-24, set CM12 Y=24, 2nd data=0. After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the D^{term}.*

D^{term}65 Key Numbers

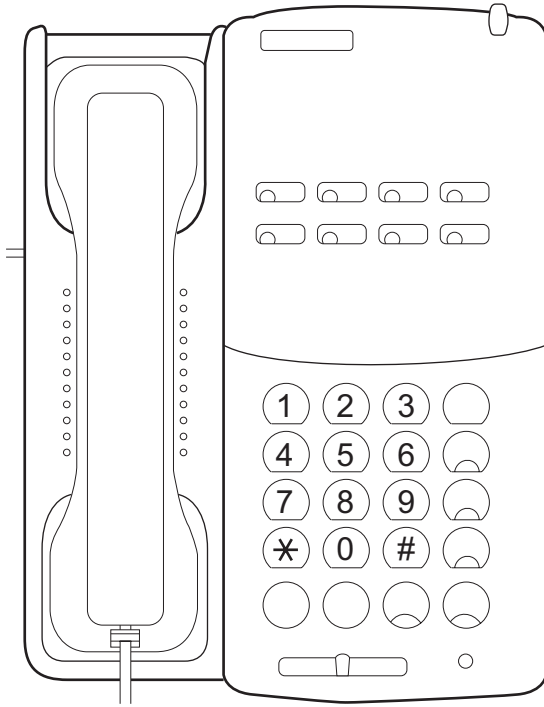


ETJ-8DC-1

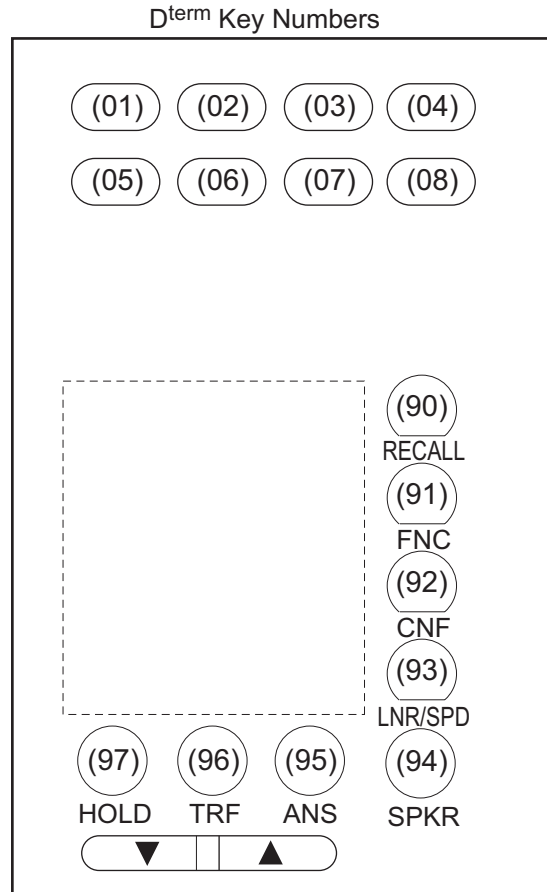


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D^{term}65 Key Numbers

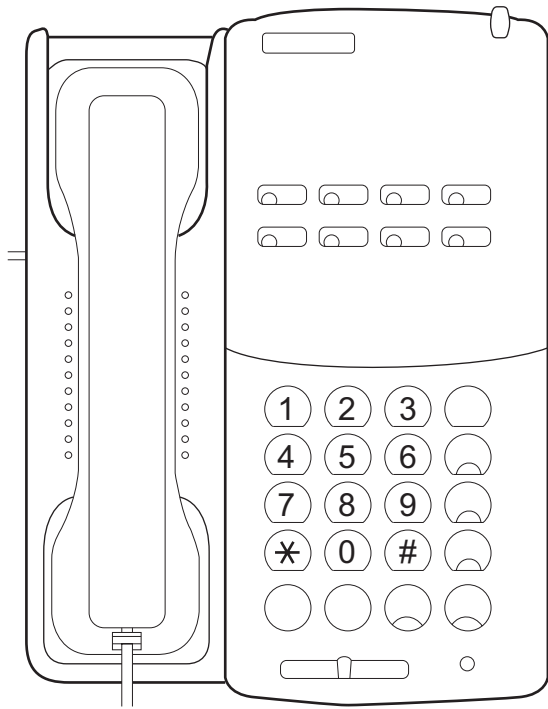


ETJ-8-1

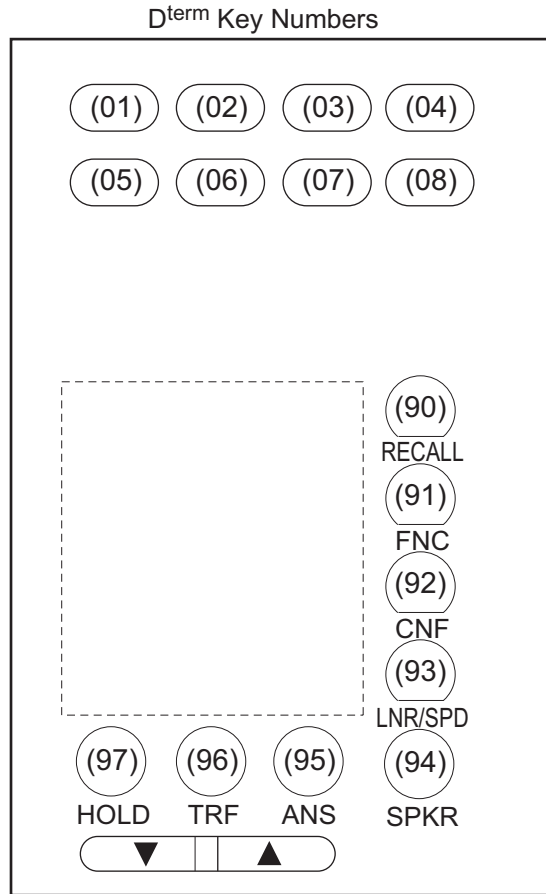


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D^{term}65 Key Numbers

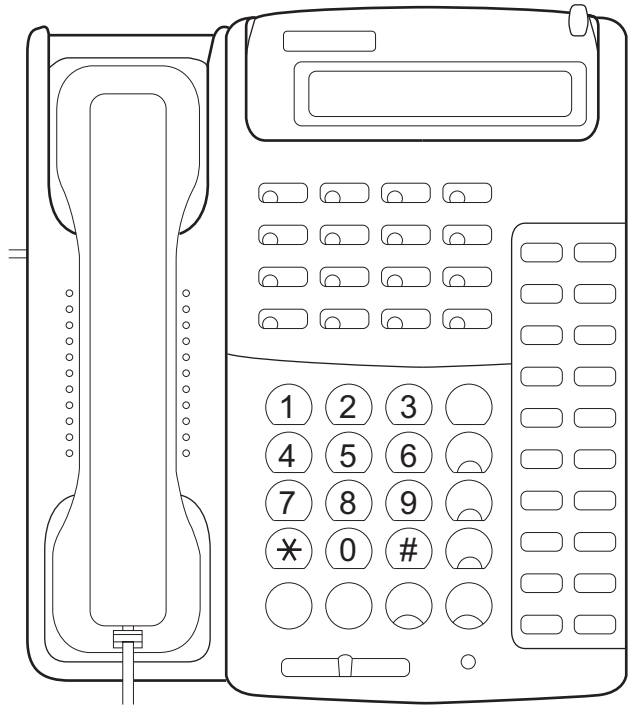


ETJ-8-1



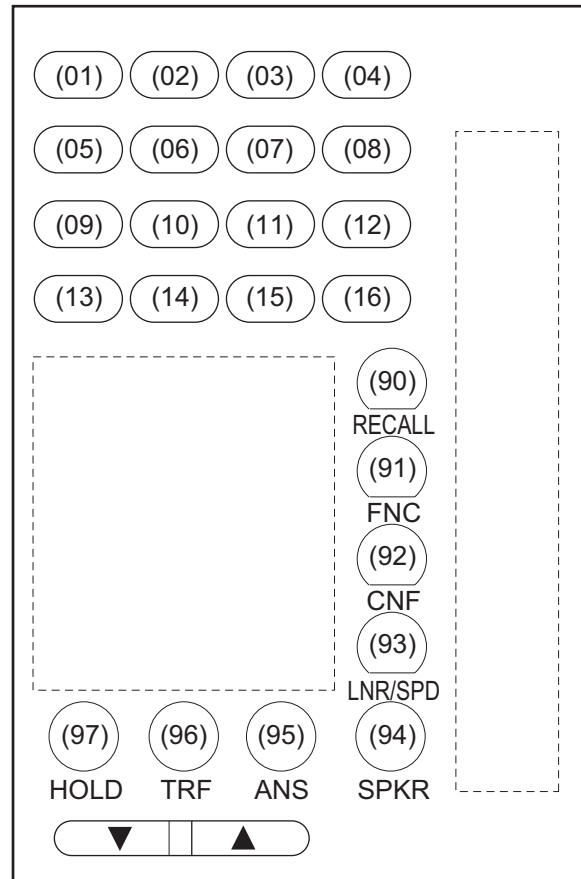
Continued on next page

D^{term}65 Key Numbers



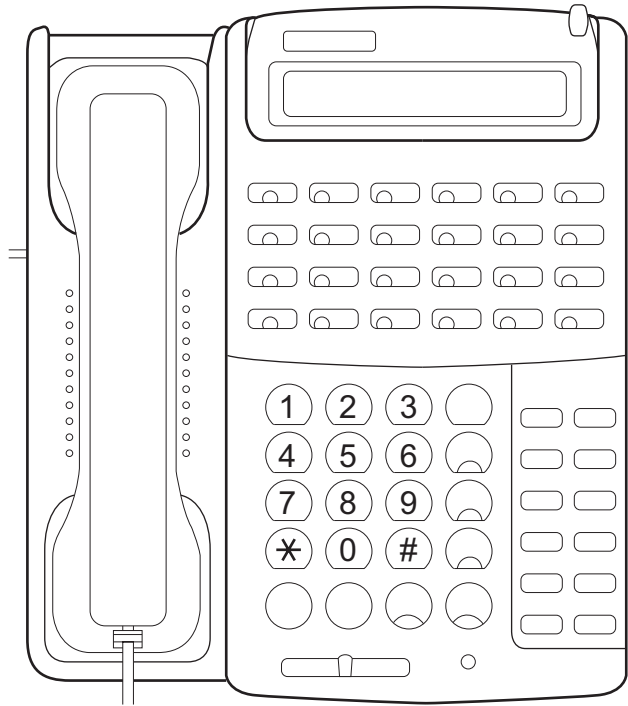
ETJ-16DD-1/ETJ-16DS-1

D^{term} Key Numbers

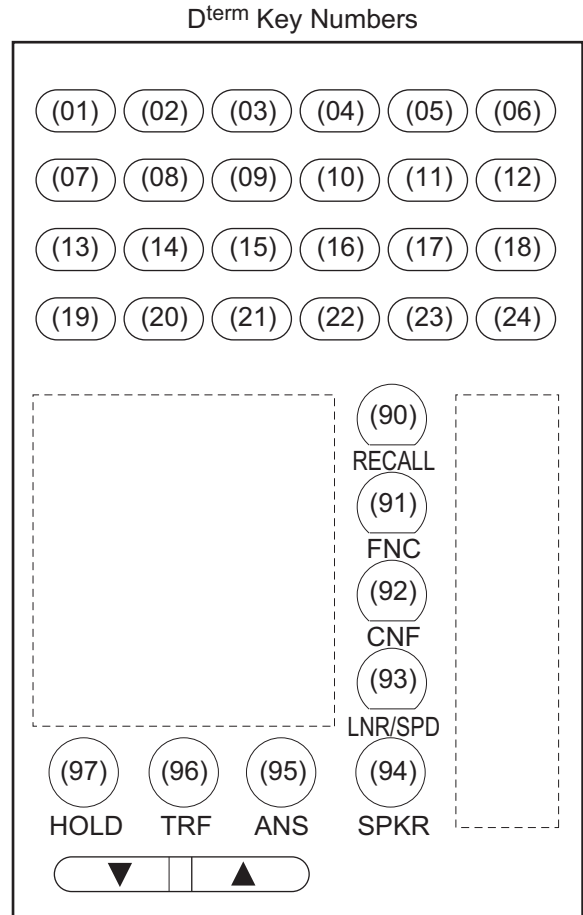


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D^{term}65 Key Numbers

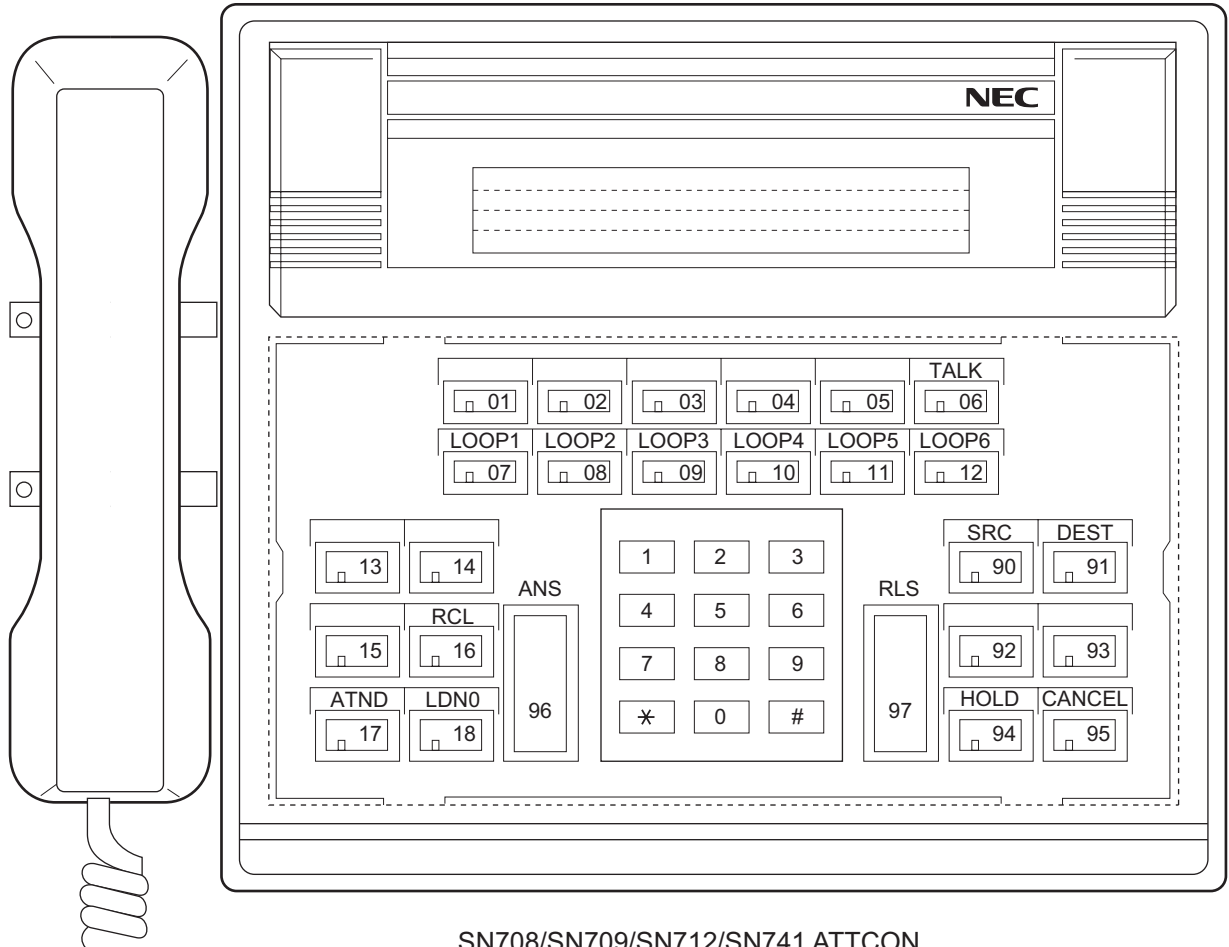


ETJ-24DS-1



NOTE: When using key No. 17-24, set CM12 Y=24, 2nd data=0. After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the D^{term}.

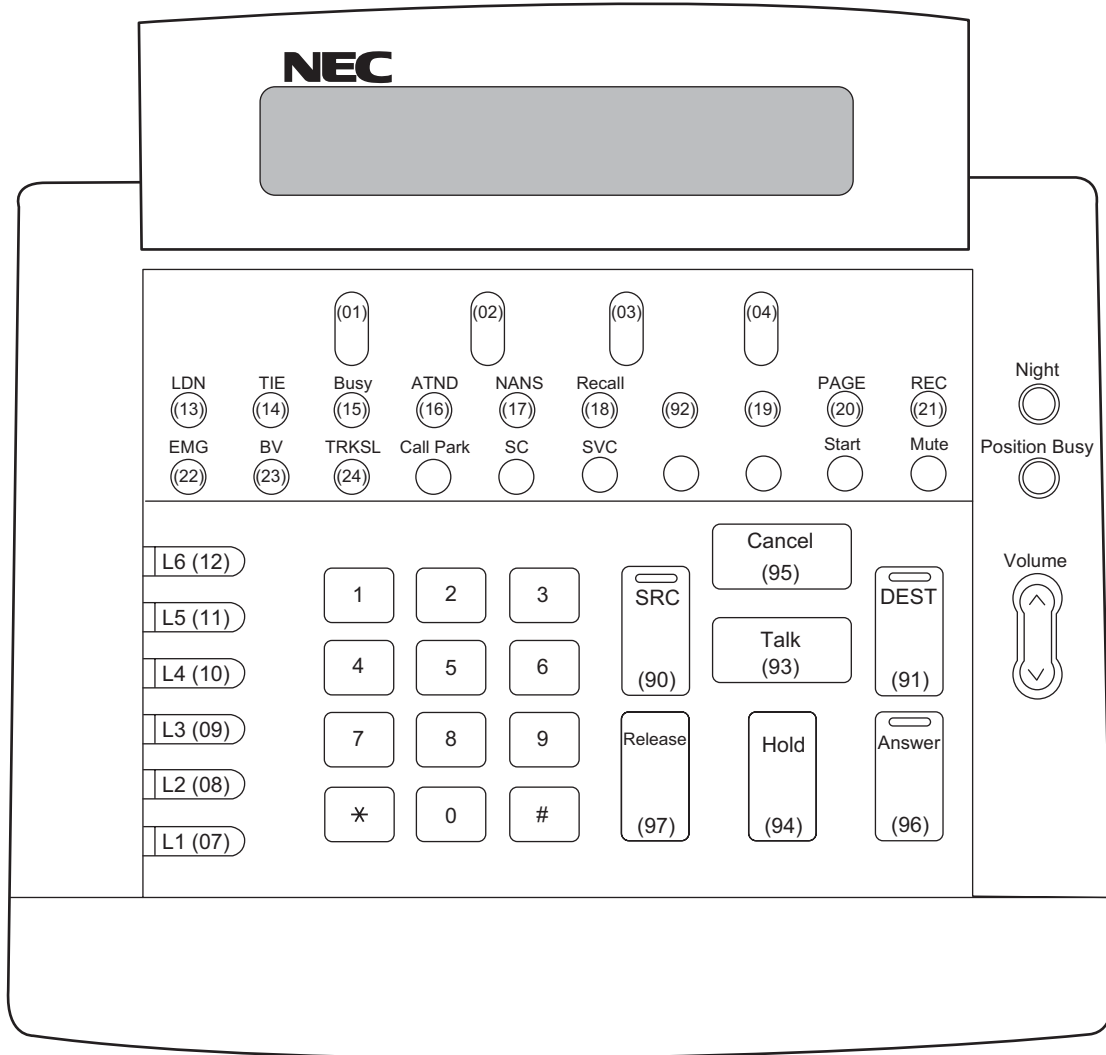
ATTCON Key Numbers



SN708/SN709/SN712/SN741 ATTCON

NOTE: *CM00, 01 (Memory Clear) or the Resident System Program, automatically assign the functions of the keys as shown above.*

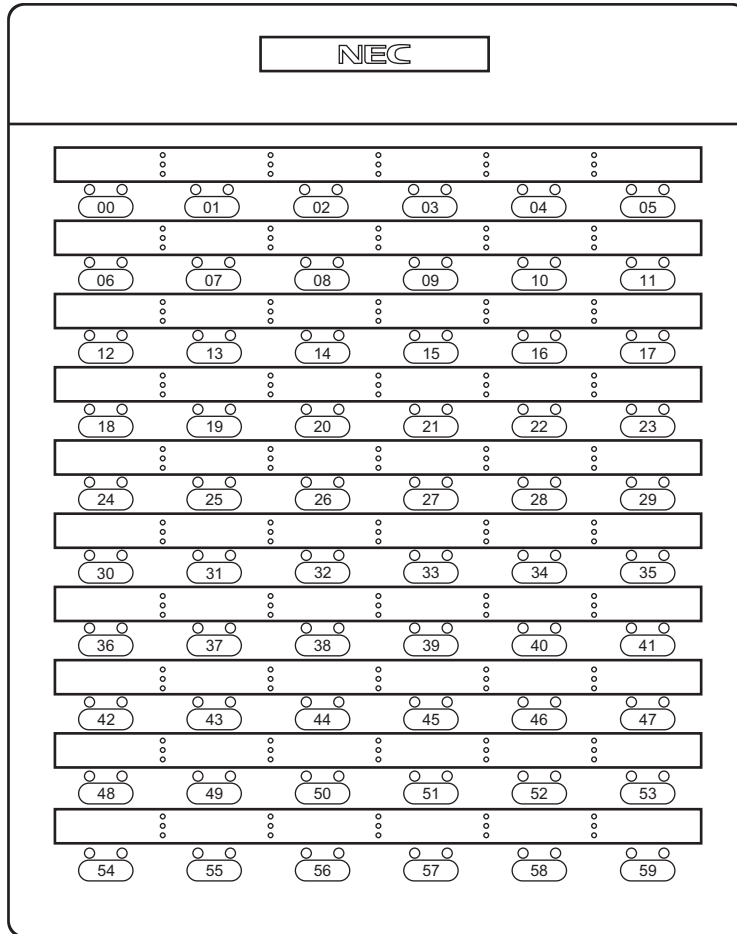
DESKCON Key Numbers



SN716 DESKCON

NOTE: *CM00, CM01 (Memory Clear) or the Resident System Program, automatically assign the functions of the keys for ATTCON. For SN716 DESKCON, reassign the key functions according to the key label.*

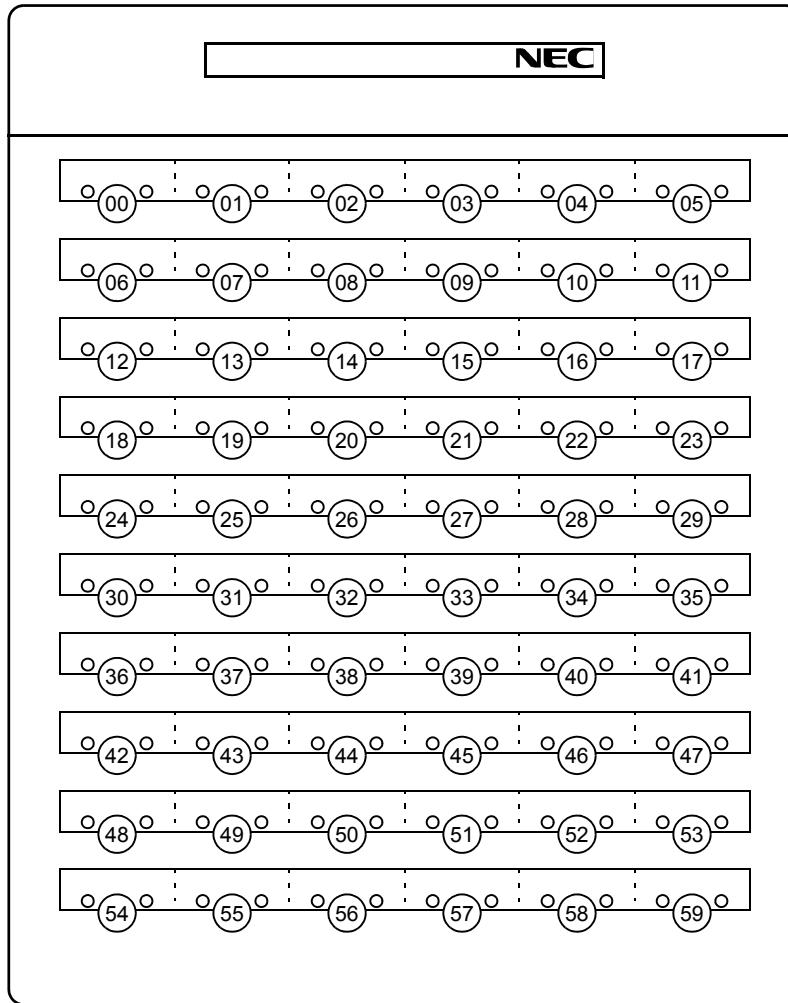
DSS Console Key Numbers



DCR-60-1R

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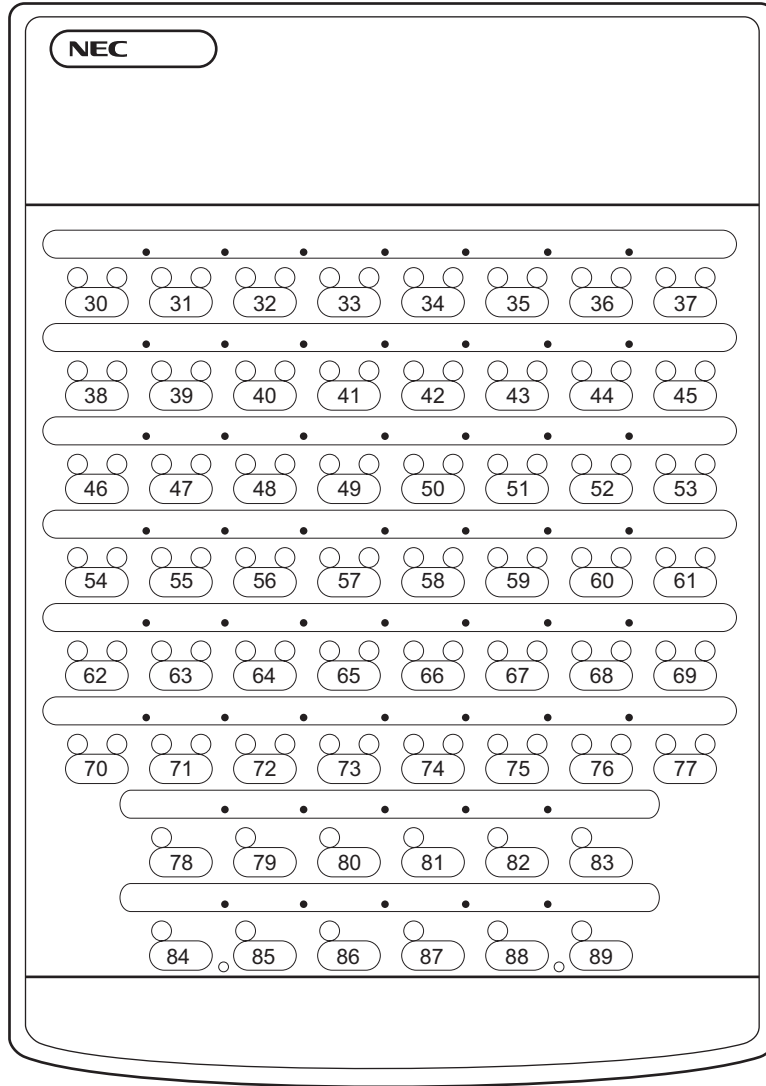
DSS Console Key Numbers



DCU-60-1

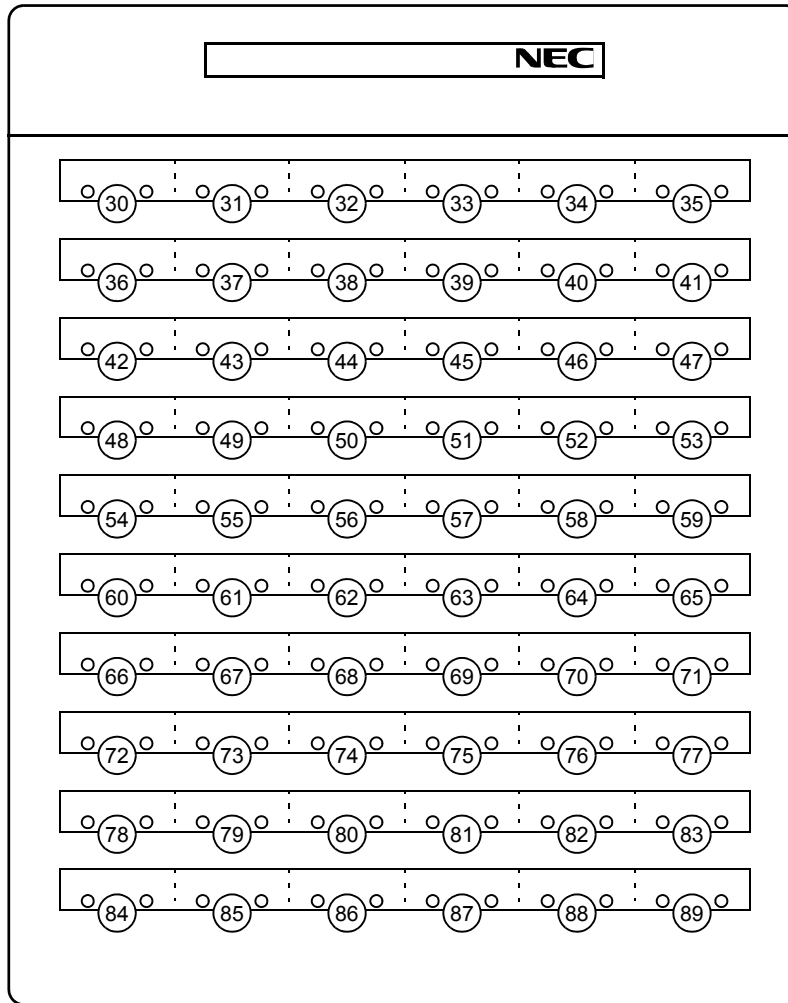
Continued on next page

DSS Console Key Numbers



EDW-48-2

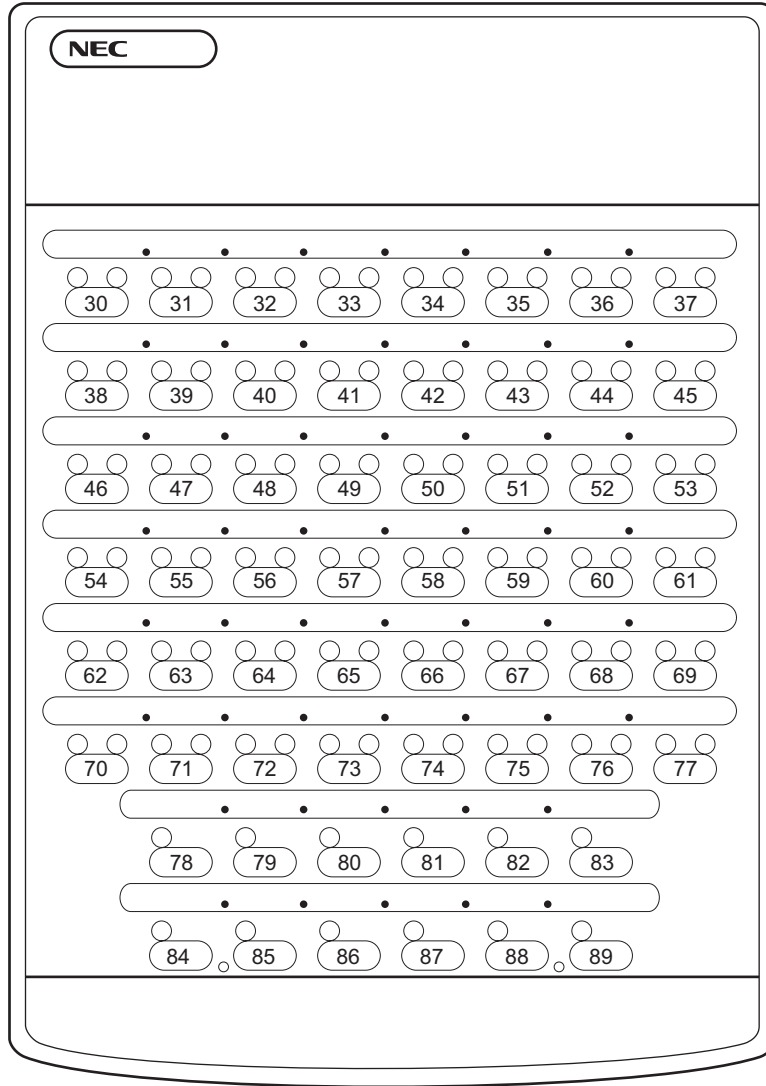
Add-On Module Key Numbers



DCU-60-1

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Add-On Module Key Numbers



EDW-48-2