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NEAX[®] 2000 IVS
Command Manual

DECEMBER, 1997

NEC America, Inc.

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CHAPTER 1 INTRODUCTION**1. PURPOSE**

This manual provides descriptions of the commands required for programming the NEAX2000 IVS (PBX) using the Customer Administration Terminal (CAT) or Maintenance Administration Terminal (MAT).

2. OUTLINE OF THE MANUAL

This manual consists of the introduction (Chapter 1) and the following chapters:

- **CHAPTER 2 (INFORMATION FOR DATA PROGRAMMING):**

This chapter provides the basics of Customer Administration Terminal (CAT) programming, a command reference table and precautions for using commands.

- **CHAPTER 3 (DESCRIPTION OF COMMANDS):**

This chapter provides a detailed description of each command.

- **CHAPTER 4 (RESIDENT SYSTEM PROGRAM):**

This chapter explains the detailed information on the default and Resident System Program data such as specification and programming data, etc.

This page is for your notes.

CHAPTER 2 INFORMATION FOR DATA PROGRAMMING

1. GENERAL

This chapter provides information on the Customer Administration Terminal (CAT) and Maintenance Administration Terminal (MAT) which are used as the man-machine interface with the PBX, and various tables used for indexing the commands by feature.

2. DESCRIPTION OF CAT AND MAT

In the PBX, the CAT or MAT is used for programming.

The CAT is a digital multi-function telephone (Multiline Terminal) which is equipped with function keys, a dial-pad and LCD (16 characters), and interfaces with the system via the MP card.

The MAT is the personal computer, which interfaces with the system via the MP card. For further details, refer to the MAT Operation Guide.

2.1 How to Use the CAT

2.1.1 CAT Key Functions

In the CAT mode, each key on the Multiline Terminal is automatically assigned, as shown in [Figure 2-1](#). The function of each key is shown in [Table 2-1](#) and [Table 2-2](#).

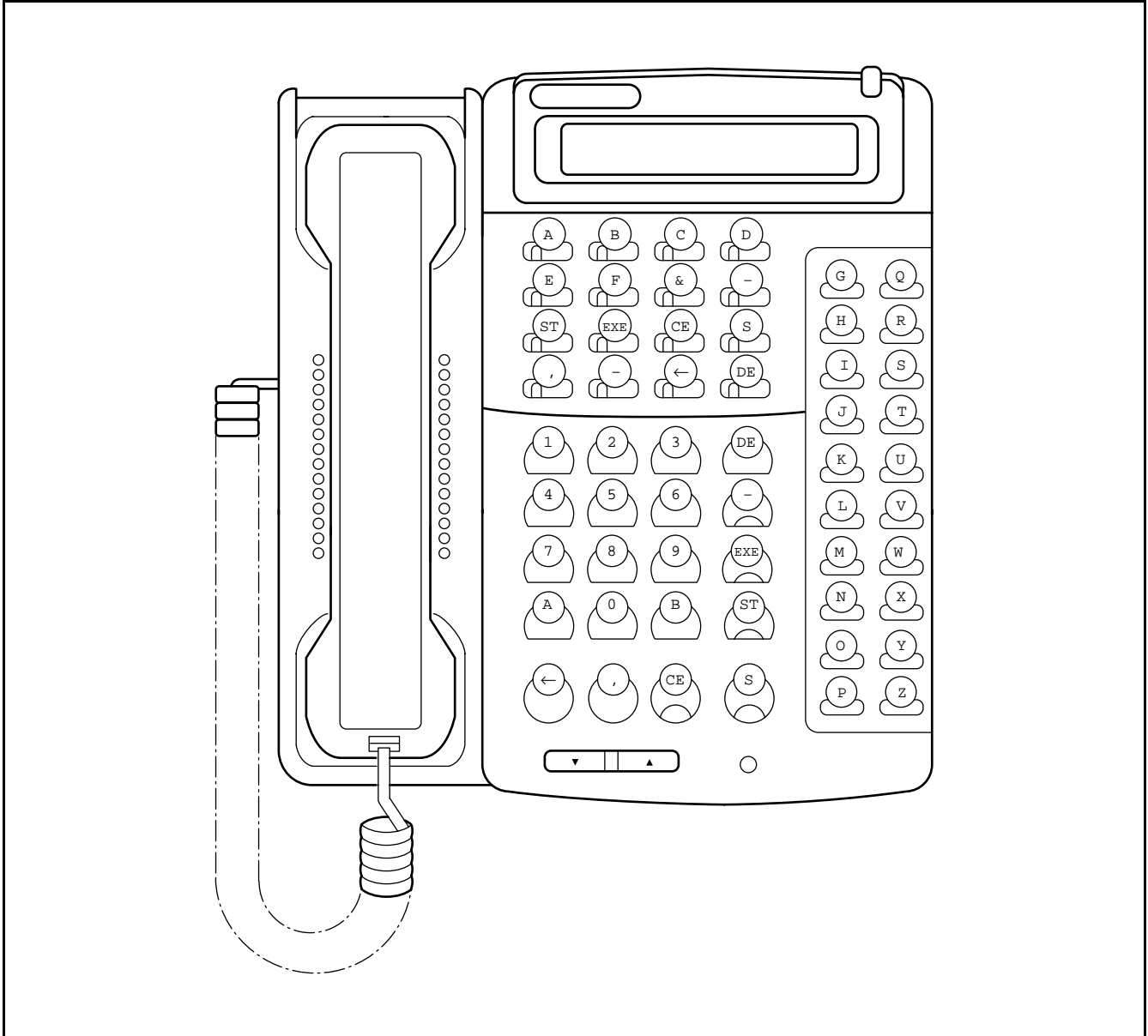


Figure 2-1 CAT Key Assignment for ETJ-16DD-1

Table 2-1 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 of CM72/74/90/97.
—	Display of previous data (Step backward)
←	Cancel of one character out of the entered data (Backspace)
DE	Data End; to be entered at the end of the command code or at the end of each data entry.

Table 2-2 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

INFORMATION FOR DATA PROGRAMMING

2.1.2 CAT Mode Setting Procedure

To set CAT mode:

1. Press **TRF**
2. Press **CNF**
 - CNF lamp flashes
3. Press *****
 - CNF lamp off
4. Press **TRF**
5. Press **CNF**
 - CNF lamp flashes
6. Press **#**
 - CNF, SPKR, ANS lamp on
 - “CAT MODE” displayed on LCD
7. Press **ST**
 - “COMMAND=–” displayed on LCD

Note: Steps 1 through 6 need to be completed within 4 seconds.

To clear CAT mode:

While “COMMAND =– is displayed on the LCD.

1. Lift handset (Off Hook)
 - SPKR lamp off.
2. Replace handset (On Hook)
 - CNF, ANS lamps off.
 - LCD returns to clock.

2.1.3 Notice on the CAT Mode

- (1) CAT mode is used in on-line mode. 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:
 - (a) Plug a PN-2DLCB/4DLCA card into the LT00 slot of PIM0.
 - (b) Connect the CAT (Multiline Terminal) to LEN0000 at the MDF.
 - (c) Set SW3 on the MP card to “B”.
 - (d) Depress SW1 on the MP card. (System Data All Clear)
 - (e) Set SW3 on the MP card to “0”, and depress SW1. (On-Line mode)
 - (f) Set the CAT mode on the Multiline Terminal.
- (3) During CAT mode, do not change or delete the following data:
 - CM10, My Line Number of the CAT.
- (4) There are no limitations on the number of Multiline Terminals in the system that can be programmed to allow CAT capability. However, the number of Multiline Terminals that can be placed into CAT mode, at the same time, is two.

2.2 CAT Operation

When setting the office data, it is necessary to enter the following three kinds of data:

- Command Code
- First Data
- Second Data

An explanation of the data entry procedure follows:

- (a) Operation for confirming the existing office data

+ Command Code + + First Data +

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.

- (b) Operation for assigning (changing) the office data

+ Command Code + + First Data + + Second Data + +

With EXE pressed, "OK" is displayed on the LCD.
To confirm the data assigned, depress DE after entering the first data.

- (c) Use of button and button

- If is pressed after setting the second data (after has been pressed), the next first data is displayed.
- If is pressed after setting the second data (after has been pressed), the last data is displayed.

INFORMATION FOR DATA PROGRAMMING

- (1) Example: When Station Number 300 is to be assigned to LEN 0000 and Station Number 301 to LEN 0001 by CM10 (Refer to [Table 2-3.](#))

Table 2-3 Assignment Operation

		(DISPLAY)
STEP 1	Turn ON power switch.	—
STEP 2	Press ST .	COMMAND = _
STEP 3	Enter “10” (Command Number).	COMMAND = 10 _
STEP 4	Press DE .	10> _
STEP 5	Enter “0000” (LEN).	10> 0000_
STEP 6	Press DE .	10> 0000: NONE-_ Note 1
STEP 7	Enter “300” (Station Number).	10> 0000: NONE-300
STEP 8	Press EXE .	OK _
STEP 9	Press DE .	10> 0000: 300-_ Note 2
STEP 10	Press S .	10> 0001: NONE__ Note 1
STEP 11	Enter “301” (Station Number).	10> 0001: NONE-301
STEP 12	Press EXE .	OK _
STEP 13	Press DE .	10> 001 : 301 _ Note 2
STEP 14	Turn OFF power switch.	

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. Thus it may be omitted.

(2) Example of Operating Steps for Correcting the Data Entry

- In Step 5 in Table 2-3, when **DE** is pressed after entering “0001” by mistake, press **CE**. Then the state returns to STEP 4.

STEP 1	CM10 has been entered and DE has been pressed.	10> _
STEP 2	“0001” has been entered instead of “0000” as intended.	10> 0001_
STEP 3	“0001” has been assigned as first data after pressing DE .	10> 0001: NONE-__
STEP 4	If CE is pressed, the state returns to that of Step 1.	10> _
STEP 5	Enter “0000”.	10> 0000_
STEP 6	Press DE , and assign the correct first data.	10> 0000: NONE__

- If, in Step 11 in Table 2-3, when “302” has been entered instead of “301”, press **←**. Then the cursor moves to the position of “2”.

STEP 1	In Step 11, enter “302” instead of “301” as intended.	10> 0001: NONE-302
STEP 2	Press ← .	10> 0001: NONE-30__
STEP 3	Press digit Key “1”.	10> 0001: NONE-301__

0000 is to be deleted after completing all the operations in Table 2-3.

(3) Example of Deleting Station Number “300” assigned to LEN000

STEP 1	Press ST .	COMMAND = _
STEP 2	Enter “10” (Command Number).	COMMAND = 10 _
STEP 3	Press DE .	10> _
STEP 4	Enter LEN “0000”.	10> 0000
STEP 5	Press DE .	10> 0000: 300-
STEP 6	Enter “CCC”.	10> 0000: 300-CCC
STEP 7	Press EXE .	OK
STEP 8	Press DE .	10> 0000: NONE

INFORMATION FOR DATA PROGRAMMING

2.3 Error Messages

When an erroneous operation is performed, or wrong data is entered, an error message is displayed on the LCD. Error messages and their meanings are shown in [Table 2-4](#).

Table 2-4 Error Messages

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
DIGIT ERROR	Error in the number of digits entered.	Press "ST" or "CE" and enter correct data.
DATA ERROR	The value of the entered data is incorrect.	Same as above.
CODE NOT USED	The command code entered is not in use, or password is needed.	Same as above, or follow the procedure for entering a password.
DATA NOT FOUND	A Station Number not assigned has been entered.	Same as above.
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 already been used for another service access code.	Press "ST" or "CE" and enter correct data.
HARDWARE ERROR	Memory read/write disabled.	Check switch setting of MP card or replace MP card with spare.
WRONG	<ul style="list-style-type: none"> 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 already been used for another service code. 	Clear present data by entering "CCC", or enter correct data.
SEE CMxx YYYY	Double assigned error of the same Station Number or trunk.	Station Number intended is already assigned to First Data of CMxx Confirm.
USE CMxxxx	The data is already assigned by another command.	Command Number and YY Number already assigned are displayed. Confirm.
TRK NOT ASSIGNED	The designated trunk is not assigned.	Assign the trunk by CM10.
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".

3. COMMAND REFERENCE TABLE

3.1 List of Commands

Table 2-5 provides a list of commands.

Table 2-5 List of Commands

COMMAND		REMARKS
CODE	FUNCTION	
00	System Data Memory All Clear	
01	System Data Memory Partial Clear	
02	Setting of System Clock	
03	Log in/Log out of Password Mode	
04	Language Indicated on Multiline Terminal LCD	
05	Card Assignment	
06	MISC Trunk Number Assignment	
07	DTI Trunk/ISDN Trunk Assignment	
08	Basic Service Features	
09	Additional Service Features	
10	Station Number, Trunk Number, and Card Number	
11	Virtual-Line Number	
12	Station Class-1	
13	Station Class-2	
15	Service Restriction Class	
16	Call Pickup Group/Group Diversion Group	
17	UCD Group	
18	Station Hunting Group	
19	Secretary/Group Diversion Station Number	
1A	Data Station Number	
1B	ISDN Terminal Multipoints Station Number Assignment	
1C	PS Station Number Assignment	
1D	PS-ID Assignment/PS Operation Data Download	
20	Numbering Plan	
21	Single Digit Access Code	
22	Route Advance	
23	Tenant Development	
24	Kind of Calling Terminal Development	
25	Kind of Special Terminal Development	
26	Closed Number Development	
29	Numbering Plan Tenant Group	
2A	ID Code Assignment with MP	
30	Trunk Data	
31	System Attribute Data	
35	Trunk Route Data	
36	Restriction Data for Tandem Connection	
38	AMP Trunk	

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Table 2-5 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
40	Function of RS-232C Interface Circuit	MP
41	System Timer Data	
42	System Counter Data/PAD Data/Trunk Restriction Class Conversion	
44	External Equipment Starting Condition	
45	Purpose of PBR/CFT	
48	Determination of Tone/Tone Source	
49	Digital Announcement Trunk	PN-2DATA
50	Common Route Indial	
51	Automatic Transfer Destinations	
52	Hot Line	
53	Trunk Answer from Any Station Restriction	
56	Internal Zone Paging Group/Intercom Group	
58	LDN Diversion	
59	TAS/ACD/UCD Relay Interruption Pattern	For PN-DK00
5A	Virtual Line - Virtual Path Setting	
60	ATTCON Tenant Group, Functions	For ATTCON
61	External Key Function	For PN-DK00
62	Tenants for Each ATTCON Group	For ATTCON
63	Restriction of Inter-Tenant Connection	
64	Automated Attendant	
65	Service Features on Tenant Basis	
71	Memory Allocation for System Speed Dialing	
72	Stored Number for System Speed Dialing	
73	Memory Allocation for Station Speed Dialing	
74	Stored Number for Station Speed Dialing	
76	Digit Conversion on DID Call	
77	Station/Trunk Name Assignment	
78	Destination of Split Call Forwarding	
81	Toll Restriction Pattern on Each Trunk Restriction Class	
85	Maximum Digits on C.O. Calls	
88	Automatic Pause Entry Table	
8A	LCR/Toll Restriction Development Table	

Table 2-5 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
90 93 94 96 97 98 9A	Multiline Terminal/SN610 ATTCOM/Add-On Module Key Assignment Prime Line Multiline Terminal One-Touch Memory DSS Console Number DSS Console Key Assignment Add-On Module Number Multiline Terminal Soft Key Assignment	
A0 A1 A5 A6 A7 A8 A9 AA AC AD AE AF	Type of Data Adapter Data Terminal Attribute Data Nailed Down Connection Attribute Data for RS-232C Port on AP01 CCIS Channel Data CCIS Routing Label Assignment ISDN D-Channel Assignment DTI/DCH/CIR Card Functions ISDN Functions ZT Calling Area/PAD Data Assignment ZT Operation Data Assignment Visitor PS Data Assignment	For PN-AP01
B0 B1 B3	PEG Count Traffic Measurement UCD PEG Count	Used for maintenance
D5 D6 D7 D9 DB DC	ID Code Assignment with AP ID Code All Clear with AP OAI Control Data Centralized Billing Data Port Assignment Calling Number Development Data Calling Number Development Table	For PN-AP01
E0 E5 E6 E7 E8 E9 EA EC EE	Initialization Station Trunk Make Busy Call Forwarding Set/Reset from MAT/CAT Password Level Manual Path Connection Password Code Fault Information Store/Display Functions Battery Release/Line Status Indication Virtual Tie Line Set/Release	Used for maintenance
F0 F1 F2 F3 F5 F8	MP Memory Dump MP Memory Read/Write FP Memory Dump FP Memory Read/Write Line/Trunk Memory/Alarm Memory Read ID Code for Key FD	Used for maintenance

3.2 Quick Reference Table of Commands Required for Service Feature

This section provides a quick reference table of various commands related to each service feature. The features are listed alphabetically in the left column. Associated features (shown with bullets) are listed below the main features.

Note: *Table 2-1 provides a list of commands for each business service feature. Table 2-2 provides a list of commands for each hotel/motel service feature. F and S represent First Data (F) and Second Data (S), respectively. For more details about the data, refer to the Command Description for the associated command.*

Table 2-6 List of Commands for Each Business Feature

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Account Code	08	–	362/S	
	12	02	F/S	
	15	30	F/1	
	20	0 – 3	F/085	
	42	–	10/S	
	90	00	F/F0085	
Add-On Module	10	–	F/S	
	12	05	F/0	
	30	18	F/0	
	41	1	09/S	
	90	00 – 03	F/S	
	98	0	F/S	
Alarm Indications	–	–	–	
Alphanumeric Display	08	–	255/1	
	20	0 – 3	F/A10	
	35	03	F/S	
	77	0 – 3	F/S	
Analog Port Adapter	10	–	F/S	
	13	09, 32 – 35	F/S	
	90	00	F/S	
	93	–	F/S	

F : First Data
 S : Second Data
 — : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Announcement Service	08	–	124/S	
	10	–	F/S	
	12	02	F/S	
	15	34 – 39	F/1	
	20	0 – 3	F/A00 – A09	
	30	03, 05	F/S	
	35	69 – 73	F/1	
	41	0	45, 53/S	
	48	0	F/0500	
	49	00, 05 – 07	F/S	
Answer Key	65	50, 51	F/0	
	12	02	F/S	
Attendant-Assisted Calling	15	72	F/0	
	08	–	018, 048, 142, 143/S	
	20	0 - 3	F/800	
	60	00, 01	F/S	
Attendant Camp-On	62	0 - 3	F/0	
	08	–	068, 441/S	
	20	0 - 3	F/021	
Attendant Console (SN610 ATTCON)	41	0	00/S	
	10	–	F/S	
	30	02, 03	F/14	
	60	00, 01, 07, 17	F/S	
	62	0 - 3	F/S	
	90	00	F/S	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Attendant Console (SN716 DESK CON)	10	–	F/S	
	30	02, 03	F/14	
	60	00, 01, 15	F/S	
	62	0 - 3	F/S	
	90	00	F/S	
• Attendant Calling/Called Name Display	08	–	255/1	
	20	0 - 3	F/A10	
	35	03	F/S	
	77	0 - 3	F/S	
• Attendant Called/Calling Number	–	–	–	
• Attendant Call Selection	35	15	F/S	
	90	00	F/S	
• Attendant Console Lockout Password	08	–	353/S	
	20	0 - 3	F/A55	
	60	30	0/S	
	90	00	F/F6110	
• Attendant Do Not Disturb Setup and Cancel	13	00	F/0	
	90	00	F/S	
• Attendant Interposition Calling/ Transfer	08	–	143/S	
	20	0 - 3	F/095	
	90	00	F/F6067	
• Attendant Lamp Check	–	–	–	
• Attendant Listed Directory Number	08	–	204, 205/0	
	35	15	F/S	
	50	01, 02	F/S	
	58	00 - 09	F/S	
	90	00	F/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Attendant Loop Release	08	–	014/0	
	20	0 - 3	F/021	
• Attendant Programming	08	–	229/S	
	20	0 - 3	F/A56	
	60	30	1/S	
	90	00	F/611	
• Attendant Training Jack	–	–	–	
• Audible Indication Control	–	–	–	
• Call Processing Indication	–	–	–	
• Call Queuing	42	–	00/S	
• Call Splitting	90	00	F/S	
• Call Waiting Display	42	–	00/S	
• Common Route Indial	08	–	204, 205/0	
	50	01	F/S	
	58	00 – 09	F/S	
	90	00	F/S	
• Dialed Number Identification Service	08	–	204, 205/0	
	35	15	F/S	
	50	01, 02	F/S	
	58	02, 03, 08, 09, 10	F/S	
	90	00	F/S	
• Incoming Call Identification	–	–	–	
• Individual Trunk Access	20	0 – 3	F/081	
	30	19	F/S	
• Multiple Console Operation				Refer to SN610 ATTCON.

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Monitor	08	259	0	
	15	103	–	
	15	104	–	
	20	0 – 3	–	
	90	00	F0033	
• Multi-Function Key	60	17	F/1	
	90	00	F/F6XXX	
• Pushbutton Calling - Attendant Only	35	01	F/7	
• Serial Call	90	00	F/S	
• Timer Display	–	–	–	
• Trunk Group Busy Display	30	09	F/S	
	44	–	F/S	
	90	00	F/S	
• Unsupervised Trunk to Trunk Transfer by Attendant	08	–	206/1	
Attendant Delay Announcement	08	–	165/S	
	10	–	F/S	
	20	0 – 3	F/A00-A02	
	35	74	F/S	
	41	0	16, 47/S	
	49	00, 0A	F/S	
Attendant Lockout	08	–	353/S	
Attendant Overflow	08	–	067/0	
	30	02, 03, 05	F/S	
	41	0	01/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Attendant Override	08	—	012, 045, 076/S	
	12	02	F/S	
	15	09	F/1	
	20	0 – 3	F/081	
	30	19	F/S	
	90	00	F/F6107	
Authorization Code	05	—	F/07	
	08	—	216, 362/S	
	12	02	F/S	
	15	31	F/S	
	20	0 – 3	F/086	
	42	—	11/S	
	D5	0, 1, 3	F/S	
	2A	0 – 4	F/S	
Automated Attendant	08	—	180, 359, 363/S	
	10	—	F/S	
	20	0 – 3	F/A00 – A02	
	30	02, 03, 30–33, 37	F/S	
	41	0	34, 39, 43, 59/S	
	45	2	F/0	
	48	2	06/S	
	49	00 – 02	F/S	
	63	2	F/S	
	64	0, 2	F/S	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Automatic Call Distribution (ACD)	08	–	212, 214, 215, 227, 259, 265, 357, 442/S	
	10		F/S	
	12	02	F/S	
	15	33, 103, 104	F/1	
	17	0 – 2, 4 – 7, A, B	F/S	
	20	0 – 3	F/033, 044, 0045, A00 – A02	
	35	12, 18, 60, 78	F/S	
	41	0	16, 47/S	
	42	–	15, 16/S	
	44	–	F/S	
	49	00	F/S	
	51	17	F/S	
	59	–	00/S	
	76	0, 1, 6	F/S	
	90	0	F/F0033, F0044, F0120, F1280 – 1295	
97	–	F/F1055		
Automatic Call Distribution (ACD) with Management Information System (MIS)	08	–	068/S	Refer to ACD-MIS System Manual
	30	13, 14	F/06	
Automatic Camp – On	08	–	068/S	
	30	13, 14	F/06	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Automatic Number Identification	05	–	F08	
	06	04	F/S	
	08	–	462, 463, 472/S	
	09	–	52/0	
	20	Y	F/A26-A29	
	30	00, 02, 03	F/S	
	31	1, 2, 3, A, B	F/S	
	35	00, 04, 05, 09, 10, 17, 19, 20, 37, 48	F/S	
8A	4XX	F/800		
Automatic Recall	41	0	00, 05 – 07, 11, 26/S	
Background Music (BGM)	10	–	F/S	
	12	02	F/S	
	15	32	F/1	
	20	0 – 3	F/039	
	30	00	F/S	
	35	00	F/05	
	48	4	F/S	
Boss/Secretary Calling	08	–	294/S	
	12	02, 05	F/S	
	13	03, 08, 12	F/S	
	15	43, 44	F/S	
	20	0 – 3	F/040, 041	
	51	15	F/S	
	90	00	F/S	
Broker's Call				Refer to Call Hold

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Call Back	08	–	156/0	
	12	02	F/S	
	15	03, 46	F/1	
	20	0 - 3	F/002 – 005	
	90	00	F/F0004	
Caller ID Class	05	–	F/08	
	06	04	F/S	
	08	–	462, 463, 472/S	
	09	–	52/0	
	30	02, 03	F/S	
	31	1, 2	F/S	
	35	00, 37, 44, 48, 129	F/S	
	90	00	F/F1099, F6122	
	AA	07	F/S	
	DB	00, 01, 02, 04, 05, 06, 07, 12, 30, 90 - 92	F/S	
DC	00 - 63	F/S		
Caller ID Display	90	00	F/F5010	
Call Forwarding	E6	00 - 05	F/S	Set/Reset from MAT/CAT
• Attendant Call Forwarding Setup and Cancel	–	–	–	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Call Forwarding - All Calls	08	–	222, 386, 387/S	
	09	–	33/S	
	12	02	F/S	
	15	00, 26	F/1	
	20	0 - 3	F/010, 011	
	35	05	F/1	
	36	–	F/0	
	48	2	13/S	
	65	23 - 25	F/1	
	90	00	F/F0010	
• Call Forwarding - Busy Line	E6	00	F/S	
	08	–	222, 240, 386, 387/S	
	12	02	F/S	
	15	11, 12, 28, 29	F/1	
	20	0 – 3	F/012, 013, 014, 015	
	35	05	F/1	
	36	–	F/0	
	65	23 – 25	F/1	
90	00	F/F0012, F0014		

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Call Forwarding - No Answer	08	–	222, 386, 387/S	
	12	02	F/S	
	15	10, 12, 27, 29	F/1	
	20	0 – 3	F/012, 013, 016, 017	
	35	05	F/1	
	36	–	F/0	
	41	0	01, 15/S	
	65	23 – 25	F/1	
• Call Forwarding - Destination	90	00	F/F0012, F0016	
	12	02	F/S	
	15	15	F/1	
	20	0 – 3	F/018, 019	
• Multiple Call Forwarding - Busy Line	90	00	F/F0018, F0019	
	42	–	14/S	
• Multiple Call Forwarding - No Answer	42	–	14/S	
• Multiple Call Forwarding - No Answer	41	0	46/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Split Call Forwarding - All Calls	08	–	222, 386, 387/S	
	12	02	F/S	
	15	00, 26	F/1	
	20	0 – 3	F/010, 011, A80, A81	
	35	05	F/1	
	36	–	F/0	
	48	2	13/S	
	65	23 – 25	F/S	
	78	–	F/S	
	90	00	F/F0010, F0A80	
• Split Call Forwarding - Busy Line	08	–	222, 240, 386, 387/S	
	12	02	F/S	
	15	11, 12, 28, 29	F/1	
	20	0 – 3	F/012 - 015, A82, A83	
	35	05	F/1	
	36	–	F/0	
	65	23 – 25	F/S	
	78	–	F/S	
	90	00	F/F0012, F0014, F0A82	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
<ul style="list-style-type: none"> Split Call Forwarding - No Answer 	08	–	222, 386, 387/S	
	12	02	F/S	
	15	10, 12, 27, 29	F/1	
	20	0 – 3	F/012, 013, 016, 017, A82, A83	
	35	05	F/1	
	36	–	F/0	
	41	0	01, 15/S	
	65	23 – 25	F/S	
	78	–	F/S	
90	00	F/F0012, F0016, F0A82		
<ul style="list-style-type: none"> Call Forwarding - Override 	–	–	–	
<ul style="list-style-type: none"> Group Diversion 	08	–	026/0	
	16	2	F/S	
	19	6	F/S	
	41	0	01/S	
Call Park	–	–	–	
<ul style="list-style-type: none"> Call Park - System 	08	–	133/S	
	12	07	F/S	
	15	96	F/S	
	20	0 – 3	F/008, 009	
	41	0	05/S	
	90	00	F/F5000, F6144	
<ul style="list-style-type: none"> Call Park - Tenant 	08	–	133/S	
	20	0 – 3	F/062	
	41	0	05/S	
	90	00	F/F3XXX	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Call Pickup	–	–	–	
• Call Pickup - Direct	12	02	F/S	
	15	14	F/1	
	20	0 - 3	F/021	
	90	00	F/F0021	
• Call Pickup - Group	16	0	F/S	
	20	0 - 3	F/020	
	90	00	F/F0020	
• Call Pickup - Designated Group	12	02	F/S	
	15	14	F/1	
	16	0	F/S	
	20	0 - 3	F/037	
Call Redirect	51	18, 22	F/S	
	90	00	F/F5011/F5012	
Call Transfer	–	–	–	
• Call Transfer - All Calls	08	–	068, 155, 319/S	
• Call Transfer - Attendant	08	–	063, 142/S	
	20	0 - 3	F/800	
	62	0 - 3	F/0	
Camp-On	08	–	050, 051, 068, 069, 146 – 148, 208, 322/S	
	12	02	F/S	
	15	16, 43, 44	F/1	
	20	0 - 3	F/007, A25	
	41	0	26/S	
CCSA Access	20	0 - 3	F/100 – 163	
	35	00, 15	F/S	
	90	00	F/F6030 – F6037	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Centrex Compatibility	20	0 – 3	F/A58	
	35	16, 86	F/S	
	93	–	F/S	
Class of Service	12	00 – 03, 07	F/S	
	15	80, 82 – 84, 88 – 91, 96 – 98	F/S	
	35	51 – 58, 61 – 68	F/S	
Code Restriction	08	–	035, 044, 119/S	
	12	01	F/S	
	35	11, 51 – 55, 76	F/S	
	81	01 – 13	F/S	
	85	0 – 4	F/S	
	8A	400–404, 100–115, 000–063, 500–755, 200–207, 300–303	F/S	
Conference	08	–	101 – 104, 246/S	
	45	6, 7	F/1	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Consecutive Speed Dialing	05	–	F/19	
	08	–	035, 168, 171, 252/S	
	12	02	F/S	
	15	07	F/1	
	20	0 – 3	F/064 – 066	
	73	–	F/S	
	74	–	F/S	
	90	00	F/S	
	94	–	F/S	
	CMD000	–	56/1	
Consultation Hold	08	–	137/0	
	12	07	F/S	
	15	88 – 91	F/1	
Customer Administration Terminal (CAT)	12	02	F/S	
	15	56	F/1	
	E7	00 – 06, 10 – 16	F/S	
	E9	–	0 – 9/S	
Data Line Security	13	07	F/0	
Delayed Ringing	41	1	09/S	
	90	03	F/0	
Diagnostics				Refer to Maintenance Manual.

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Dial Conversion	08	–	050, 051/0	
	10	–	F/S	
	12	00	F/3	
	35	01, 23 – 26, 45, 46	F/S	
	45	0, 1	F/1	
Direct Digital Interface (DDI)				Refer to DDI System Manual.
Direct Inward Dialing (DID)	08	–	180/S	
	10	–	F/S	
	30	00 – 05	F/S	
	35	00, 02, 05, 12, 18	F/S	
	41	0	01, 45/S	
	45	1	F/S	
	49	00	F/S	
	51	00, 03, 06	F/S	
	76	0, 1	F/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Direct Inward System Access (DISA)	05	–	F/07	
	08	–	180, 217, 352/S	
	10	–	F/EBXXX	
	15	33	F/S	
	20	0 – 3	F/A00, A01	
	2A	5 – 8	F/S	
	30	02, 03, 30, 31	F/S	
	35	18	F/0	
	41	0	39/S	
	42	–	13/S	
	76	0, 1	F/D16	
D5	0, 1, 3	F/S		
Direct Inward Terminator (DIT)	08	–	179/S	
	30	02, 04, 13, 15	F/S	
	41	0	01/S	
Direct Outward Dialing (DOD)	10	–	F/S	
	20	0 – 3	F/100 – 163	
	30	00, 01, 08	F/S	
	35	00 – 02, 04, 05, 08, 09, 20 – 26, 45, 46	F/S	
	41	0	27/S	
	90	00	F/S	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Direct Station Selection/Busy Lamp Field (DSS/BLF) Console	08	–	269/274/S	
	10	–	F/S	
	96	–	F/S	
	97	–	F/S	
Distinctive Ringing	08	–	137, 138, 179, 180/S	
	35	32, 33	F/S	
Do Not Disturb	08	–	240, 241/S	
	12	02	F/1	
	13	00	F/0	
	15	19	F/1	
	20	0 - 3	F/022, 023	
	48	2	14/S	
	51	10	F/S	
	90	00	F/S	
Dual Hold	12	02	F/S	
	15	64	F/1	
E & M Tie Line Access	10	–	F/S	
	35	00 - 02, 04, 05, 08 - 10, 13, 19, 20, 21, 23 - 26, 33, 34, 45, 46, 104, 105	F/S	
	42	–	50 - 65/S	
	45	1	F/0	
	49	00	F/0000, 0E00	
	51	01, 04, 07	F/EBXXX	
	63	2	F/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Elapsed Call Timer	–	–	–	
Enhanced 911	05	–	F/08	
	06	04	F/S	
	08	–	474, 475/S	
	09	–	52/0	
	12	12, 13	F/S	
	13	25	F/S	
	20	0 - 3	F/A26-A28	
	31	2	0 - 3/0	
	35	03, 04, 14, 20, 36, 38, 76, 129	F/S	
	50	05	F/S	
	85	0 - 7	F/S	
	8A	YYY	F/S	
AA	07	F/3		
Executive Calling	13	21	F/0	
Executive Override	08	–	045, 115/S	
	12	02	F/S	
	15	05, 09	F/1	
	20	0 - 3	F/006	
	45	6	F/1	
	90	00	F/F0006	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
External Paging with Meet-Me	08	–	094, 096, 149, 157, 445/S	
	10	–	F/S	
	12	02	F/S	
	15	08	F/1	
	20	0 - 3	F/100 - 163, 070 - 079, 080	
	30	00, 28	F/S	
	35	00, 08	F/S	
	44	–	F/S	
	90	00	F/6150 - F6159	
Feature Activation from Secondary Extension	–	–	–	
FAX Arrival Indicator	12	03, 05	F/00 - 03	
	13	29	F/0	
	51	14	00 - 03/S	
	52	00 - 99	F/S	
	90	00	F/S	
Flexible Line Key Assignment	08	252	F/S	
	12	02	F/S	
	15	07	F/S	
	73	–	F/S	
	90	00	F11XX	
	94	–	F/S	
Flexible Numbering Plan	08	050, 051, 069, 148, 156, 208	F/S	
	10	–	F/S	
	20	–	F/801 - 804	
	29	0 - 3	F/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Flexible Ringing Assignment	08	–	390/1	
	12	02, 07	F/S	
	15	68, 83, 84	F/S	
	35	34	F/S	
	90	01	F/0	
Forced Account Code	05	01	F/07	
	08	–	216, 362/S	
	12	02	F/S	
	15	31	F/1	
	20	0 - 3	F/087	
	42	–	11, 12/S	
	2A	0 - 4	F/S	
	D5	0, 1, 3	F/S	
D6	0	0000/CCC		
Group Listening	12	02	F/S	
	15	70	F/0	
Handsfree Answerback	–	–	–	
Handsfree Dialing and Monitoring	–	–	–	
Hold	–	–	–	
• Call Hold	12	02	F/S	
	15	01	F/1	
	20	0 - 3	F/046	
	90	00	F/F0046	
• Exclusive Hold	08	–	130/1	
	41	0	06/S	
• Nonexclusive Hold	–	–	–	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Hotline	08	–	057/S	
	11	–	F/S	
	12	03	F/04	
	52	00 - 99	F/S	
	71	–	65/S	
	72	–	F/S	
	90	00	F/S	
Individual Attendant Access	06	01	F/S	
	08	–	143/S	
	10	–	F/E000 - E007	
	20	0 - 3	F/095	
Intercept Announcement	10	–	F/EB000 - EB127	
	12	02	F/S	
	15	33	F/1	
	20	0 - 3	F/A00 - 02	
	49	00	F0A00	
	51	07	F/S	
Intercom	–	–	–	
• Manual Intercom	08	–	238/S	
	11	–	F/A200 - A724	
	12	02, 03	F/S	
	15	09	F/0	
	56	11	F/S	
	90	00	F/A200 - A724	

F : First Data
 S : Second Data
 — : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Automatic Intercom	08	–	237/S	
	11	–	F/A000 - A131	
	12	03	F/05	
	13	11	F/S	
	56	10	F/S	
	90	00	F/A000 - A131	
• Dial Intercom	08	–	239/S	
	11	–	F/B000 - B924	
	12	02, 03	F/S	
	15	09	F/0	
	56	12	F/S	
	90	00	F/B000 - B924	
Internal Tone/Voice Signaling	08	–	050, 051, 069, 148, 156, 270/S	
	12	02, 07	F/S	
	15	67, 99	F/S	
	20	0 - 3	F/A63	
Internal Zone Paging with Meet-Me	08	–	158/S	
	12	02	F/S	
	15	49	F/1	
	20	0 - 3	F/A30 - A45, A64	
	56	00 - 07	F/S	
	90	00	F/F1270 - F1277	
Last Number Redial	08	–	177, 178/S	
	20	0 - 3	F/069	
	90	00	F/F0069, F1000, F6121	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Least Cost Routing 3/6 Digit	20	0 - 3	F/A26 - A28	
	35	11, 51 - 55	F/S	
	81	–	F/S	
	85	01 - 13	F/S	
	8A	5-7, A00 100 - 115 200 - 207 300 - 303 405 - 407, 410 000 - 063 500 - 755 900 - 949 800 - 849	F/S	
Line Lockout	08	–	153, 274/S	
	13	04	F/1	
	41	0	22/S	
	42	–	01/S	
Line Preselection	08	–	199/S	
Maintenance Administration Terminal (MAT)	03	–	F/S	
	E7	00 - 06, 10 - 16	F/S	
	E9	–	0 - 9/S	
• Configuration Report	–	–	–	
• Maintenance Printout	–	–	–	
• Peg Count	B0	0, 2	F/S	
	B3	0 - 5	F/S	
• Remove and Restore Service	E5	0, 1	F/S	
Message Center Interface (MCI)				Refer to Message Center Interface (MCI) System Manual.

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Message Reminder	08	–	050, 051, 069, 148, 156, 208, 234 - 236, 280 - 294/S	
	12	02	F/S	
	13	03	F/0	
	15	47, 48	F/1	
	20	0 - 3	F/A46 - A49	
	51	15	F/S	
	90	00	F/F1005	
Miscellaneous Trunk Access	–	–	–	
• Code Calling Equipment Access	10	–	F/S	
	20	0 - 3	F/100 - 163	
	30	00, 01	F/S	
	35	00, 01, 08	F/S	
	44	–	F/S	
• Dictation Equipment Access	10	–	F/S	
	20	0 - 3	F/100 - 163	
	30	00, 01	F/S	
	35	00, 01, 08	F/S	
• Foreign Exchange (FX) Access	35	00	F/01	
• Radio Paging Equipment Access	08	–	094, 095, 149, 157, 162/S	
	10	–	F/S	
	12	02	F/S	
	15	08	F/1	
	20	0 - 3	F/100 - 163, 070 - 079	
	30	00, 28	F/S	
	35	00, 08, 13	F/S	
	41	0	20/S	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Wide Area Telephone Service (WATS) Access	35	00	F/02	
Multiline Terminal Attendant Position	08	–	206, 244, 245, 250/S	
	10	–	F/S	
	11	–	F/S	
	12	02, 03	F/S	
	15	60, 71, 73	F/S	
	17	1, 2	F/S	
	20	0 - 3	F/088	
	30	02, 04	F/S	
	51	12	F/S	
	90	00	F/S	
	96	–	F/S	
	97	–	F/S	
Music On Hold	08	–	183, 388/S	
	10	–	F/S	
	12	02	F/S	
	15	33	F/1	
	20	0 - 3	F/A00 - A02	
	44	–	F/0000 - 0009	
	48	0	F/S	
	49	00, 05	F/S	
	64	1	F/00 - 09	
Night Service	–	–	–	
• Attendant Night Transfer	08	–	018/S	
	51	13	F/S	
• Call Rerouting	–	–	–	See Night Connection Fixed/Flexible, TAS, DIT, DID, E&M Tie Line.

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Day/Night Mode Change by Attendant Console	20	0 – 3	F/A55	
	60	30	1/S	
	90	00	F/F6110	
• Day/Night Mode Change by Station Dialing	08	–	244, 245/0	
	12	02	F/S	
	15	60	F/1	
	20	0 – 3	F/043	
	90	00	F/F0043	
• Night Connection - Fixed	30	03, 05, 14, 16	F/S	
	41	0	01/S	
• Night Connection - Flexible	–	–	–	See Night Connection Fixed and Call Forwarding - All Calls.
• Trunk Answer Any Station (TAS)	10	–	F/E800 – E831	
	12	01, 02	F/S	
	15	53	F/1	
	20	0 – 3	F/047 – 051	
	30	03, 17	F/S	
	44	–	F/S	
	53	0 – 4	F/S	
	59	–	F/S	
63	0	F/S		
Off-Hook Alarm	12	07	F/S	
	13	02	F/0	
	15	97, 98	F/S	
	41	0	22/S	
	51	12	F/S	
	90	00	F/F6056	

F : First Data
 S : Second Data
 — : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Off-Premises Extension	13	09	F/0	
Pad Lock	05	–	F/07	
	08	–	216, 281, 362/S	
	12	02	F/S	
	15	31, 75	F/S	
	20	0 – 3	F/029, 086	
	2A	0, 1, 3	F/S	
	42	–	11/S	
	D5	0, 1, 3	F/S	
	D000	–	150/1	
	D015	–	F/S	
	D016	–	xx06/1	
D031	–	F/S		
Periodic Time Indication Tone	08	–	135, 136/S	
	12	02	F/S	
	13	07	F/1	
	15	61	F/1	
	41	0	09/S	
Pooled Line Access	30	00 – 03	F/S	
	90	00	F/F411 – F4163	
Power Failure Transfer	10	–	F/S	
Priority Call	08	–	250, 251/S	
	12	02	F/S	
	15	17, 18	F/1	
	20	0 – 3	F/088, 089	
	51	12	F/S	
	90	00	F/F6054, F6055	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Privacy/Privacy Release	12	02	F/S	
	15	63	F/1	
Private Line	12	16	F/S	
	35	98	F/S	
	42	—	08/S	
Proprietary Multiline Terminal	—	—	—	
• Automatic Idle Return	08	—	172/1	
• Called Station Status Display	—	—	—	
• Calling Name and Number Display	08	—	335	
• Dynamic Dial Pad	12	02	F/S	
	15	120	F/0	
	93	—	F/S	
• Handsfree Unit	—	—	—	
• I-Hold/I-Use Indication	—	—	—	
• Microphone Control	—	—	—	
• Multiple Line Operation	90	01	F/S	
• Mute Key	90	00	F/F5013	
• Off-Hook Voice Announcement	08	—	270, 279/1	
	11	—	F/CX – CXXXX	
	12	02, 07	F/S	
	13	28	F/S	
	15	67, 72, 99	F/S	
	20	0 – 3	F/A63	
	90	00	F/CX – CXXXX	
• Prime Line Pickup	93	—	F/S	

F: First Data
S: Second Data
—: No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System		F: First Data S: Second Data —: No Data		
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Recall Key	35	16, 86	F/1	
	41	2	17/S	
	90	00	F/F1009	
• Relay Control Function Key	10	—	F/E8XX	
	44	—	F/1500	
	90	00	F/F7XXX	

This page is for your notes.

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Ring Frequency Control	08	–	262, 390/S	
	12	07	F/S	
	15	83, 84	F/S	
	35	34	F/S	
• Soft Key	12	12, 23		
	90	00	F/F1091	
	9A	00-03, 10-13	F/S	
• Volume Control	–	–	–	
Remote Hold	12	02	F/S	
	15	124	F/S	
	41	0	06/S	
	90	00	F/F1010	
Remote Maintenance	–	–	–	
Reserve Power	–	–	–	
Resident System Program	–	–	–	See Chapter 4.
Return Message Schedule Display	08	–	334	
	12	02	F/S	
	15	19	F/1	
	20	0 – 3	F/A54, 023	
Ringing Line Pickup	12	07	F/S	
	15	82, 86	F/0	
Route Advance	20	0 – 3	F/200 – 231	
	22	00 – 31	F/S	
Save and Repeat	90	00	F/F1001, F1013, F1014	
Security Alarm	12	03	F/04	
	52	00 – 99	F/S	
Six-/Ten-Party Conference	10	–	F/ED00 – ED03	
	12	02, 05	F/S	
	15	69	F/1	
	20	0 – 3	F/A59 – A62	
	90	00	F/F0A85, F0A86	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Software Line Appearance	11	–	F/S	
	12	01 – 14	F/S	
	13	12, 13	F/1	
	90	00	F/S	
Stack Dial	08	–	178/S	
	12	07	F/S	
	15	96	F/S	
	90	00	F/F1000, F6121	
Station Hunting	–	–	–	
• Station Hunting - Circular	08	–	240/S	
	18	0, 1	F/S	
• Station Hunting - Terminal	08	–	240/S	
	18	0, 1	F/S	
• Station Hunting - Secretarial	08	–	240/S	
	18	2	F/S	
	19	0, 1, 2	F/S	
Station Message Detail Recording				Refer to SMDR System Manual.
Station Speed Dialing	05	–	F/19	
	08	–	035, 168, 171, 252/S	
	12	02	F/S	
	15	07	F/1	
	20	0 - 3	F/064 - 066	
	73	–	F/S	
	74	–	F/S	
	90	00	F/S	
	94	–	F/S	
	CMD000	–	56/1	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Step Call	08	–	069, 163/1, 208/0	
Supervisory Control of Peripheral Equipment	13	22	F/0	
	41	1	08/S	
System Speed Dialing	08	–	043, 044, 110 - 112, 176/S	
	12	02	F/S	
	15	06	F/1	
	20	0 - 3	F/067, 068, A50 - A52	
	41	0	38/S	
	71	–	00 - 64/S	
	72	–	F/S	
	74	–	F/S	
Tenant Service	12	04	F/S	
	20	0 - 3	F/S	
	23	00 - 23	F/S	
	29	–	F/S	
	30	01	F/S	
	49	01 - 07	F/S	
	51	00 - 12/15	F/S	
	61	00	F/S	
	62	0 - 3	F/S	
	63	0 - 2	F/S	
	64	0	F/S	
	65	50/51	F/S	
	71	–	F/S	
8A	100	F/S		
Tie Line Tandem Switching	36	–	F/S	
Timed Queue	41	0	35 – 37/S	
	90	00	F/F004	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Timed Reminder	08	–	228/S	
	10	–	F/DB00, E8XX, EBXXX	
	12	02	F/S	
	15	13	F/1	
	20	0 - 3	F/024, 025, A00 – A02	
	41	0	23, 52/S	
	42	–	03, 04/S	
	44	–	F/0100	
	48	1	00/0200, 0500, 1400	
	49	00, 08	F/S	
90	00	F/F0024		
Trunk-Direct Appearances	08	–	365/S	
	30	02, 18	F/S	
	90	00	F/D000 – D255/F0058	
Trunk Queuing - Outgoing	08	–	196/S	
	12	02	F/S	
	15	02	F/1	
	20	0 – 3	F/000, 001, 004, 005	
	35	28	F/S	
	90	00	F/F0004	
Trunk-to-Trunk Connection	08	–	028, 029/S	
	10	–	F/C100-C163	
	12	07	F/S	
	15	90, 91	F/1	
	35	119	F/S	
	36	–	F/S	
	38	00–07	F/S	
	41	0	54, 55/S	

F : First Data
S : Second Data
— : No Data

Table 2-6 List of Commands for Each Business Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Uniform Call Distribution (UCD) with Overflow	08	–	212, 214, 215, 227, 259, 357, 442/S	
	10	–	F/S	
	12	02	F/S	
	15	33, 103, 104	F/1	
	17	0 – 2, 4 – 7, A, B	F/S	
	20	0 – 3	F/033, 044, 045, A00 – A02	
	35	18, 60	F/S	
	41	0	16, 47/S	
	42	–	15, 16/S	
	44	–	F/S	
	49	00	F/S	
	51	17	F/S	
	59	–	00/S	
	76	6	F/S	
90	00	F/F0033, F0044, F1020, F1280 – 1295		
Uniform Numbering – Voice & Data	20	0 - 3	F/A26 - A29	
	35	17	F/S	
	50	00	0/S	
	80	–	0/2	
	8A	A00, 405 - 407, 000 - 063, 500 - 755	F/S	
Variable Timing Parameters	41	0, 1, 2	F/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-6 List of Commands for Each Business Feature (Continued)

For Business System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Voice Guide	15	116	F/S	
	41	0	95/S	
	48	2	12, 13, 14/S	
	49	00, 13	F/S	
Voice Mail Integration	08	–	063, 156, 208, 333, 428/S	
	12	02	F/S	
	13	03, 10, 13	F/S	
	15	24, 40	F/1	
	20	0 – 3	F/040, 041, A46, A47	
	41	0	00, 14, 44, 48, 49/S	
	50	00	3, 4/S	
	51	15, 18	F/S	
	77	0, 1	F/S	
90	00	F/F1005, F5001, F6112, F6113, F6123		
Whisper Page	08	–	268, 269/S	
	12	02	F/S	
	15	111, 112	F/S	
	20	0 – 3	F/A88	
	48	2	17/S	
	90	00	F/F0A88	
Wireless Communication System (WCS)	–	–	–	Refer to WCS System Manual

F : First Data
S : Second Data
— : No Data

Table 2-7 List of Commands for Each Hotel/Motel Feature

For Hotel/Motel System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Automatic Wake-Up	08	–	228, 282 – 284, 286, 287/S	
	10	–	F/S	
	12	02	F/S	
	15	13, 20, 21, 33	F/1	
	20	0 – 3	F/024, 025, 027, 028, A00 – A02	
	41	0	23, 52/S	
	42	–	03, 04/S	
	44	–	F/0100	
	48	1	00/XX00	
	49	00, 08	F/S	
	90	–	F/S	
Check In/Check Out	D000	–	11/1	
	D001	–	12, 13/S	
	D015	–	F/S	
	D016	–	XX06/1	
	D031	–	F/S	
Direct Data Entry	20	0 – 3	F/097	
	90	00	F/F0097	
	D001	–	252, 253/S	
	D015	–	F/S	
	D016	–	XX24/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-7 List of Commands for Each Hotel/Motel Feature (Continued)

For Hotel/Motel System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Do Not Disturb	08	–	240,241/S	
	12	02	F/S	
	15	19	F/1	
	20	0 – 3	F/022, 023	
	48	2	14/S	
	51	10	F/S	
	90	00	F/S	
Do Not Disturb - System	08	–	240, 241/S	
	13	00	F/0	
	48	2	14/S	
	51	10	F/S	
	90	00	F/S	
Hotel/Motel Attendant Console	90	00	F/S	
Hotel/Motel Front Desk Instrument	02	–	0, 1, 2/S	
	10	–	F/S	
	12	02	F/S	
	15	62	F/1	
	90	00	F/S	
	D000	–	2/1	
	D001	–	F/S	
	D035	–	F/S	
House Phone	08	–	055, 056/S	
	12	03	F/00 – 03	
	51	14	00 – 03/S	

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-7 List of Commands for Each Hotel/Motel Feature (Continued)

For Hotel/Motel System	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Maid Status	08	–	281/S	
	20	0 – 3	F/029	
	90	00	F/F1069	
	D015	–	F/S	
	D016	–	XX06/1	
	D031	–	F/S	
Message Registration	–	–	–	Refer to SMDR System Manual
Message Waiting	08	–	233 – 235/S	
	12	02	F/S	
	13	03, 13	F/S	
	15	24, 40	F/S	
	20	0 – 3	F/040, 041, A47	
	48	2	12/S	
	51	15	F/S	
	90	00	F/S	
Property Management System Interface				Refer to PMS System Manual.
Room Cut Off	08	–	232/S	
	51	11	F/S	
	90	00	F/S	
	D001	–	5, 13/S	
	D015	–	F/S	
	D016	–	XX06, XX46/1	
	D031	–	F/S	
	D033	–	F/S	
	D034	–	F/S	
Room Status				Refer to Maid Status

F : First Data
S : Second Data
— : No Data

INFORMATION FOR DATA PROGRAMMING

Table 2-7 List of Commands for Each Hotel/Motel Feature (Continued)

For Hotel/Motel System		F : First Data S : Second Data — : No Data		
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Single Digit Dialing	20	0 – 3	F/808 – 811	
	21	0 – 3	F/S	
	41	0	13/S	

4. PRECAUTION

4.1 Conditions for Using Commands

- (1) Some commands require a system initialization (reset) after assignment/change of the office data, 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 [Table 2-8](#), categorized according to the conditions for their use.

Table 2-8 Commands and Their Using Conditions

CONDITION	COMMAND	REMARKS
<p>Commands that require a reset of MP card after data setting</p> <ul style="list-style-type: none"> System reset is made by pressing SW1 on MP card. <p style="text-align: center;">INITIAL</p>	<p>CM05: Card Assignment CM06: MISC Trunk Number Assignment CM07: DTI Trunk Assignment CM08 – 390, 391: Basic Service Feature CM09: Additional Service Features CM10: Station Number/Trunk Number, and Card Number (System initialization is required only for assigning the PN-8RST, PN-CFT, ISDN Circuit). CM1A: Data Station Number CM60: YY = 00, 01, 02, 04, 06: ATTCON Tenant Group, Functions CM62: Tenants for each ATTCON Group CMA9: ISDN-channel Assignment CAF8: ID Code for Key FD</p>	
<p>Commands that require a reset of AP card (PN-AP00) after data setting</p> <ul style="list-style-type: none"> AP reset is made by moving Make Busy switch UP and then DOWN. <p style="text-align: center;">AP INITIAL</p>	<p>CMD001 – 20 – 35 – 80 – 156 System Features (2)</p>	
<p>Commands that can be used only under Off-Line mode of MP card (see Section 4.2.)</p> <p style="text-align: center;">OFF LINE</p>	<p>CM00: System Data Memory All Clear CM01: System Data Memory Partial Clear</p>	<p>CAT cannot use these commands.</p>
<p>Commands that can be used only under Off-Line mode of AP card (PN-AP00) (See Section 4.2.)</p> <p style="text-align: center;">AP OFF LINE</p>	<p>CMD100: System Data Partial Clear CMD101: System Data All Clear CMD102: Expansion Memory Clear</p>	

INFORMATION FOR DATA PROGRAMMING

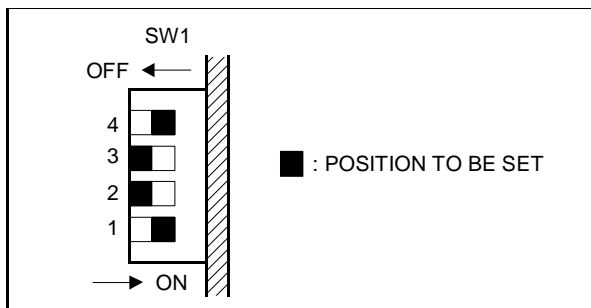
- (2) When deleting data in any command, enter “CCC” as 2nd data. However, data in the following commands cannot be deleted.
- Commands where the initial data (◀) is provided but the initial data (◀) is “NONE”.
 - CM29, CM41, CM42, CM60 YY = 30.

4.2 Method of Setting On-Line/Off-Line Mode

- (1) For the MP card:
- (a) Operation for changing on-line mode to off-line mode:
- Set SW3 to “2” or “3”.
 - Press SW1.
- (b) Operation for changing off-line mode to on-line mode:
- Set SW3 to “0”.
 - Press SW1.

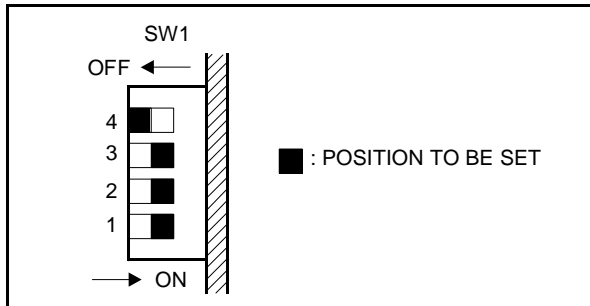
For details, refer to the Circuit Card Manual.

- (2) For the AP card:
- (a) Operation of changing on-line mode to off-line mode:
- Set SW1 as shown below.



(b) Operation for changing off-line mode to on-line mode:

- Set SW1 as shown below.



For details, refer to the Circuit Card Manual.

4.3 Method for Installing Line/Trunk Cards

In the PBX, all line/trunk circuits are provided by installing the cards into a card shelf. The PBX employs a flexible port assignment architecture in which the system allocates a port (Time Slot) to each LEN (Line Equipment Number) according to system data. Consider the following conditions before installing cards:

- Number of Time Slots within Unit
- Card installation location

(1) Number of Time Slots

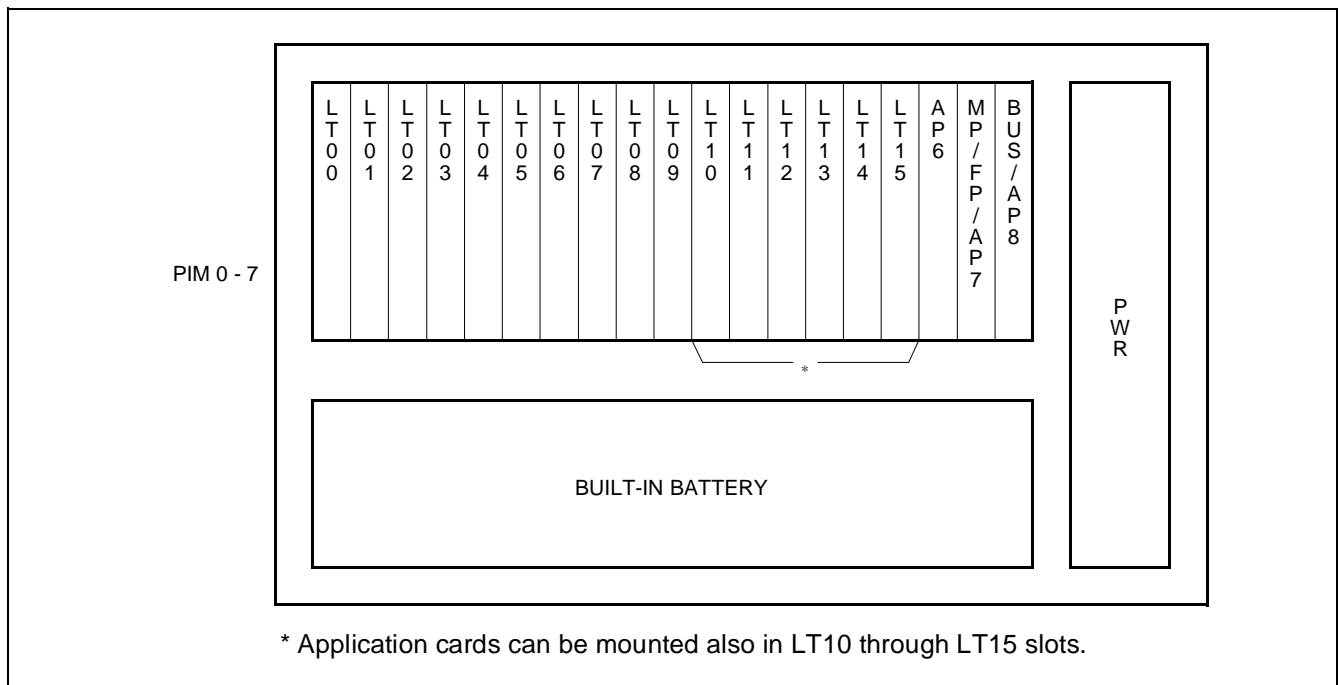


Figure 2-2 Line/Trunk Card Installation Location

INFORMATION FOR DATA PROGRAMMING

- Number of ports on each card

Each card slot has four (4) LENS. For the relation between Slot Numbers and LENSs, refer to the “Port Assignment Table” of the Office Data Programming Manual.

Table 2-9 Port Assignment on Each Line/Trunk Card

X: Assignment possible

–: Assignment not possible

CARD NAME	LEN TO BE ASSIGNED ON EACH LTXX				NUMBER OF CIRCUITS	NUMBER OF TIME SLOTS
	LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3		
PN-4COT	X	X	X	X	4	4
PN-4LC	X	X	X	X	4	4
PN-4DLC	X	X	X	X	4	4
PN-2DLC	X	X	–	–	2	2
PN-2DATA	X	–	X	–	2	2
PN-2ODT	X	X	–	–	2	2
PN-8RSTA	X	–	X	–	8	8
PN-AUCA	X	X	–	–	2	2
PN-CFTA	X	–	–	–	8	10
PN-DK00	X	–	X	–	8	0
PN-TNTA	X	–	X	–	2	4
PN-2DPCB	X	–	X	–	2	2
PN-2AMPA	X	–	X	–	2	4
PN-2ILCA	X	X	–	–	2	5

Note: When performing the 10-party conference, two PN-CFTA cards are needed. In this case, the total number of time slots is 20.

- The following two conditions should be considered for the PBX:

Number of time slots within any PIMs (0 - 7)	≤ 64 time slots
--	-----------------

Number of time slots per System	≤ 512 time slots
---------------------------------	------------------

4.4 Password Entry

In a system with password service, a maintenance person is required to enter an authorization level number (Password Level) and appropriate password prior to engaging in programming the system data with the 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 Levels are determined by system data. The procedure for programming, with password, is shown below:

STEP 1 Connect the MAT to the system, and turn the power switch on.
For the CAT, change the mode to CAT.

STEP 2 Enter the password 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.

STEP 3 Start programming.

STEP 4 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 in Chapter 3, DESCRIPTION OF COMMANDS.

Table 2-10 shows the example for the Password Level Table.

Table 2-10 Example of Password Level Assignment

MAINTENANCE PERSONNEL	PASSWORD LEVEL	ACCESIBLE COMMANDS
A	Level 7	All commands
B	Level 4	CM05, 08 - 13, 15 - 26, 30, 35, 36
C	Level 3	CM08 - 13, 15, 30, 35
D	Level 2	CM10, 11, 30, 35
E	Level 1	CM10, 11
F	Level 0	CM10

Note: All levels can access CM03.

This page is for your notes.

CHAPTER 3 DESCRIPTION OF COMMANDS

1. GENERAL

This chapter provides a detailed description for each command.

2. DETAILED DESCRIPTION OF COMMANDS

This section describes the methods for programming commands. 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.
- (4) Data Table:
A detailed description of the data.

In the description of each command, initial data which is automatically loaded into memory, after system initialization (using position “B” on SW3 of the MP, followed by a reset) is indicated with “ ◀ ”. Refer to Chapter 4 for details on default data when the automatic resident program function (using position “C” on SW3 of the MP, followed by a reset) is used.

The installer should confirm the meaning of initial data, and change or delete the data, if required. If under the command code designation there is an (MAT) abbreviation, then programming can be accomplished by the MAT mode of programming instead of the MOC mode or CAT mode.

COMMAND CODE	TITLE: SYSTEM DATA MEMORY ALL CLEAR
00	

1. FUNCTION:

This command confirms that the system data memory (RAM) area can be Written-in /Read-out and also assigns the Initial Data to the RAM area.

2. PRECAUTION:

- (1) This command can only be used in off-line mode.
- (2) When this command is executed, "OK" displays with Memory Clear completed (about 30 seconds later).
- (3) If an error exists in memory, "WD ERROR" displays.
- (4) This command is not available with a CAT. To clear all system data, set SW3 to "B", and press SW1 on the MP card. In this case, the only functional port is LEN0000, which is assigned as a CAT.

3. ASSIGNMENT PROCEDURE:

ST + 00 + DE + MEMORY AREA
 DESIGNATION + DE + CCC + EXE
 (1/3)

4. DATA TABLE:

1ST DATA		2ND DATA	
DATA	MEANING	DATA	MEANING
1	System data memory all clear	CCC	Clear
3	System data clear for new memory area Note: <i>This data is available when using PN-CP00-C/CP02-C/CP03-C card.</i>	CCC	Clear

COMMAND CODE	TITLE:	
01	SYSTEM DATA MEMORY PARTIAL CLEAR	
<p>1. FUNCTION:</p> <p>This command is used to clear the data associated with the Numbering Plan (CM20-CM29) or Toll Restriction (CM85-CM8A).</p>		
<p>2. PRECAUTION:</p> <p>This command can only be used in off-line mode.</p>		
<p>3. ASSIGNMENT PROCEDURE:</p> <p><input type="text" value="ST"/> + 01 + <input type="text" value="DE"/> + 20 + <input type="text" value="DE"/> + CCC + <input type="text" value="EXE"/></p> <p>Commands to be cleared: 20, 21, 22, 23, 24, 25, 26 and 29 in Data Memory</p> <p><input type="text" value="ST"/> + 01 + <input type="text" value="DE"/> + 80 + <input type="text" value="DE"/> + CCC + <input type="text" value="EXE"/></p> <p>Commands to be cleared: 85, 88 and 8A in Data Memory</p> <p><input type="text" value="ST"/> + 01 + <input type="text" value="DE"/> + 740 + <input type="text" value="DE"/> + CCC + <input type="text" value="EXE"/></p>		
<p>4. DATA TABLE:</p>		
<p>CLEAR DESIGNATION</p>	<p>SYSTEM DATA TO BE CLEARED</p>	<p>REMARKS</p>
20	CM20: Assignment of Numbering Plan CM21: Assignment of Single Digit Access Code CM22: Assignment of Route Advance CM23: Assignment of Tenant Development CM24: Assignment of Kind of Calling Terminal Development CM25: Assignment of Kind of Special Terminal Development CM26: Assignment of Closed Number CM29: Assignment of Numbering Plan Tenant Group	
80	CM85: Assignment of Maximum Number of Digits on C.O. Call CM88: Assignment of Dialed Digit requiring an automatic pause CM8A: Assignment of LCR/Toll Restriction Development Table	
740	Clears Guest Name memory area	

COMMAND CODE <div style="border: 1px solid black; border-radius: 10px; display: inline-block; padding: 2px 5px;">MAT</div> 02	TITLE: SETTING OF SYSTEM CLOCK																
<p>1. FUNCTION:</p> <p>This command is used to assign clock data (day, date and time).</p>																	
<p>2. PRECAUTION:</p> <p>(1) The system clock starts when EXE is depressed.</p> <p>(2) Reenter all the Clock Data if “HARD ERROR” is displayed as a result of this command.</p> <p>(3) This command is included in MAT mode menu “E1” (Setting of System Clock [COM02]).</p>																	
<p>3. ASSIGNMENT PROCEDURE:</p> <div style="text-align: center; margin: 20px 0;"> <p>SECTION</p> <p> ST + 02 + DE + No. + DE + DATA + EXE (0, 1 or 2) (4/6 digits) </p> <div style="margin: 10px 0;"> <p style="margin-left: 100px;">XX XX XX</p> <p style="margin-left: 100px;">└── DAY</p> <p style="margin-left: 100px;">└── DATE</p> <p style="margin-left: 100px;">└── MONTH</p> </div> <div style="margin: 10px 0;"> <p style="margin-left: 100px;">XX XX XX</p> <p style="margin-left: 100px;">└── SEC.</p> <p style="margin-left: 100px;">└── MIN.</p> <p style="margin-left: 100px;">└── HR.</p> </div> </div>																	
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">SECTION NO.</th> <th style="width: 20%;">DATA</th> <th style="width: 40%;">MEANING</th> <th style="width: 25%;">REMARKS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0 [Date (YYYY)]</td> <td style="text-align: center;">0000 - 9999</td> <td>The calendar year is set by 4 digits.</td> <td></td> </tr> <tr> <td style="text-align: center;">1 [Date (MM/DD)]</td> <td style="text-align: center;">010100 - 123106</td> <td>Month, Date and Day are set by 2 digits each in the order named. Days are set as follows: SUN: 00, MON: 01, TUE: 02, WED: 03, THU: 04, FRI: 05, SAT: 06</td> <td></td> </tr> <tr> <td style="text-align: center;">2 [Time (HH:MM:SS)]</td> <td style="text-align: center;">000000 - 235959</td> <td>Hour, Minute, and Second are set by 2 digits each in the order named. Hour information is set in military format (24-hour). <i>For example: 2 p.m. is set as “140000”.</i></td> <td></td> </tr> </tbody> </table>		SECTION NO.	DATA	MEANING	REMARKS	0 [Date (YYYY)]	0000 - 9999	The calendar year is set by 4 digits.		1 [Date (MM/DD)]	010100 - 123106	Month, Date and Day are set by 2 digits each in the order named. Days are set as follows: SUN: 00, MON: 01, TUE: 02, WED: 03, THU: 04, FRI: 05, SAT: 06		2 [Time (HH:MM:SS)]	000000 - 235959	Hour, Minute, and Second are set by 2 digits each in the order named. Hour information is set in military format (24-hour). <i>For example: 2 p.m. is set as “140000”.</i>	
SECTION NO.	DATA	MEANING	REMARKS														
0 [Date (YYYY)]	0000 - 9999	The calendar year is set by 4 digits.															
1 [Date (MM/DD)]	010100 - 123106	Month, Date and Day are set by 2 digits each in the order named. Days are set as follows: SUN: 00, MON: 01, TUE: 02, WED: 03, THU: 04, FRI: 05, SAT: 06															
2 [Time (HH:MM:SS)]	000000 - 235959	Hour, Minute, and Second are set by 2 digits each in the order named. Hour information is set in military format (24-hour). <i>For example: 2 p.m. is set as “140000”.</i>															

COMMAND CODE	TITLE:
03	LOG IN/LOG OUT OF PASSWORD MODE
<p>1. FUNCTION:</p> <p>This command is used to enter a password which allows authorized personnel to access commands in accordance with preassigned authorization levels.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p>To log in the password mode and enter the password</p> <p>[ST] + 03 + [DE] + PASSWORD LEVEL (0 - 7) + [DE] + PASSWORD + [EXE] (1 digit) (Max. 8 digits)</p> <p>To log out of the password mode</p> <p>[ST] + 03 + [DE] + 9 + [DE] + <u>CCCCCCCC</u> + [EXE] 8 digits</p> <p>Note 1: <i>The password for each level is set by CME9. The allowed commands for each Password Level are defined with CME7.</i></p> <p>Note 2: <i>“OK” is displayed when the login is successful.</i></p> <p>Note 3: <i>For security purposes, when entering a password, “*” is displayed.</i></p> <p>Note 4: <i>The password mode is automatically logged out unless a command is entered within 10 minutes after logging in.</i></p>	

COMMAND CODE	TITLE:																															
04	LANGUAGE INDICATED ON MULTILINE TERMINAL LCD		INITIAL																													
<p>1. FUNCTION:</p> <p>This command selects the language that displays on the Multiline Terminal LCDs.</p>																																
<p>2. PRECAUTION:</p> <p>This command requires a system reset after setting the data.</p>																																
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text" value="ST"/> + 04YY + <input type="text" value="DE"/> + 1ST DATA (2 digits) + <input type="text" value="DE"/> + 2ND DATA (1 digit) + <input type="text" value="EXE"/> </p>																																
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2" style="width: 5%;">Y</th> <th colspan="2" style="width: 45%;">1ST DATA</th> <th colspan="2" style="width: 45%;">2ND DATA</th> </tr> <tr> <th style="width: 10%;">DATA</th> <th style="width: 35%;">MEANING</th> <th style="width: 10%;">DATA</th> <th style="width: 35%;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">00</td> <td>Selected language for Multiline Terminal LCD</td> <td style="text-align: center;">0</td> <td>Japanese</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">1</td> <td>English</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">2</td> <td>French</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">7◀</td> <td>Depends on Nation Code (Japanese/English)</td> </tr> </tbody> </table>				Y	1ST DATA		2ND DATA		DATA	MEANING	DATA	MEANING	00	00	Selected language for Multiline Terminal LCD	0	Japanese				1	English				2	French				7◀	Depends on Nation Code (Japanese/English)
Y	1ST DATA		2ND DATA																													
	DATA	MEANING	DATA	MEANING																												
00	00	Selected language for Multiline Terminal LCD	0	Japanese																												
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			2	French																												
			7◀	Depends on Nation Code (Japanese/English)																												

COMMAND CODE		TITLE:																																																														
MAT	05	CARD ASSIGNMENT																																																														
<p>1. FUNCTION:</p> <p>This command is used to inform the main processor card (CP00 or CP03) of the SENSE switch (sense wheel) setting on each AP circuit card that is installed.</p>																																																																
<p>2. PRECAUTION:</p> <p>(1) This command requires a system reset after setting the data.</p> <p>(2) This command is included in MAT mode menu "E2" (Board Assignment [COM02]).</p>																																																																
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text" value="ST"/> + 05 + <input type="text" value="DE"/> + SENSE WHEEL (2 digits) + <input type="text" value="DE"/> + DATA (2 digits) + <input type="text" value="EXE"/> </p>																																																																
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1"> <thead> <tr> <th rowspan="2">SENSE WHEEL (AP NO.)</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">RELATED COMMAND</th> <th rowspan="2">REMARKS</th> </tr> <tr> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="13">04 – 15</td> <td>04</td> <td>Hotel/SMDR/Centralized Building–CCIS (PN-AP00-A)</td> <td></td> <td></td> </tr> <tr> <td>07</td> <td>Authorization Code, Forced Account Code, OAI (PN-AP01)</td> <td></td> <td></td> </tr> <tr> <td>08</td> <td>MF Receiver Trunk (PN-4RSTB/PN-4RSTC)/911 Sender Trunk (PN-4RSTB)</td> <td></td> <td></td> </tr> <tr> <td>09</td> <td>DTI (PN-24DTA/PN-24DTA-A/PN-30DTC/PN-30DTC-A)</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>BRI (PN-BRTA/PN-2BRTC)</td> <td></td> <td></td> </tr> <tr> <td>11</td> <td>Common Channel Handler (PN-SC00)</td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>D Channel Handler (PN-SC01)</td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>ISDN Channel Handler (PN-SC02/SC03)</td> <td></td> <td></td> </tr> <tr> <td>15 ◀</td> <td colspan="2">This slot is not used.</td> <td></td> <td></td> </tr> <tr> <td>19</td> <td>Memory Expansion Card (PN-ME00)</td> <td></td> <td></td> </tr> <tr> <td>23</td> <td>ZT Handler (PN-SC03)</td> <td></td> <td></td> </tr> <tr> <td>34</td> <td>Data Base Module (DBM) (PN-AP00-A)</td> <td></td> <td></td> </tr> <tr> <td>35</td> <td>D Channel Handler for Roaming (PN-SC01)</td> <td></td> <td></td> </tr> </tbody> </table>				SENSE WHEEL (AP NO.)	SETTING DATA		RELATED COMMAND	REMARKS	DATA	MEANING	04 – 15	04	Hotel/SMDR/Centralized Building–CCIS (PN-AP00-A)			07	Authorization Code, Forced Account Code, OAI (PN-AP01)			08	MF Receiver Trunk (PN-4RSTB/PN-4RSTC)/911 Sender Trunk (PN-4RSTB)			09	DTI (PN-24DTA/PN-24DTA-A/PN-30DTC/PN-30DTC-A)			10	BRI (PN-BRTA/PN-2BRTC)			11	Common Channel Handler (PN-SC00)			12	D Channel Handler (PN-SC01)			13	ISDN Channel Handler (PN-SC02/SC03)			15 ◀	This slot is not used.				19	Memory Expansion Card (PN-ME00)			23	ZT Handler (PN-SC03)			34	Data Base Module (DBM) (PN-AP00-A)			35	D Channel Handler for Roaming (PN-SC01)		
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COMMAND CODE	TITLE:
MAT 05	CARD ASSIGNMENT

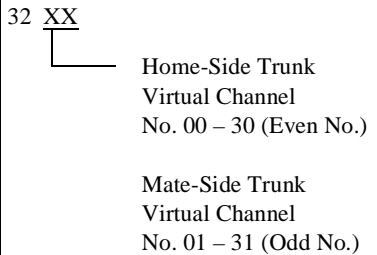
Note: Set the *SENSE* switch on the AP circuit card to match an unequipped slot number as shown below.

SENSE WHEEL (04 - 15)	04	05	06	07	08	09	10	11	12	13	14	15
SWITCH SETTING VALUE	4	5	6	7	8	9	A	B	C	D	E	F

COMMAND CODE		TITLE:																																							
06		MISC. TRUNK NUMBER ASSIGNMENT																																							
<p>1. FUNCTION:</p> <p>This command assigns Miscellaneous Trunk Numbers to each card.</p>																																									
<p>2. PRECAUTION:</p> <p>This command requires a system reset after setting the data.</p>																																									
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 06YY + DE + 1ST DATA (1-4 digits) + DE + 2ND DATA (2-4 digits) + EXE </p>																																									
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>YY</th> <th colspan="2">MISC. TRUNK NO.</th> <th colspan="2">AP NUMBER + CIRCUIT NUMBER</th> <th>RELATED COMMAND</th> </tr> </thead> <tbody> <tr> <td>04</td> <td>00 ~ 15</td> <td>MF Receiver /911 Sender Trunk 00 – 15</td> <td>XXX</td> <td> <u>XX</u> <u>X</u> └───┬───┘ └───┬───┘ Circuit Number (0 – 3) Slot Number (04 – 15) assigned by CM05 </td> <td>CM05</td> </tr> <tr> <td>07</td> <td>0 ~ 3</td> <td>CCH (Common Channel Handler) Number 0 ~ 3</td> <td>XX</td> <td> <u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC00 </td> <td>CM05 CM30 CM35 CMA7, CMA8</td> </tr> <tr> <td>08</td> <td>0 ~ 4</td> <td>DCH (D Channel Handler) Number 0 ~ 4</td> <td>XX</td> <td> <u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC01 </td> <td>CM05 CM35 YY = 93</td> </tr> <tr> <td>09</td> <td>00 ~ 11</td> <td>ICH (ISDN Channel Handler) Number 00 ~ 11</td> <td>XX</td> <td> <u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC02/PN-SC03 </td> <td>CM05</td> </tr> <tr> <td>10</td> <td>XX XX</td> <td>Slot Number (04 – 15) of PN-SC03 + D Channel Block Number (00 – 03)</td> <td>XXXX</td> <td> <u>XXXX</u> └───┬───┘ LEN of PN-2CSI (0000, 0004-0504, 0508) </td> <td>CM05</td> </tr> </tbody> </table>						YY	MISC. TRUNK NO.		AP NUMBER + CIRCUIT NUMBER		RELATED COMMAND	04	00 ~ 15	MF Receiver /911 Sender Trunk 00 – 15	XXX	<u>XX</u> <u>X</u> └───┬───┘ └───┬───┘ Circuit Number (0 – 3) Slot Number (04 – 15) assigned by CM05	CM05	07	0 ~ 3	CCH (Common Channel Handler) Number 0 ~ 3	XX	<u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC00	CM05 CM30 CM35 CMA7, CMA8	08	0 ~ 4	DCH (D Channel Handler) Number 0 ~ 4	XX	<u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC01	CM05 CM35 YY = 93	09	00 ~ 11	ICH (ISDN Channel Handler) Number 00 ~ 11	XX	<u>XX</u> └───┬───┘ Slot Number (04 – 15) of PN-SC02/PN-SC03	CM05	10	XX XX	Slot Number (04 – 15) of PN-SC03 + D Channel Block Number (00 – 03)	XXXX	<u>XXXX</u> └───┬───┘ LEN of PN-2CSI (0000, 0004-0504, 0508)	CM05
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COMMAND CODE		TITLE:																									
07		DTI TRUNK/ISDN TRUNK ASSIGNMENT																									
<p>1. FUNCTION: This command assigns the DTI/ISDN trunks.</p>																											
<p>2. PRECAUTION: This command requires a system reset after setting the data.</p>																											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 07YY + DE + 1ST DATA (4 digits) + DE + 2ND DATA (4 digits) + EXE </p>																											
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COMMAND CODE	TITLE: DTI TRUNK/ISDN TRUNK ASSIGNMENT
07	

YY	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
05	32XX	Virtual Channel No. 32 <u>XX</u>  Home-Side Trunk Virtual Channel No. 00 – 30 (Even No.) Mate-Side Trunk Virtual Channel No. 01 – 31 (Odd No.)	DXXX	Trunk Number (D000 – D255) Note: <i>Trunk numbers already assigned by CM10 cannot be used.</i>	

This page is for your notes.

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES
<p>1. FUNCTION:</p> <p>This command is used to assign basic features on a system-wide basis.</p>	
<p>2. PRECAUTION:</p> <p>After setting 1st data 390 and 391, system reset is required.</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;">$\boxed{\text{ST}} + 08 + \boxed{\text{DE}} + \begin{array}{c} \text{BASIC SERVICE} \\ \text{FEATURE} \\ (3 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA (0/1)} \\ (1 \text{ digit}) \end{array} + \boxed{\text{EXE}}$</p>	

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
4. DATA TABLE:			
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
012	Busy Verification	0 1 ◀	Not available Available
014	Attendant Loop Release	0 1 ◀	Provided Not provided
018	When the system is in night mode, an attendant (dial "0") call from a station is automatically transferred to a specific station.	0 1 ◀	Not transferred To transfer (See CM51 YY = 13)
021	Station to Station call during a C.O. outgoing connection or outgoing call transfer.	0 1 ◀	To restrict Not restricted
025	MSG Display	0 1 ◀	MSG (only) MSG X (X: No. of message)
026	Group Diversion	0 1 ◀	Available (See CM16 Y = 2) Not available
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.	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, ATTCON or Digital Announcement Trunk.	0 1 ◀	Restricted (Reorder) Predetermined station, ATTCON, or Digital Announcement Trunk assigned by CM51 YY = 06, 07
035	Toll Restriction for an outgoing call by Station Speed Dialing feature.	0 1 ◀	Not provided To provide
036	Buzzer indication when a call remains held at the ATTCON over a preprogrammed period of time assigned by CM41 Y = 0, Function No. 00 (Buzzer indication for Automatic Recall)	0 1 ◀	Not available Available
037	Select the detection method of IC GS Trunks Ring signal. Note: <i>This is useful when AC induction is present on GS Trunks.</i>	0 1 ◀	Detect only, Ring cycle only Detect Ring cycle and Ground Lead
040	SMDR output for Tandem Call	0 1 ◀	Available Not available
043	System Speed Dialing Security (Stored Number display on Multiline Terminal for an outgoing call by System Speed Dialing).	0 1 ◀	Not displayed Display

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
044	Toll Restriction for outgoing call by System Speed Dialing feature.	0 1 ◀	Not provided Provide
045	Warning tone sent to connected parties during Executive Override or Attendant Override.	0 1 ◀	Only once Every 4 sec.
048	Passing Dial Tone facility	0 1 ◀	Not available Available
050	If * button on DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash.	0 1 ◀	Effective Ineffective
051	If # button on DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash.	0 1 ◀	Effective Ineffective
053	Alternative ISDN line for Event Based CCIS	0 1 ◀	Available Not available
055	Result of a Switch Hook Flash on a telephone that 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 that 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
058	Destination selection method for Day/Night Mode Change, when Direct Inward Dialing terminates. Effective only when the 2nd data of CM08-264 is 1.	0 1 ◀	For station tenant For trunk tenant
062	Call transfer from a station before called station answers.	0 1 ◀	Not available Available
063	Call transfer from a station before called ATTCO answers.	0 1 ◀	Available Not available
067	Attendant Overflow	0 1 ◀	Available Not available
068	Camp-On Tone sending to a busy station by Camp-On Transfer method	0 1 ◀	Camp-on Tone sent out only once Camp-on Tone repeats at 4 second intervals.
069	When a station user has dialed any one digit while hearing busy tone	0 1 ◀	Switch Hook Flash Step Call
076	Warning tone to be sent to C.O. line, when a station or operator overrides a busy station connected to a C.O. line	0 1 ◀	Not sent Send

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
078	This setting determines the trunk seizing sequence when CM 35 YY = 83 is set to 0. Note: When NEAX 2000/1000IVS is installed with loop-start trunks, it is important to select the highest available trunk setting to prevent call collisions.	0 1 ◀	Highest available trunk Lowest available trunk
085	Types of PS No-Answer timer	0 1 ◀	No Answer timer (CM41 • Y = 0-86) No Answer timer (CM41 • Y = 0-01)
086	Whether PS Out of Cell/PS Power Off are separated from No-Answer. Note: This data is effective only when CM08-086 is set to 0.	0 1 ◀	Separated Not separated (Handled as No-Answer)
088	Whether the Home PBX Numbering Plan is the Open Numbering System or Closed Numbering System.	0 1 ◀	Closed Numbering System Open Numbering System
094	Paging access tone sent to station	0 1 ◀	Send Not sent
095	Hook flash (break pulse) sent to Radio Paging equipment from station	0 1 ◀	Send Not sent
096	Hook flash (break pulse) sent to Speaker Paging equipment from station	0 1 ◀	Send Not sent
101	When data for "102" is "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). This data is applied to single line telephone station.	0 1 ◀	See the data for "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).	0 1 ◀	See the data for "104". STA-B is held, and STA-A returns to the connection with the C.O. line. (Broker's Call)
104	When the data for "103" is "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 ◀	Send Not sent

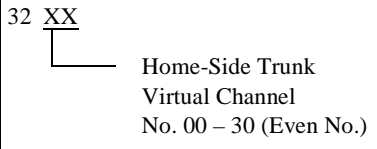
COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
110	1000-Slot Memory Block Number "3" for Station Speed Dialing is used as the Memory Block for System Speed Dialing.	0 1 ◀	Available (See CM20, A50) Not available
111	1000-Slot Memory Block Number "1" for Station Speed Dialing is used as the Memory Block for System Speed Dialing.	0 1 ◀	Available (See CM20, A51) Not available
112	1000-Slot Memory Block Number "0" for Station Speed Dialing is used as the Memory Block for System Speed Dialing.	0 1 ◀	Available (See CM20, A52) Not available

This page is for your notes.

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
113	Outgoing C.O. Line Call from a Station to Station connection.	0 1 ◀	Not allowed To allow
114	Answer preference for enhanced Trunk Direct Appearance	0 1 ◀	Display 2-digit trunk ID code (CM30 YY = 19, last two digits assigned) Display 4-digit trunk ID code (CM30 YY = 19)
115	A station user is allowed to break into a call between a C.O. line party and another station by Executive Override.	0 1 ◀	Not allowed To allow
116	Answer Key rings Note: <i>Answer key rings on TAS and Pooled Line.</i>	0 1 ◀	To provide Not provided
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 the 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" The station receives Reorder Tone
120	GUEST NAME DISPLAY (time to display on LCD) Note: <i>This data is only available when CM08-128 = 0.</i>	0 1 ◀	10 sec. 6 sec.
121	GUEST NAME DISPLAY Note: <i>This data is only available when CM08-128 = 0.</i>	0 1 ◀	Duration of Call CM08 - 120
123	When a station has originated a call to C.O. line via the trunk route assigned to 1 by CM35 YY = 04, and answer signal has not been detected within the preprogrammed time after dialing, a pseudo-answer signal is generated. (CM41 Y = 0, Function No. 03)	0 1 ◀	Not sent To send
124	Multi-Connection of Digital Announcement Trunk on Announcement Service.	0 1 ◀	Available Not available (Single Connection)
125	After holding an incoming C.O. call, an attendant dials a station. If, after connection with the attendant, the called station goes on-hook, the attendant hears Reorder Tone or returns to the held call.	0 1 ◀	Return to held call Reorder tone
128	Guest Name Display via PMS.	0 1 ◀	Available Not available
130	Exclusive Hold (E-HOLD) Service on Multiline Terminal.	0 1 ◀	Not available Available

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
133	A trunk line placed in Consultation Hold by Call Park-System/Tenant, can be retrieved by pressing a trunk line appearance key on any Multiline Terminal.	0 1 ◀	Not available Available
135	Periodic Time Indication Tone Sending for C.O. Line connection. (CM41 Y = 0, Function No. 09)	0 1 ◀	To send Not sent
136	Periodic Time Indication Tone Sending for a Tie Line connection (When the data for 135 of CM08 is 0).	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 (CM08-138) External Ringing (CM35 YY = 33)
138	Ringing signal for a Station to Station Connection.	0 1 ◀	2s ON - 4s OFF 1s ON - 2s OFF
139	Individual Trunk Access from a station. (CM20-081) (Where data is set as "0", ORT and SENDER are not being timed out. Set data as "1" normally.)	0 1 ◀	For testing Normal
141	To record Station to Station calls automatically	0 1 ◀	Starts automatically Not available
142	Attendant access capability provided from the stations belonging to a tenant with no ATTCON.	0 1 ◀	To allow Not allowed
143	Calling the designated ATTCON from a station within another tenant is restricted (CM20 - 095)	0 1 ◀	To restrict Not restricted (Recall transferring station)
145	Outgoing call preset or Call answer preset of Multiline Terminal • Outgoing preset: <input type="text" value="FNC"/> + <input type="text" value="OG"/> • Call answer preset: <input type="text" value="FNC"/> + <input type="text" value="ANS"/>	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 transferring a C.O. call to a station, which is busy, has performed a switch hook flash.	0 1 ◀	Special Dial Tone, allowing the use of Camp-On access code. Return 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. (Effective only when data for "069" is "1".)	0 1 ◀	Switch Hook Flash Ineffective

COMMAND CODE	TITLE: DTI TRUNK/ISDN TRUNK ASSIGNMENT
07	

YY	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
05	32XX	Virtual Channel No. 32 <u>XX</u>  Home-Side Trunk Virtual Channel No. 00 – 30 (Even No.) Mate-Side Trunk Virtual Channel No. 01 – 31 (Odd No.)	DXXX	Trunk Number (D000 – D255) Note: <i>Trunk numbers already assigned by CM10 cannot be used.</i>	

This page is for your notes.

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
176	1000-Slot Memory Block Number "2" for Station Speed Dialing is used as the Memory Block for System Speed Dialing.	0 1 ◀	Available Not available
177	Last Number Redial feature for DP/DTMF telephone.	0 1 ◀	Available (See CM20 - 069) Not available
178	Last Number Redial/Stack Dial for internal calls (effective only when data 177 is set to 0.)	0 1 ◀	Not available (only available for external calls) Available
179	Ringing cadence on Direct in Termination call.	0 1 ◀	As per CM35 YY = 33 0.4s ON - 0.2s OFF - 0.4s ON - 2s OFF
180	Ringing cadence on DID call, DISA call and Automated Attendant call.	0 1 ◀	0.4s ON - 0.2s OFF - 0.4s ON - 2s OFF As per the data of CM35 YY = 33
181	Multiline Terminal one-touch calling or DSS key calling while another party is being rung, or while talking with another party.	0 1 ◀	Not available Available
183	Music selection on the MP card.	0 1 ◀	Nocturne Minuet
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: CM41 Y = 0, Function No. 07)	0 1 ◀	Not available Available
187	Recall priority over Call Forwarding	0 1 ◀	Recall is higher Call Forward is higher
193	Sender Prepause for C.O. outgoing call (Not used with LCR)	0 1 ◀	To provide Not provided
194	Sender Prepause for Tie Line outgoing call	0 1 ◀	Not provided To provide
199	For the operation of Line Preselection on a Multiline Terminal, the SPEAKER button is required after depressing the desired LINE/TRUNK button.	0 1 ◀	Not required Required
200	Wake-up time printout on the H/M printer and the report is sent to the PMS, when setting a wake-up time from a guest station.	0 1 ◀	Available Not available
201	Do Not Disturb records printout on the H/M printer and the report is sent to the PMS, when setting Do Not Disturb from a guest station.	0 1 ◀	Available Not available

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
204	Diversion display by ATTCON.	0 1 ◀	Available Not available
205	LDN Diversion by ATTCON. (See CM58)	0 1 ◀	Available Not available
206	Trunk to Trunk Transfer by an Attendant before answer (on the OG trunk).	0 1 ◀	Available Not available
208	Dialing of a Single Digit Feature Access Code, while the calling station hears busy tone.	0 1 ◀	Available Not available
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.
214	When an ACD/UCD station dials the ACD/UCD Busy out code after holding the call from a Tie Line or CCSA line. (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 an ACD/UCD station dials the ACD/UCD Busy out code after holding the call from a C.O. Line (DDD/FX/WATS). (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	Designation of the processor to be checked for Authorization Code/Forced Account Code.	0 1 ◀	MP (PN-CP00) Basic (CM2A Y= 0-4) AP (PN-AP01)
217	Designation of the processor to be checked on a Direct Inward System Access (DISA ID Codes).	0 1 ◀	MP (PN-CP00) Basic (CM2A Y= 5-8) AP (PN-AP01) Expanded (CM05)
221	Tone sent to all parties on a three party conference. (Australia Only)	0 1 ◀	Tone is not sent. Every 4 sec.
222	To complete the operation for setting the Call Forwarding-All Calls-Outside Busy Line-Outside/No Answer-Outside.	0 1 ◀	Setting when the station goes on-hook/ when receiving Service Set Tone (ORT Time Out). Setting when receiving Service Set Tone (ORT Time Out).
227	Whether the transferred C.O. call from a station or ATTCON is placed into queuing mode when all ACD/UCD stations are busy (effective only when CM08 – 212 is set to 1).	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 ATTCON).
228	Ringing start time for wake-up call/Timed Reminder call.	0 1 ◀	Start at preset time. Start at the time 5 minutes before pre- set time.

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
232	Trunk access from a station in Room Cut-Off Status.	0 1 ◀	Restricted to C.O. only Restricted to all Trunk Routes.
233	Message Waiting lamp of calling station is extinguished when an attendant answers (See CM13-13)	0 1 ◀	Assigned Not assigned
234	Whether 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	Whether 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 (Depending on CM08 –234)
236	Special Dial Tone Sending for ATTCOM or station dialing a Message Waiting access (Set/Cancel) code.	0 1 ◀	Tone is not sent. Tone is sent.
237	Automatic Intercom to a station set for Do Not Disturb.	0 1 ◀	Restricted (ROT Connection) Intercom is available.
238	Ringling of Manual Intercom call on a station set for Do Not Disturb.	0 1 ◀	No ringer on Ringer on
239	Dial Intercom to a station set for Do Not Disturb.	0 1 ◀	Restricted (ROT Connection) Intercom is available.
240	Call Forwarding-Busy Line/Split Call Forwarding-Busy Line/Station Hunting for a station with Do Not Disturb set.	0 1 ◀	Allowed Restricted (ROT Connection)
241	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, and when the call is transferred to a station by CM51 YY = 10.	0 1 ◀	Call is routed to a station within the tenant of station set to Do Not Disturb. Call is routed to a station within the tenant of the calling station or within the tenant of DID/Tie Line Trunk.
	In the system with multiple-tenants and multiple-console operation, when a DID/Tie Line call is transferred to an ATTCOM by CM51 YY = 00, 01, 03, 04.	0 1 ◀	Call is routed to the ATTCOM within the tenant of the called station. Call is routed to the ATTCOM within the tenant of the DID/Tie Line Trunk.
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 YY = 01 is changed by Day/Night Mode, when changed by station dialing.	0 1 ◀	Available Not available
246	When the station (STA-A) presses the TRF key, after holding a 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).

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
250	Destination of Priority Call 0.	0 1 ◀	Same station as Off-Hook Alarm. (See CM51 YY = 12) Terminate to ATTCON. (See CM46 -54)
251	Destination of Priority Call 1.	0 1 ◀	Same station as Off-Hook Alarm. (See CM51 YY = 12) Terminate to ATTCON. (See CM46 -55)
252	Maximum number of digits in Station Speed Dialing.	0 1 ◀	26 digits - 3000 buffers 16 digits - 4500 buffers
253	Ring transfer for Call Transfer-All Calls to a Trunk (when a station holds another station).	0 1 ◀	Available Not available
254	Whether the HOLD key of the Multiline Terminal is used as the Call Party-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 Multiline Terminal and ATTCON.	0 1 ◀	Not provided To provide
258	Selects when ORT will be released (Forced Account Code and Authorization Code)	0 1 ◀	When user presses recall key When station goes on hook
259	Warning tone sent to connected parties when monitoring a station-to-station or a station-to-trunk call. Note 1	0 1 ◀	Not sent To send (only once)
262	Multiline Terminal ringer volume control and sending of Ring Test Tone • To ring the ringer: depress FNC and dial 0. • To adjust the ringer volume: depress ▲ or ▼.	0 1 ◀	Available Not available
264	Destination selection method for Day/Night Mode change, when a Direct Inward Dialing Call terminates.	0 1 ◀	For tenant of each DID incoming LDN assigned by CM76 Y = 4 For tenant of station or trunk (as per the data CM08 - 058)
265	Display of Busy Out from UCD Group on DSS Console.	0 1 ◀	To provide Not provided
267	H/M feature (Wake-up, Do Not Disturb, Message Waiting, Room Cut Off) records printout on the H/M printer, and a report is sent to PMS when setting or resetting the H/M feature from H/M Console or Administration Station.	0 1 ◀	Available Not available

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
268	Call termination to My Line while the extension makes a call with a secondary extension or trunk line on Multiline Terminal. Note: When 0 (Restricted) is set, 0 (Station Base) should be set by CM08-269.	0 1 ◀	Restricted Allowed
269	Busy indication on BLF of ATTCON, DSSCON or Multiline Terminal by Station Base or Extension Base.	0 1 ◀	Station Base Extension Base
270	Voice Call when calling a Multiline Terminal set to Voice first from a single-line telephone or a Multiline Terminal without an LCD.	0 1 ◀	Not provided (Busy Tone) To provide
274	Line lockout indication on DSS Console.	0 1 ◀	Available Not available
279	Voice call when a called Multiline Terminal goes on-hook while receiving an Off-Hook Voice Announcement.	0 1 ◀	Not provided (Ring Tone) To provide
280	Time Display for Message Reminder/Message Waiting Service (System/Individual) on Multiline Terminal.	0 1 ◀	24-Hour (Military Format) 12-Hour
281	Maid Identification Number used for Mail Status. Note 2	0 1 ◀	Available Not available
282	Message“RINGONOK”isprintedoutwhenawake-upcallstarts. Note 2	0 1 ◀	Not printed To print
283	Message “STATION BUSY” is printed out when the station is busy on a wake-up call. Note 2	0 1 ◀	Not printed To print
284	Message “CONNECTION BLOCK” is printed out when a wake-up call is unsuccessful. Note 2	0 1 ◀	Not printed To print
286	Message “STATION ANSWER” is printed out when the station answers a 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 the wake-up call. Note 2	0 1 ◀	Not printed To print
289	Room cutoff	0 1 ◀	Not allowed Allowed
293	Wake-Up Time Display on the Front Desk Terminal	0 1 ◀	24-Hour (Military Format) 12-Hour
294	MW Lamp Indication on Multiline Terminal to which Message Waiting/Message Reminder is set.	0 1 ◀	Flashing (60 IPM) Steady Lighting
301	When system is initialized.	0 1 ◀	D ^{term} MIC lamp ON D ^{term} MIC lamp OFF

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
311	Display last calling station number. Note: <i>This is only applicable for an ETJ-16DC-1, an ETJ-16DD-1 or an ETJ-24DS-1.</i>	0 1 ◀	6 seconds Until next call
319	On a Tie Line outgoing call with answer signal, transferring/holding the call before distant called station answers. (Effective only when CM35 YY = 00 is 03 or 04 and CM35 YY = 04 is 02.)	0 1 ◀	Not available Available
322	Answering method of Camp-on (Call Waiting Method).	0 1 ◀	Same as Camp-on transfer-method (SHF + Call Hold Access Code/ANS key) Alternating between two calls by switchhook flash/ANS key.
324	Direct-In Termination-Outside (In 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 the outgoing call via ATTCON	0 1 ◀	To provide Not provided
333	Mail box number sent to VMS when VMS is recalled after transferring the call to an unanswered station.	0 1 ◀	To send Not sent
334	Call to a station, set with a Return Message Schedule Display, receives ringing.	0 1 ◀	Available (ringing) Not Available (ROT connection)
335	Station number and name display when an incoming call begins ringing in. <div style="text-align: center;">INITIAL</div>	0 1 ◀	Station number and name display when an incoming call terminates to the Prime Line. Station number and name display when an incoming call terminates to the Prime Line or Primary Extension.
352	When a call is transferred by DISA to a predetermined station and time-out occurs, the call is continued or dropped (CM30 YY=30; CM41 Y=0, Function No. 39).	0 1 ◀	Disconnect call Continue call
353	Buzzer sound when terminating an incoming call to an ATTCON that is in Attendant Console Lockout.	0 1 ◀	Not provided To provide
357	Diversion display on Multiline Terminal/ATTCON when originating/terminating a call.	0 1 ◀	Available Not available
359	When a call is transferred by an Automated Attendant to a predetermined station and time-out occurs, the call is continued or dropped (CM30 YY=30, 31, 32, 33; CM41 Y=0, Function No. 39).	0 1 ◀	Disconnect call Continue call
361	Dial "***" is automatically added to the digits sent to the Radio Paging System.	0 1 ◀	Allowed Restricted

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ : Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
362	Confirmation tone after dialing the access code for Account Code/Authorization Code/Forced Account Code.	0 1 ◀	No tone Service Set Tone (SST)
363	For the Automated Attendant call, caller dials while sending message or music.	0 1 ◀	Not allowed (Allowed after sending the message or music) Allowed
365	Sending Dial Tone when holding a trunk by HOLD key (CM90 YY=00-F0058).	0 1 ◀	To send Not send
366	Ringing distinction by detecting the ringing signal from the Main PBX (Centrex).	0 1 ◀	Longer Ringing than CM41 Y=2-40: External Shorter Ringing than CM41 Y=2-40: Internal Longer Ringing than CM41 Y=2-40: Internal Shorter Ringing than CM41 Y=2-40: External
367	Camp-on Tone sent to a busy station by Camp-on Call Waiting method.	0 1 ◀	Every 4 seconds Only once
368	Central/SMDR Office feature for Centralized Billing-CCIS. INITIAL	0 1 ◀	To provide (for centralized office) Not provided (for local office)
370	Call Forwarding-Outside-CCIS on incoming call from CCIS.	0 1 ◀	Restrict Allow
371	Call Forwarding Override-CCIS.	0 1 ◀	Not available (BT Connection) Available
372	Alternative Routing when the outgoing trunks of tandem office are all busy.	0 1 ◀	Available Not available
373	Provide the system with Call Forwarding to the NEAX2400 IMS VMM, when a called station is busy or not answering.	0 1 ◀	To provide Not provided
374	Send ISDN CPN (BN) over CCIS to Remote PBX-First 8 digits of CPN (BN) are sent.	0 1 ◀	Available Not available
376	When a forwarded call is terminated to the VMS via CCIS, whether Message Waiting service from the VMS is provided for the called station.	0 1 ◀	To provide Not provided
377	Sending of station number and office number of calling party to SMDR on tandem calls.	0 1 ◀	Send Not send

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
378	Centralized Billing-CCIS feature for local office INITIAL	0 1 ◀	To provide (for local office) Not provided (for centralized office, MP Reset)
379	Maximum number of dialed digits sent to CCIS network (Tandem calls over 16 digits and name display)	0 1 ◀	24 digits 16 digits
380	Interval of ringer until detecting a ringing frequency from the Main PBX (Centrex). (Ringing is sent from Multiline Terminal until detection of the ringing frequency.)	0 1 ◀	As per the data CM08-381 As per the data CM35 YY=33
381	Interval of ringer until detecting a ringing frequency PBX (Centrex). (Ringing is sent from Multiline Terminal until detection of the ringing frequency.) Effective only when the 2nd data of CM08 - 380 is 0.	0 1 ◀	No Ringer Ringing Tone (0.5 sec.) is sent once.
382	Lamp indication of Multiline Terminal until detecting the kind of incoming call from Main PBX (Centrex). (Lamp is lit until detection of ringing frequency.)	0 1 ◀	Red Steady Light 120 IPM Flash (As per the data CM35 YY = 32)
386	Allow or restrict ability to set Call Forwarding-All Calls/Busy Line/No Answer-Outside or Split Call Forwarding-All Calls/Busy Line/No Answer-Outside	0 1 ◀	Restricted Allow
387	The Call Forwarding-All Calls/Busy Line/No Answer-Outside or Split Call Forwarding-All Calls/Busy Line/ No Answer-Outside feature checks the trunk restriction class of the forwarded station.	0 1 ◀	This feature follows setting station class No check
388	Holding/held party control for music on hold Tenant basis.	0 1 ◀	Held party control (tenant) Holding party control (tenant)
390	Multiline Terminal Tone Ringer Selection. INITIAL	0 1 ◀	By pressing FNC key and dialing 3 Note 3 By System Data (CM15 - 83, 94, CM35-34) Note 4
391	Lamp Indication on Multiline Terminal INITIAL	0 1 ◀	Special Standard
400	Sending out of 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 YY = 02/03
403	Timing start when making an ISDN call from an ATTCON.	0 1 ◀	Not available Available

COMMAND CODE		TITLE:																					
08		BASIC SERVICE FEATURES																					
◀ : Initial Data																							
BASIC SERVICE FEATURE		SETTING DATA																					
405	Consecutive Speed Dialing when making an ISDN call.	0 1 ◀	Available Not available																				
424	Method of charging a transferred call (for use with CP03 (MP) only)	0 1 ◀	Charging to the transferring station or the transfer destination station. Split charging to both the transferring station and transfer destination station.																				
425	Charging to the transfer destination station or the transferring station (for use with CP03 (MP) only)	0 1 ◀	Charging to the transferring station. Charging to the transfer destination station.																				
Shown below are stations to which call charging is to be made in the case of various transfer patterns.																							
<table border="1"> <thead> <tr> <th>Transfer Patterns</th> <th>CM08-424=1</th> <th>CM08-424=0 CM08-425=1</th> <th>CM08-424=0 CM08-425=0</th> </tr> </thead> <tbody> <tr> <td>Call transfer from STA A to STA B</td> <td>Split charging to STA A and STA B</td> <td>STA B</td> <td>STA A</td> </tr> <tr> <td>Call transfer from a station (STA) to ATTCON</td> <td>STA</td> <td>STA</td> <td>STA</td> </tr> <tr> <td>Call transfer from ATTCON to a station (STA)</td> <td>STA</td> <td>STA</td> <td>STA</td> </tr> <tr> <td>Call transfer from ATTCON A to ATTCON B</td> <td>Split charging to ATTCON A and ATTCON B</td> <td>ATTCON B</td> <td>ATTCON A</td> </tr> </tbody> </table>				Transfer Patterns	CM08-424=1	CM08-424=0 CM08-425=1	CM08-424=0 CM08-425=0	Call transfer from STA A to STA B	Split charging to STA A and 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
Transfer Patterns	CM08-424=1	CM08-424=0 CM08-425=1	CM08-424=0 CM08-425=0																				
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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																				
426	SMDR for incoming call if the account code is not entered (for use with CP03 (MP) only) Note: When this data is assigned to 1, SMDR for incoming call is not provided even if CM13YY=05 and CM35 YY=49 is 0 (To be provided).	0 1 ◀	To provide Not provided																				
427	Sending additional DTMF signals when called station answers, if assigning station number + additional DTMF signals to One-Touch key on a Multiline Terminal	0 1 ◀	To send Not sent																				
428	VMS transfer from ATTCON, if Camp-On is set and not answered	0 1 ◀	To provide Not provided																				
430	Sending out of Calling Party Subaddress to an ISDN network when making a call from an ISDN Terminal	0 1 ◀	To send (Depend on CM08-431) Not sent																				
431	Assignment of Calling Party Subaddress to an ISDN network when making a call from an ISDN Terminal	0 1 ◀	ISDN Circuit Station No. assigned by CM10 ISDN Terminal No.																				

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀: Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
432	Forced release when a called ISDN Terminal is no answer during 3 minutes	0 1 ◀	Not available Available
434	Assignment of the calling party number which is sent to an ISDN network when making a call from ISDN Terminal	0 1 ◀	Calling Party No. entered in ISDN Terminal Calling Party No. assigned by CM12 YY= 12/13
441	Recall display on the SN610 ATTCON.	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 ◀	VMS with MCI VMS with PB signaling
444	Message waiting lamp control from VMS with MCI to all stations. Note: <i>Message Waiting lamp control is only available to the stations in the opposite PBX connected with the CCIS via MCI. Station dialing MW access codes are not allowed over CCIS.</i>	0 1 ◀	Available Not available
445	Enable depressing the Paging key on SN610 ATTCON when the ATTCON is in idle.	0 1 ◀	Available Not available
448	When the Multiline Terminal 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 Forward – No Answer set over CCIS 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 function 01
450	Fault Information Storing	0 1 ◀	Not performed To perform
451	Processing at the time of the 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
460	Transfer a trunk call into an ACD group from a station or SN610 ATTCON. Note: <i>This command is used for NEAX MIS 3.XX or 4.XX only.</i>	0 1 ◀	Allowed Not allowed
461	Sending of SMFN when answering a held call.	0 1 ◀	Sent Not sent

COMMAND CODE	TITLE: BASIC SERVICE FEATURES
08	

◀ : Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
462	Sending ANI/Caller ID/CPN to the OAI terminal.	0 1 ◀	Available Not available
463	Sending ANI/Caller ID/CPN to the SMDR terminal.	0 1 ◀	Available Not available
464	OAI-TSAPI SCF1 facility	0 1 ◀	Same as NEAX2400 (recommended setting) SMFN Off-Hook indication sent
472	Requiring ANI Signal/Caller ID from network when an incoming call terminates.	0 1 ◀	Available Not available
474	Enhanced 911	0 1 ◀	Provided Not provided
475	Sending of Sender Tone when originating (For Enhanced 911)	0 1 ◀	Sent Not sent

Note 1: *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 tone(s), 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.*

Note 2: *These features are required for the Hotel Printer. For detailed information, refer to the Hotel System Manual.*

Note 3: *CM08-262 must be made available to allow the ring test tone to be heard when using the "FNC+3" operation.*

Note 4: *When the ring tone 600+700 (Hz) is specified in CM15 YY=83, 84 and/or CM35 YY=34, the ring tone selection key of Multiline Terminal is ineffective.*

COMMAND CODE	TITLE:														
09	ADDITIONAL SERVICE FEATURES		INITIAL												
<p>1. FUNCTION:</p> <p>This command is used to assign additional features on a system-wide basis.</p>															
<p>2. PRECAUTION:</p> <p>None</p>															
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 09 + DE + ADDITIONAL SERVICE FEATURE (2 digits) + DE + DATA (0/1) (2 digits) + EXE </p>															
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">ADDITIONAL SERVICE FEATURE</th> <th colspan="2" style="text-align: center;">SETTING DATA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">52</td> <td>MF Signaling/Enhanced 911</td> <td style="text-align: center;">0 ◀ 1</td> <td>To provide Not provided</td> </tr> <tr> <td style="text-align: center;">53</td> <td>No. 7 CCIS</td> <td style="text-align: center;">0 1 ◀</td> <td>To provide Not provided</td> </tr> </tbody> </table>				ADDITIONAL SERVICE FEATURE		SETTING DATA		52	MF Signaling/Enhanced 911	0 ◀ 1	To provide Not provided	53	No. 7 CCIS	0 1 ◀	To provide Not provided
ADDITIONAL SERVICE FEATURE		SETTING DATA													
52	MF Signaling/Enhanced 911	0 ◀ 1	To provide Not provided												
53	No. 7 CCIS	0 1 ◀	To provide Not provided												

COMMAND CODE		TITLE:
MAT	10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER
<p>1. FUNCTION:</p> <p>This command is used to assign Station Numbers, Trunk Numbers, and Card Numbers to LENS (Line Equipment Numbers).</p>		
<p>2. PRECAUTION:</p> <p>(1) When deleting a Station Number (Single Line or Multiline Terminal), be sure to delete Call Pickup data (CM 16), UCD Group data (CM17) and Station Hunting Group data (CM18) in advance.</p> <p>(2) When assigning the PN-8RSTA (PBR) card (E200–E215), the PN-CFTA card (ED00-ED03) and the ISDN Circuit (EFX-EFxxxx), a system reset is required after setting the data.</p> <p>(3) This command is included in MAT mode menu “A1” (Station Number & Class [COM01]) and “B1” (Trunk number & data [COM01]), and “E10” [Miscellaneous Card (COM02)].</p> <p>(4) Data Station Numbers are assigned by CM1A.</p>		
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 10 + \boxed{\text{DE}} + \text{LEN} + \boxed{\text{DE}} + \frac{\text{STATION}}{\text{NUMBER}} \Big/ \frac{\text{TRUNK}}{\text{DATA}} \Big/ \frac{\text{CARD}}{\text{NUMBER}} + \boxed{\text{EXE}}$ <p style="text-align: center;">(4 digits) (1- 5 digits)</p>		

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

4. DATA TABLE:

LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
0000 ∩ 0511	x xx xxx xxxx	Single Line Station Number (1-4 digits) x=0-9, A (*), B (#) Note: When assigning a 5-digits station, assign the last four digits in CM10.	
C100 ∩ C163		Card number of AMP Trunk (PN-2AMPA) When installed in PIM 0/1C100-C115 When installed in PIM 2/3C116-C131 When installed in PIM 4/5C132-C147 When installed in PIM 6/7C148-C163 (Maximum of 16 circuits per FP, 64 circuits per system.	CM38
D000 ∩ D255		Trunk Number (C.O./Tie Line, Paging, Radio Paging) • For 4COT. . . 64 circuits (maximum) per PIM • For 2COT/2ODT/AUC . . . 32 circuits (maximum) per PIM • For TNT (BGM) . . . 10 circuits (maximum) per system	CM30
DA00 ∩ DA09		Circuit Number of External Hold Tone Interface (0-9) for Music On Hold (PN-TNTA/PN-4COT)	CM44 CM48
DB00		Card Number for Interface of an External Announcement Machine for Wake-Up Service	CM44 CM48
E000 ∩ E007		ATTCON Number (0-7)	CM90 CM60
E100 ∩ E131		DSS Console Number (00-31) When installed in PIM 0/1E100-E107 When installed in PIM 2/3E108-E115 When installed in PIM 4/5E116-E123 When installed in PIM 6/7E124-E131 Note: The same number (the last two digits of the data) should not be used, for both a DSS Console and Add-On Module.	CM96 CM97
E200 ∩ E215		Card Number of DTMF Receiver (PN-8RST A) INITIAL When installed in PIM 0/1E200-E203 When installed in PIM 2/3E204-E207 When installed in PIM 4/5E208-E211 When installed in PIM 6/7E212-E215 (Maximum of 32 DTMF Receivers [8 cards] can be assigned within a system).	CM45 Y = 0, 1

COMMAND CODE		TITLE:	
MAT	10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER	
LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
0124	E200 ? E203	Circuit Number of DTMF Receiver (PN-CP03) INITIAL	
0000 ? 0511	E600 E663	TAS Equipment Interface activated by Station Ringer. (Use of LC card)	CM30 YY = 13, 14, 17
	E800 E831	Card Number of External Equipment Interface (PN-DK00) When installed in PIM 0/1E800-E807 When installed in PIM 2/3E808-E815 When installed in PIM 4/5E816-E823 When installed in PIM 6/7E824-E831	CM44
	E900 E963	Card Number of External Key Interface (PK-DK00) When installed in PIM 0/1E900-E915 When installed in PIM 2/3E916-E931 When installed in PIM 4/5E932-E947 When installed in PIM 6/7E948-E963	CM61
	EB000 EB127	Circuit Number of Digital Announcement Trunk (PN-2DATA) When installed in PIM 0/1EB000-EB031 When installed in PIM 2/3EB032-EB063 When installed in PIM 4/5EB064-EB095 When installed in PIM 6/7EB096-EB127	CM30 CM49
	EC00 EC31	Add-On Module Number (for ETJ-24DS-1) When installed in PIM 0/1EC00-EC07 When installed in PIM 2/3EC08-EC15 When installed in PIM 4/5EC16-EC23 When installed in PIM 6/7EC24-EC31 Note: <i>The same number (last two digits of data) should not be used for both a DSS Console and Add-On Module</i>	CM90
	ED00 ED03	Card Number of Conference Trunk (PN-CFTA) INITIAL	CM15 YY = 69
	FX FXX FXXX FXXXX	Multiline Terminal Number <X-XXXX> represents Primary Extension Number X = 0-9, A(*), B(#) Note: <i>The total of multiline terminal numbers and virtual station numbers can only equal 512, maximum.</i>	CM90
	EE3XXX	ZT Number (XXX = 000 – 255) ZT Number must be assigned to the first LEN (Level 0) and/or third LEN (Level 2) of each LT slot.	CMAD

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

LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMAND
	DATA	MEANING OF DATA	
0000 ? 0511	EFX EFXXXX	ISDN Circuit Station Number <X-XXXX> represents ISDN Circuit Station Number X : 0-9, A(*), B(#)	INITIAL

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

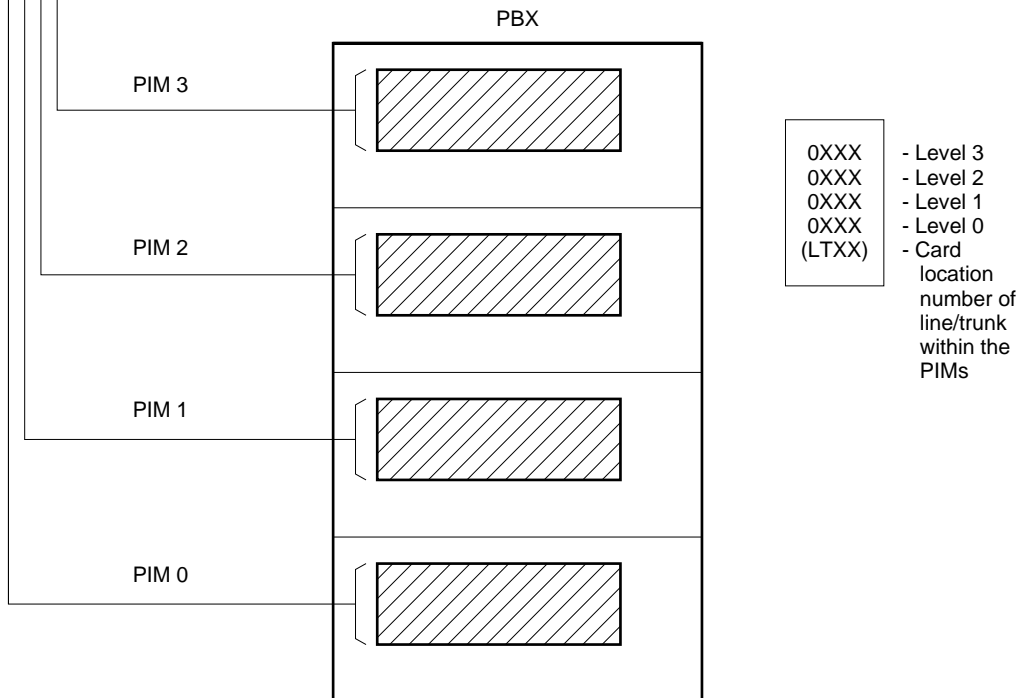
- The relation between the locations of the card and the LENS (0000–0511) is shown below.

0195	0199	0203	0207	0211	0215	0219	0223	0227	0231	0235	0239	0243	0247	0251	0255
0194	0198	0202	0206	0210	0214	0218	0222	0226	0230	0234	0238	0242	0246	0250	0254
0193	0197	0201	0205	0209	0213	0217	0221	0225	0229	0233	0237	0241	0245	0249	0253
0192	0196	0200	0204	0208	0212	0216	0220	0224	0228	0232	0236	0240	0244	0248	0252
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0131	0135	0139	0143	0147	0151	0155	0159	0163	0167	0171	0175	0179	0183	0187	0191
0130	0134	0138	0142	0146	0150	0154	0158	0162	0166	0170	0174	0178	0182	0186	0190
0129	0133	0137	0141	0145	0149	0153	0157	0161	0165	0169	0173	0177	0181	0185	0189
0128	0132	0136	0140	0144	0148	0152	0156	0160	0164	0168	0172	0176	0180	0184	0188
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0067	0071	0075	0079	0083	0087	0091	0095	0099	0103	0107	0111	0115	0119	0123	0127
0066	0070	0074	0078	0082	0086	0090	0094	0098	0102	0106	0110	0114	0118	0122	0126
0065	0069	0073	0077	0081	0085	0089	0093	0097	0101	0105	0109	0113	0117	0121	0125
0064	0068	0072	0076	0080	0084	0088	0092	0096	0100	0104	0108	0112	0116	0120	0124
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0003	0007	0011	0015	0019	0023	0027	0031	0035	0039	0043	0047	0051	0055	0059	0063
0002	0006	0010	0014	0018	0022	0026	0030	0034	0038	0042	0046	0050	0054	0058	0062
0001	0005	0009	0013	0017	0021	0025	0029	0033	0037	0041	0045	0049	0053	0057	0061
0000	0004	0008	0012	0016	0020	0024	0028	0032	0036	0040	0044	0048	0052	0056	0060
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)



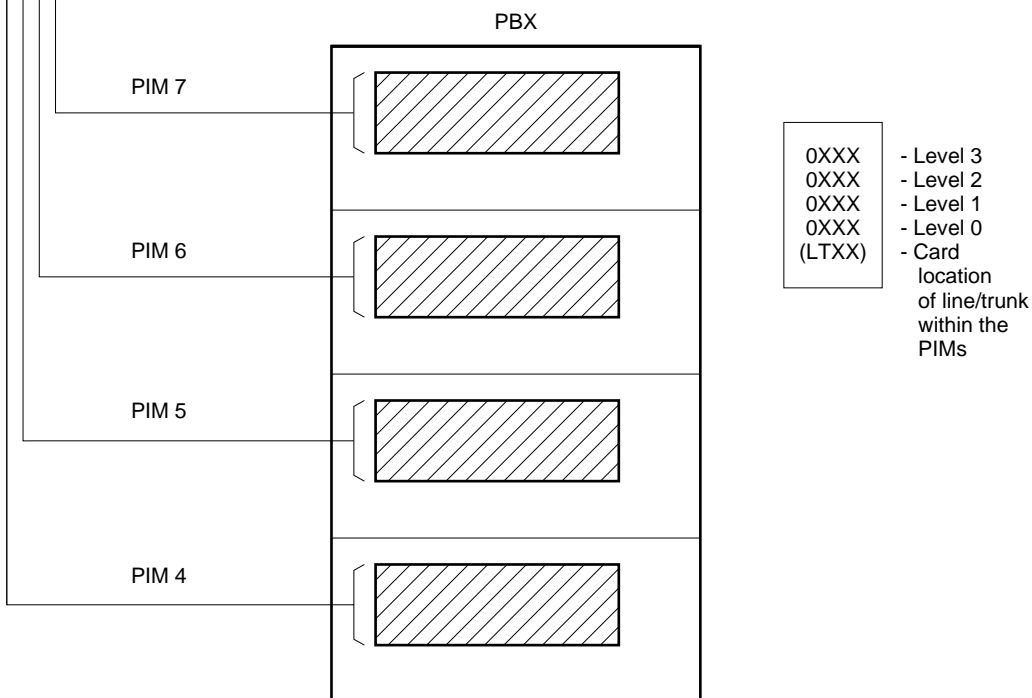
COMMAND CODE	TITLE: STATION NUMBER, TRUNK NUMBER, CARD NUMBER
MAT 10	

0451	0455	0459	0463	0467	0471	0475	0479	0483	0487	0491	0495	0499	0503	0507	0511
0450	0454	0458	0462	0466	0470	0474	0478	0482	0486	0490	0494	0498	0502	0506	0510
0449	0453	0457	0461	0465	0469	0473	0477	0481	0485	0489	0493	0497	0501	0505	0509
0448	0452	0456	0460	0464	0468	0472	0476	0480	0484	0488	0492	0496	0500	0504	0508
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0387	0391	0395	0399	0403	0407	0411	0415	0419	0423	0427	0431	0435	0439	0443	0447
0386	0390	0394	0398	0402	0406	0410	0414	0418	0422	0426	0430	0434	0438	0442	0446
0385	0389	0393	0397	0401	0405	0409	0413	0417	0421	0425	0429	0433	0437	0441	0445
0384	0388	0392	0396	0400	0404	0408	0412	0416	0420	0424	0428	0432	0436	0440	0444
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0323	0327	0331	0335	0339	0343	0347	0351	0355	0359	0363	0367	0371	0375	0379	0383
0322	0326	0330	0334	0338	0342	0346	0350	0354	0358	0362	0366	0370	0374	0378	0382
0321	0325	0329	0333	0337	0341	0345	0349	0353	0357	0361	0365	0369	0373	0377	0381
0320	0324	0328	0332	0336	0340	0344	0348	0352	0356	0360	0364	0368	0372	0376	0380
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)

0259	0263	0267	0271	0275	0279	0283	0287	0291	0295	0299	0303	0307	0311	0315	0319
0258	0262	0266	0270	0274	0278	0282	0286	0290	0294	0298	0302	0306	0310	0314	0318
0257	0261	0265	0269	0273	0277	0281	0285	0289	0293	0297	0301	0305	0309	0313	0317
0256	0260	0264	0268	0272	0276	0280	0284	0288	0292	0296	0300	0304	0308	0312	0316
(LT00)	(LT01)	(LT02)	(LT03)	(LT04)	(LT05)	(LT06)	(LT07)	(LT08)	(LT09)	(LT10)	(LT11)	(LT12)	(LT13)	(LT14)	(LT15)



COMMAND CODE	TITLE: VIRTUAL-LINE NUMBER
(MAT) 11	

1. FUNCTION:

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

2. PRECAUTION:

- (1) The Virtual-Line station numbers must be different from station numbers assigned by CM10.
- (2) The virtual LENs (Line Equipment Numbers) have no relationship with the LENs used in CM10. Therefore, any virtual LENs can be assigned to each Virtual-Line station number.
- (3) The following station data can be assigned to the Virtual-Line station numbers:
 - Station Class-1 (CM12)
 - Station Class-2 (CM13)
 - Call Pickup Group (CM16)
- (4) This command is included in MAT mode menu "A1" (Station number & Class [COM01]).

3. ASSIGNMENT PROCEDURE:

$$\boxed{ST} + 11 + \boxed{DE} + \begin{matrix} \text{Virtual} \\ \text{LEN} \\ (4 \text{ digits}) \end{matrix} + \boxed{DE} + \begin{matrix} \text{VIRTUAL-LINE} \\ \text{NUMBER} \\ (1-4 \text{ digits}) \end{matrix} / \begin{matrix} \text{INTERCOM} \\ \text{NUMBER} \\ (4 \text{ digits}) \end{matrix} + \boxed{EXE}$$

4. DATA TABLE:

VIRTUAL LEN	VIRTUAL-LINE NUMBER		RELATED COMMAND
0000 ? 0255	X ? XXXX	Station Number (1-4 digits) X = 0-9, A(*), B(#) Note: <i>The total of multiline terminal numbers and virtual station numbers can only equal 512, maximum.</i>	CM20 CM90
	A000 ? A031 A100 ? A131	Automatic Intercom Number (Refer to Note 1) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <u>AX</u> | └── 0/1 to be made one pair </div> <div style="text-align: center;"> <u>XX</u> | └── Automatic Intercom Group No. (00-31) </div> </div>	CM12 YY = 03 CM56 YY = 10 CM90

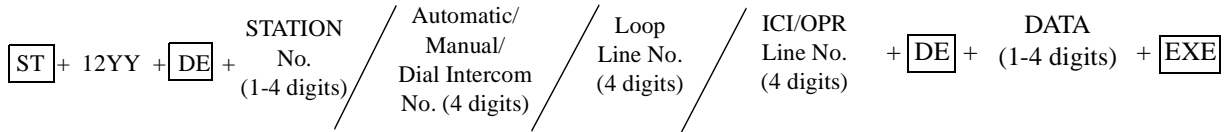
COMMAND CODE		TITLE:	
MAT 11		VIRTUAL-LINE NUMBER	
VIRTUAL LEN	VIRTUAL-LINE NUMBER		RELATED COMMAND
0000 ? 0255	A200 ? A700 A201 ? A701 : A224 ? A724	Manual Intercom Number (Refer to Note 2) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <u>AX</u> | └─ Sequential Number in Group (2-7) </div> <div style="text-align: center;"> <u>XX</u> | └─ Manual Intercom Group No. (00-24) </div> </div>	CM12 YY = 03 CM56 YY = 11 CM90
	B000 ? B900 B001 ? B901 : B024 ? B924	Dial Intercom Number (Refer to Note 3) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <u>BX</u> | └─ Intercom Station Number (0-9) </div> <div style="text-align: center;"> <u>XX</u> | └─ Dial Intercom Group No. (00-24) </div> </div>	CM12 YY = 03 CM56 YY = 12 CM90
	AA01 ? AA05 AA11 ? AA15 : AA71 ? AA75	Loop Line Number for Multiline Terminal Attendant Position (Refer to Note 4) <div style="display: flex; justify-content: center; align-items: center;"> <div style="text-align: center;"> <u>AA X X</u> | └─ Loop Number (1-5) </div> <div style="text-align: center; margin-left: 20px;"> <u>X X</u> | └─ Attendant Position Number (0-7) </div> </div>	CM12 YY = 03 CM90
	AB00 ? AB99	ICI/OPR Line Number for Multiline Terminal Attendant Position	CM12 YY = 02 CM15 YY = 73 CM17 Y = 1, 2 CM90 YY = 00
	CX ? CXXXX	Virtual-Line Station Number for Off-hook Voice Announcement X-XXXX: Primary Extension No. of Multiline Terminal	CM13 YY=28 CM90 YY=00

COMMAND CODE	TITLE:	
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> 11	VIRTUAL-LINE NUMBER	
<p>Note 1: <i>Automatic Intercom Numbers are assigned as shown below:</i></p>		
AUTOMATIC INTERCOM GROUP	AUTOMATIC INTERCOM No.(A)	AUTOMATIC INTERCOM No.(B)
00	A000	A100
01	A001	A101
31	A031	A131
<p>Note 2: <i>Manual Intercom Numbers are assigned as shown below:</i></p>		
MANUAL INTERCOM GROUP	INTERCOM NUMBER	
00	A200, A300, A400, A500, A600, A700	
01	A201, A301, A401, A501, A601, A701	
24	A224, A324, A424, A524, A624, A724	
<p>Note 3: <i>Dial Intercom Numbers are assigned as shown below:</i></p>		
DIAL INTERCOM GROUP	INTERCOM NUMBER	
00	B000, B100, B200, B900	
01	B001, B101, B201, B901	
24	B024, B124, B224, B924	
<p>Note 4: <i>Loop Line Numbers are assigned as shown below:</i></p>		
ATTENDANT POSITION	LOOP LINE NUMBER	
0	AA01, AA02, AA03, AA04, AA05	
1	AA11, AA12, AA13, AA14, AA15	
7	AA71, AA72, AA73, AA74, AA75	

COMMAND CODE		TITLE:												
MAT 12		STATION CLASS-1												
1. FUNCTION:														
The features for each station are determined by assigning Station Class-1 to each station number.														
2. PRECAUTION:														
(1) When assigning Station Class-1 to Multiline Terminal using this command, enter “X-XXXX (Primary Extension Number)” of FX-FXXXX, which is assigned by CM10, as the first data.														
(2) This command is included in MAT mode menu “A1” (Station Number & Class [COM01]).														
(3) The following table shows data for Single Line Station Number, Primary Extension Number of Multiline Terminal, Virtual-Line Station Number, Data Station Number, Automatic/Manual/Dial Intercom Number, Loop Line Number and ICI/OPR Line Number														
														x : To assign - : Not to assign
STATION NUMBER \ YY	00	01	02	03	04	05	07	12	13	16	17	22	23	
Single line station number (Assigned by CM10)	X	X	X	X (X)	X	X (X)	-	X	X	X	-	-	-	
Primary Extension number of Multiline Terminal (Assigned by CM10)	-	X	X	X (X)	X	- (-)	X	X	X	X	X	X	X	
Virtual-line Station Number of Multiline Terminal (Assigned by CM11)	-	X	X	X (X)	X	- (-)	-	X	X	X	-	-	-	
Data Station Number (Assigned by CM1A)	-	X	X	X (-)	X	- (-)	-	X	X	-	-	-	-	
Automatic Intercom Number (Assigned by CM11)	-	-	-	X (-)	-	- (-)	-	-	-	-	-	-	-	
Manual Intercom Number (Assigned by CM11)	-	-	X	X (-)	-	- (-)	-	-	-	-	-	-	-	
Dial Intercom Number (Assigned by CM11)	-	-	X	X (-)	-	- (-)	-	-	-	-	-	-	-	
Loop Line Number for Multiline Terminal Attendant Position (Assigned by CM11)	-	-	-	X (-)	-	- (-)	-	-	-	-	-	-	-	
ICI/OPR Line Number for Multiline Terminal	-	-	X	X (-)	-	- (-)	-	-	-	-	-	-	-	
() : “FAX Incoming Call Lamp Indication” only														

COMMAND CODE	TITLE:
MAT 12	STATION CLASS-1

3. ASSIGNMENT PROCEDURE:



4. DATA TABLE:

◀: Initial Data

YY		SETTING DATA			
No.	MEANING	DATA	MEANING		
00 (PB/DP)	DTMF or DP (This data setting is not required for a Multiline Terminal)	1 2 3◀	DP DTMF DP / DTMF		
01 (RSCA RSCB)	Trunk Restriction Class	XX 11◀	<p style="text-align: center;"> X X Night Trunk Restriction Class Day Trunk Restriction Class </p> <p>Contents of Day/Night Trunk Restriction Class</p> <table style="width: 100%;"> <tr> <td style="width: 70%;"> 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) </td> <td style="width: 30%; vertical-align: middle;"> Restriction of Connection Trunk: CM35 YY=51-58 YY=61-68 Toll Restriction: CM81, CM8A </td> </tr> </table>	1: Unrestricted (RCA) 2: Non-Restricted 1 (RCB) 3: Non-Restricted 2 (RCC) 4: Semi-Restricted 1 (RCD) 5: Semi-Restricted 2 (RCE) 6: Restricted 1 (RCF) 7: Restricted 2 (RCG) 8: Fully-Restricted (RCH)	Restriction of Connection Trunk: CM35 YY=51-58 YY=61-68 Toll Restriction: CM81, CM8A
1: Unrestricted (RCA) 2: Non-Restricted 1 (RCB) 3: Non-Restricted 2 (RCC) 4: Semi-Restricted 1 (RCD) 5: Semi-Restricted 2 (RCE) 6: Restricted 1 (RCF) 7: Restricted 2 (RCG) 8: Fully-Restricted (RCH)	Restriction of Connection Trunk: CM35 YY=51-58 YY=61-68 Toll Restriction: CM81, CM8A				
02 (SFCA SFCB)	Service Restriction Class A•B	XXXX 1515◀	<p style="text-align: center;"> XX XX Service Restriction Class B (00-15) Service Restriction Class A (00-15) </p> <p>Note: The features available in each class are programmed in CM15 YY = 00-49, YY = 53-73.</p>		

COMMAND CODE		TITLE:	
MAT 12		STATION CLASS-1	
◀: Initial Data			
YY		SETTING DATA	
No.	MEANING	DATA	MEANING
03 (TEL)	Kind of Telephone	00	House Phone 0
		01	House Phone 1
		02	House Phone 2
		03	House Phone 3
		00	FAX Call Station Group No. 0
		01	FAX Call Station Group No. 1
		02	FAX Call Station Group No. 2
		03	FAX Call Station Group No. 3
		04	Hot Line (See CM52 YY = XX: Calling Side [0])
		05	Automatic Intercom (See CM11, CM56 YY = 10)
		06	Manual Intercom (See CM11, CM56 YY = 11)
		07	Dial Intercom (See CM11, CM56 YY = 12)
		08	Multiline Terminal Attendant Position Loop Lines (See CM11)
		15	Ordinary Station (Other than data 00-08)
		04 (TENT)	Tenant	00	Tenant 00
		01	01
		?	?
		63	Tenant 63
			Note: When Tenant service is not provided, setting of this data is not necessary. The data is automatically set to 01.
05 (LNKD)	Accommodation of single line telephone to Multiline Terminal (Assignment for single line telephone only)	0	Accommodated
		1	Not accommodated (see CM90 YY = 00)
			Note: This command setting is required when SLT LENs are assigned to multiline keys.
	Accommodation of FAX Call Station to Multiline Terminal	0	Accommodated
		1	Not accommodated
			Note: When FAX Call Station No. is used for an ordinary telephone, this command assignment is required.
07 (SFCC)	Service Restriction Class C	XX	<u>XX</u>
		15	Service Restriction Class C (00-15) (◀)
			Note: The features available in each Class are programmed in CM15 YY = 80-98.
12 (ISUBN)	Assignment of ISDN Subscriber's Number/Sending Number	X ? XXXX	ISDN Subscriber's Number (For calling number display service)/Sending number for Enhanced 911
13 (ILOCT)	Local Office Code Table (See CM50 YY = 05)	00	Local Office Code Table Number 00
		?	?
		14	Local Office Code Table Number 14
		15	Not assigned

COMMAND CODE	TITLE:
(MAT) 12	STATION CLASS-1

◀: Initial Data

YY		SETTING DATA	
No.	MEANING	DATA	MEANING
16 (PVTRK)	Trunk to be seized as a Private Line on a per station basis	D000 ? D255	} Trunk Number Related Commands: CM35 YY=98, CM42-08
	Combination of the main station and sub station for Number Sharing	X ? XXXX		Main Station Number/Sub Station Number Note 5, Note 6
17	Kind of Multiline Terminal accommodated in DLC Card (INITIAL) Note 2, Note 3	0 1 3 ◀	Series III mode Elite mode Series E mode
22	Multiline Terminal Soft Keys Note 4	0 1 ◀	Available Not available
23	Multiline Terminal Soft Key Pattern Number	0 1 2 3 ◀	Pattern Number 0 Pattern Number 1 Pattern Number 2 Pattern Number 3

- Note 1:** This command setting is required when Designation of FAX Station CM51 YY=14 is utilized.
- Note 2:** For PN-4DLCD or 4DLCA cards, this data must be assigned to first LEN (Level 0) of each 4-port DLC card.
For PN-8DLCJ cards, this data must be assigned to first (Level 0) and fifth (Level 4) LENS of each 8-port card.
For D^{term} II (4-wire DLCs), this data is not required.
- Note 3:** This data must be assigned in the following conditions:
- When accommodating Elite
 - When accommodating Series E with Series III mode
- Note 4:** This assignment is only effective when CM12 YY=17 is set to Series E mode "3".
- Note 5:** Assign the data as follows:
- ┌ 1st data: Main station (D^{term} Primary Extension)
 - └ 2nd data: Sub station (PS)
 - ┌ 1st data: Sub station (PS)
 - └ 2nd data: Main station (D^{term} Primary Extension)
- Note 6:** As the main station number, D^{term} Primary Extension number must be assigned.
As the sub station number, the station number assigned to the LC that connects to the Wireless system, must be assigned.

COMMAND CODE	TITLE:
MAT 12	STATION CLASS-1

1st LEN (Level 0) Note 1	2nd through 4th LEN (Level 1-3) Note 2	X: Available -: Not available
Series E (Series E mode)/Series III/E-Pro	Series E (Series E mode)/Series III/E-Pro	X
Series E (Series E mode/Series III mode)	ATTCON/DSS Console	X
ATTCON/DSS Console	Series E (Series E mode)/Series III/ E-Pro/ ATTCON/DSS Console	X
Series E (Series III mode)	Series III/E-Pro/ATTCON/DSS Console	X
Elite	Series E (Series E mode/Series III mode)/ Series III/E-Pro/ATTCON/DSS Console	-
Series E (Series E mode/Series III mode)/Series III/E-Pro/ATTCON/DSS Console	Elite	-

Note 1: *Level 0 for 4DLC cards, Level 0 and Level 4 for 8DLC (8 port) cards.*

Note 2: *Level 1 - 3 for 4DLC (4 port) cards.
Levels 1 - 3 and 5 - 7 for 8DLC (8 port) cards.*

COMMAND CODE	TITLE: STATION CLASS-2
(MAT) 13	

1. FUNCTION:

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

2. PRECAUTION:

- (1) When assigning Station Class-2 to a Multiline Terminal by this command, enter “X-XXXX (Primary Extension Number)” of FX-FXXXX, which is assigned by CM10, as the first data.
- (2) When a station has been set as an analog data station (YY=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.
 - Camp-on is restricted.
 - Ringing interval is fixed to 1 sec. ON-2 sec. OFF.
- (3) This command is included in MAT mode menu “A1” (Station number & Class [COM01]).
- (4) The data for a Single Line Station Number, Primary Extension Number of a Multiline Terminal, Virtual-Line Station Number and Data Station Number are in the following table.

STATION NUMBER \ YY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	21	22	28	29	32	33	34	35
Single line station number (Assigned by CM10)	×	×	×	×	×	×	×	×	×	×	×	-	×	×	×	×	×	×	-	×	-	-	-	-
Primary Extension number of Multiline Terminal (Assigned by CM10)	×	×	×	×	×	×	×	×	×	-	×	-	×	×	×	×	×	-	×	×	×	×	×	×
Virtual-line Station Number of Multiline Terminal (Assigned by CM11)	-	-	-	-	-	×	×	-	-	-	×	×	×	×	×	×	×	-	-	×	-	-	-	-
Data Station Number (Assigned by CM1A)	-	-	-	-	-	×	×	-	-	-	-	-	-	-	×	×	-	-	-	-	-	-	-	-

×: To assign
-: Not assigned

COMMAND CODE	TITLE: STATION CLASS-2
(MAT) 13	

3. ASSIGNMENT PROCEDURE:

ST + 13YY + DE + STATION NUMBER + DE + DATA (1 digit) + EXE
 (1-4 digits)

4. DATA TABLE:

◀: Initial Data

YY		SETTING DATA	
No.	MEANING	DATA	MEANING
00 (DNDS)	Do Not Disturb-System	0 1 ◀	To provide Not provided
01 (RCOF)	Room Cut Off-System	0 1 ◀	To provide Not provided
02 (OFAL)	Off-Hook Alarm	0 1 ◀	To provide (CM51 YY = 12) Not provided
03 (MSGW)	Message Waiting Service/Message Reminder Service	0 1 ◀	To provide (For station with MW lamp) Not provided
04 (HOWLR)	Howler tone automatic sending function	0 1 ◀	Not provided To provide] See CM08 – 153
05 (SMDSI)	SMDR/Centralized Billing-CCIS for incoming call	0 1 ◀	To provided Not provided] See CM35 YY = 49
06 (SMDSO)	SMDR/Centralized Billing-CCIS for outgoing call	0 1 ◀	Not provided To provide] See CM35 YY = 14
07 (DL)	Analog Data Station (Fax, Modem, etc.) or Ordinary Station	0 1 ◀	Data Station Ordinary Station
08 (MRNG)	To send (or not to send) a ringing signal to single line telephone accommodated on a multiline of Multiline Terminal	0 1 ◀	Don't send ringing signal Send ringing signal] See CM12 YY = 05
09 (PAD)	Station PAD for LC	0 1 ◀	Without PAD With PAD (6 dB)
10 (VMSST)	Ordinary Station or VMS Station Note: Set to 0 for Pilot and VM station.	0 1 ◀	VMS Station (CM41 Y = 0, Function No. 44, 48, 49; CM50 YY = 00) Ordinary Station
11 (AICM)	BLF for Automatic Intercom Busy Indication	0 1 ◀	To provide Not provided
12 (SEC)	Secretary Station (Boss Secretary Transfer/Override)	0 1 ◀	Secretary Station Ordinary Station or Boss Station

COMMAND CODE		TITLE:	
MAT 13		STATION CLASS-2	
◀: Initial Data			
YY		SETTING DATA	
13 (FRONT)	Ordinary Station or Front Station	0 1 ◀	Message Waiting Front Desk Instrument Ordinary Station Note: <i>MW Lamp of calling station is turned off when Message Waiting Front Desk Terminal answers (see CM08-233).</i>
14 (HNTA)	Station Hunting for incoming calls other than direct-in termination calls	0 1 ◀	Ineffective Effective
15 (HNTB)	Station Hunting for direct-in termination calls	0 1 ◀	Ineffective Effective
18	Reverse Signal Sending to Stations	0 1 ◀	To send Not sent
21 (VIP)	VIP Class for Executive Calling (Automatic Call Waiting)	0 1 ◀	To provide Not provided
22 (MOPN)	Momentary Open Note: <i>Assign VMS to 0.</i>	0 1 ◀	To provide (CM41 Y=1, Function No. 8) Not provided
23	Automatic Live Record Activation	0 1 ◀	Start automatically Not available
24	Ordinary station or NEAX Mail Digital Station	0 1 ◀	NEAX Mail Digital Port Ordinary D ^{term} Port
25 (CLIR)	Facility Control of Calling Line Identification Restriction (CLIR) for ISDN Call	0 1 ◀	To provide Not provided
28 (OHVA)	Off-Hook Voice Announcement INITIAL	0 1 ◀	To provide Not provided
29 (VFAX)	Designation of FAX Call Stations	0 1 ◀	FAX Call Station Ordinary Station
32	Connection of Analog Port Adapter	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 INITIAL	0 1 ◀	Station connected to Dual Port Mode of Analog Port Adapter Station not connected to Analog Port Adapter
35	To send (or not send) a ringing signal to the single line telephone connected to the Analog Port Adapter	0 1 ◀	Not send ringing signal Send ringing signal
39	Roaming service for virtual LC of a Visitor PS	0 1 ◀	Not send ringing signal Send ringing signal

COMMAND CODE	TITLE:
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> 15	SERVICE RESTRICTION CLASS
<p>1. FUNCTION:</p> <p>The restriction of each 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>2. PRECAUTION:</p> <p>This command is included in MAT mode menu “E11” (Service Restriction [COM02]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <div style="display: flex; align-items: center; justify-content: center; margin-top: 20px;"> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px 5px;">ST</div> + 15YY/YYY + <div style="border: 1px solid black; padding: 2px 5px;">DE</div> + </div> <div style="margin: 0 10px;"> SERVICE RESTRICTION CLASS A/B/C (00-15 : As assigned in CM12 YY=02, 07) </div> <div style="text-align: center;"> + <div style="border: 1px solid black; padding: 2px 5px;">DE</div> + DATA + <div style="border: 1px solid black; padding: 2px 5px;">EXE</div> </div> <div style="margin-left: 10px;"> 1 (digit) </div> </div>	

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS
MAT 15	

4. DATA TABLE:

YY/YYY		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
00	Call Forwarding – All Calls	00 ? 15	0	Restricted
01	Call Hold		1 ◀	Allow
02	Trunk Queueing – Outgoing			
03	Call Back			
04	Guest Name Display via PMS		0	Allow
			1 ◀	Restricted
05	Executive Override (Calling side)		0	Restricted
			1 ◀	Allow
06	System Speed Dialing			
07	Station Speed Dialing			
08	Paging Access (External Speaker and Radio)			
09	Executive Override/Busy Verification (Called side)			
10	Call Forwarding – No Answer			
11	Call Forwarding – Busy Line			
12	Call Forwarding – Busy Line/No Answer			
13	Wake Up Timed Reminder			
14	Call Pickup – Direct			
15	Call Forwarding – Destination			
16	Camp-On by Station (Transfer Method)			
17	Priority Call 0			
18	Priority Call 1			
19	Do Not Disturb from Station/Return Message Schedule			
20	Wake Up call assignment for guest station from predetermined station (serial setting for multiple stations with same time)			
21	Wake-up call assignment for guest station from predetermined station (serial setting for multiple stations with different time)			
22	Trunk to Trunk Transfer			

COMMAND CODE		TITLE:		
MAT 15		SERVICE RESTRICTION CLASS		
YY/YYYY		Service Class A	◀: Initial Data	
No.	MEANING	SERVICE REST. CLASS (A)	DATA	SETTING DATA MEANING
24	Message Waiting Lamp set/reset from the station	00 ?	0 1 ◀	Restricted Allow
25	Timed Queue	15		
26	Call Forwarding – All Calls – Outside			
27	Call Forwarding – No Answer – Outside			
28	Call Forwarding – Busy Line – Outside			
29	Call Forwarding – Busy Line – Outside/ No Answer – Outside			
30	Account Code			
31	Authorization Code/Forced Account Code			
32	BGM on Multiline Terminal			
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)			
40	Message Waiting Lamp Control from predetermined station or ATTCN			
41	Voice Message Waiting Service - System/Individual (Set/Cancel/Retrieve)			
42	Voice Message Waiting Service - System (Recording)			
43	Camp-On by Station (Call Waiting Method) (Set - Calling Side)			

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS
(MAT) 15	

YY/YYYY		Service Class A	◀: Initial Data	
No.	MEANING	SERVICE REST. CLASS (A)	SETTING DATA	
			DATA	MEANING
44	Camp-On by Station (Call Waiting Method) (Answer - Called Side)	00 ? 15	0 1 ◀	Restricted Allow
46	Call Back - Multiple Assignment			
47	Message Reminder (Setting Side)			
48	Message Reminder (Set Side)			
49	Internal Zone Paging Access/All Zone Internal Paging			
95	Number of digits on the LCD of the Multiline Terminal	00 ? 15	0 1 ◀	24 digits 16 digits
100	Voice Message Waiting Service - Individual (Called Side)	00 ? 15	0 1 ◀	Restricted Allow
102	Voice Message Waiting Service - Individual All clear when the called station is no answer (Calling/Called Side)			
103	Station to station/Station to Trunk Call Monitoring (monitoring side) Note			
104	Station to station/Station to Trunk Call Monitoring (monitored side) Note			
110	Digital Announcement Trunk Access (Record/Replay/Delete)			
111	Whisper Page (Whispering Side)			
112	Whisper Page (Whispered Side)			

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(s), 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.*

COMMAND CODE		TITLE:		
MAT 15		SERVICE RESTRICTION CLASS		
YY/YYY		Service Class A	◀: Initial Data	
No.	MEANING	SERVICE REST. CLASS (A)	SETTING DATA	
			DATA	MEANING
115	PS Call Forwarding-Not Available	00 ? 15	0 1 ◀	Allow Restricted
116	Voice Guide (Validity of data set by CM48 Y=2 first data 12, 13, 14.)		0 1 ◀	Restricted Allow
117	Roaming Service		0 1 ◀	Allow Restricted
119	Simultaneous Paging Class			
120	Dynamic Dial Pad			
124	Remote Hold			
127	WCS Numbering Sharing station number which is informed to calling/called party, SMDR and MCI.	00 ? 15	0 1 ◀	Main station number is informed Sub station number (own station number) is informed
128	WCS Numbering Sharing setting/cancelling Number Sharing from sub station.	00 ? 15	0 1 ◀	Allowed Restricted
129	WCS Numbering Sharing whether sub station is controlled as same as main station, by a Message Waiting lamp control signal sent to main station. Note: <i>This assignment is effective only when the system is an Integrated type.</i>	00 ? 15	0 1 ◀	Main station and sub station are controlled Only main station is controlled

This page is for your notes.

COMMAND CODE	TITLE: SERVICE RESTRICTION CLASS
(MAT) 15	

YY/YYYY		Service Class B	◀: Initial Data	
No.	MEANING	SERVICE REST. CLASS (B)	SETTING DATA	
			DATA	MEANING
53	TAS Service	00	0	Restricted
55	Individual Trunk Access from station	1	1 ◀	Allow
56	Change of mode for CAT	15		
59	Starting up MSF from PB telephone/Multiline Terminal by using an access code			
60	Day/Night Mode Change by Station Dialing			
61	Periodic Time Indication Tone Sending			
62	Front Desk Instrument (Multiline Terminal)			
63	Privacy Release			
64	Dual Hold			
66	Inhibit Override by Do Not Disturb			
67	Voice Call (Called Side)			
68	Off-Hook Ringing			
69	Conference Trunk (PN-CFTA) Access for conference leader			
70	Group Listening	00	0	Allow
		1	1 ◀	Restricted
71	Attendant Position Class Note	15	0	Attendant Terminal
			1 ◀	Ordinary Station
72	Automatic Hold		0	Allow
			1 ◀	Restricted
73	Attendant Position ICI / OPE key Note		0	ICI / OPE key
			1 ◀	Regular Station
75	Maid Status	00	0	Restricted
		1	1 ◀	Allow
		15		
78	Set stations to voice first for Station to Station calls	00	0	Voice Call D ^{term}
		1	1 ◀	Ring D ^{term}
		15		

Note: To provide the Multiline Terminal Attendant Position, data "0" must be assigned to a different Service Restriction Class Number than for regular Multiline Terminal Stations.

For example:

CLASS No.00 (ATT Position) CLASS No.15 (Station)

YY=71	0	1
YY=73	0	1

COMMAND CODE		TITLE:		
MAT 15		SERVICE RESTRICTION CLASS		
YY/YYY		Service Class C	◀: Initial Data	
No.	MEANING	SERVICE REST. CLASS (C)	DATA	SETTING DATA MEANING
80	Immediate Ringing on Single Line Station	00 ? 15	0 1 ◀	Restricted Allow
81	One hit ringing for Call Forwarding-All Calls	00 ? 15	0 1 ◀	Restricted Allow
82	Ringing Line Pick-up	00 ? 15	0 1 ◀	Allow Restricted
83 84	Multiline Terminal Tone Ringer	00 ? 15	0 1 ◀	Refer to Note 1
86	Ringing Line Pickup by SPKR key	00 ? 15	0 1 ◀	Allow Restricted (Prime Line Pickup)
87	Off-Hook + Dial Tone is provided when pressing one-touch speed key while terminal is idle.	00 ? 15	0 1 ◀	Terminal remains idle Off-Hook + Dial Tone
88 89	Switch Hook Flash during Internal Call	00 ? 15	0 1 ◀	Refer to Note 2
90 91	Switch Hook Flash during C.O. line connection	00 ? 15	0 1 ◀	Refer to Note 3
96	Type of Multiline Terminal	00 ? 15	0 1 ◀	Without LCD With LCD Refer to Note 4
97 98	Service for overflowed Off-Hook Alarm Call	00 ? 15	0 1 ◀	Refer to Note 5
99	Voice Call / Mike Off (Called side)	00 ? 15	0 1 ◀	Available Not available
182	Non private extension	00 ? 15	0 1 ◀	Available Not available

COMMAND CODE	TITLE:
MAT 15	SERVICE RESTRICTION CLASS

Note 1: The tone indication pattern is assigned by the combination of data in YY=83 and YY = 84

◀ : Initial Data

YY	83	84	MEANING OF DATA	
Setting Data	0	0	600 + 700 [Hz]	Modulating Signal
	1	0	1024 + 1285 [Hz]/16 [Hz]	Modulating Signal
	0	1	480 + 606 [Hz]/8 [Hz]	Modulating Signal
	1	1	480 + 606 [Hz]/16 [Hz]	Modulating Signal ▶

Note 2: The result of a Switch Hook Flash during a station-to-station call is specified by the combination of data in YY= 88 and YY = 89.

◀ : Initial Data

88	89	MEANING OF DATA	
1	1	Effective (Special Dial Tone Connection)	▶
0	1	Ineffective	
0	0	Attendant Recall	

Note 3: The result of a Switch Hook Flash during a C.O. line Connection is specified by the combination of data in YY=90 and YY = 91.

◀ : Initial Data

90	91	MEANING OF DATA	
1	1	Effective (Special Dial Tone Connection)	▶
0	1	Ineffective	
0	0	Attendant Recall	

Note 4: Automatic Allocation is available by Multiline Terminal with LCD for call park-system.

Note 5: Service for an Off Hook Alarm call which encounters a busy terminating station is specified by the combination of data in YY=97 and YY = 98

◀ : Initial Data

97	98	MEANING OF DATA	
0	0	UCD - Call Waiting	Note 6 (CM08-212-0)
0	1	UCD	(CM08-212-1)
1	0	Call Waiting	
1	1	Hunting	▶

Note 6: Call Waiting is automatically set, when UCD is not set.

<p>COMMAND CODE</p> <p>MAT 16</p>	<p>TITLE: CALL PICKUP GROUP/GROUP DIVERSION GROUP</p>
<p>1. FUNCTION:</p> <p>This command is used to assign stations to a Call Pickup Group and a Group Diversion Group.</p>	
<p>2. PRECAUTION:</p> <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) This command is included in MAT mode menu "A3" (Call Pickup Group [COM01]). (6) Group Diversion does not work for stations that are not in the Call Pickup Group. 	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 16Y + DE + STATION NUMBER (A) + DE + DATA + EXE (1-4 digits) (1-4 digits) </p>	

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

4. DATA TABLE:

Y		STATION NUMBER (A)		SETTING DATA													
No.	MEANING	DATA	MEANING	DATA	MEANING												
0	Assignment of Station Numbers to be included in a Call Pickup Group	X ? XXXX	Station Numbers (A)	X ? XXXX	Station Number (B)												
<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;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Station Number (A)</u></th> <th style="text-align: center;"><u>Station Number (B)</u></th> </tr> </thead> <tbody> <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> </tbody> </table> <p>By these three operations, a chain of three lines is set up. As seen 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 (CF-DA SYS STA)	Assignment of Station Number to be included in Group Diversion	X ? XXXX	Station Numbers to be included in Group Diversion	00 ? 30	Group Diversion Group 00 ? Group Diversion Group 30 (See CM19 Y = 6)												
3	Display of Station Numbers included in a Call Pickup Group	<p>By entering a Station Number as the first data, the station numbers included in the Group are displayed by depressing the DE key.</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>OPERATION</u></th> <th style="text-align: center;"><u>DISPLAY</u></th> </tr> </thead> <tbody> <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> </tbody> </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															

COMMAND CODE	TITLE: UCD GROUP
(MAT) 17	

1. FUNCTION:

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

2. PRECAUTION:

- (1) A maximum of 16 ACD / UCD groups can be assigned per system.
- (2) A maximum of 60 stations can be assigned to an ACD / UCD group.
- (3) Prior to changing or deleting the station number within an ACD / UCD Group, in Y=0, it is necessary to change the data for Y=1-7 to the initial data.
- (4) This command is included in MAT mode menu "A5" (UCD Group [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 17Y + DE + STATION NUMBER (A) (1-4 digits) + DE + DATA (1-4 digits) + EXE

4. DATA TABLE:

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Assignment of the station numbers to be included in the ACD/UCD Group (Refer to Note 1 and Note 2)	X ? XXXX	Station Number (A)	X ? XXXX	Station Number (B)	

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>
1st operation	STN 1	STN 2
2nd operation	STN 2	STN 3
⋮	⋮	⋮
Last operation	STN n	STN 1

(STN 1-STN n: Station Numbers included in an ACD / UCD Group)

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

COMMAND CODE	TITLE: UCD GROUP
(MAT) 17	

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1 (Pilot STA No.)	Assignment of the Pilot Station in the ACD/UCD Group	X ? XXXX	Station Number to be assigned as Pilot	0 ◀ 1	Member Station Pilot Station	
	Assignment of Pilot Station Number and Member Station for SCF of OAI	X ? XXXX	Station Numbers to be assigned to queuing for SCF	2 3	Member Station Pilot Station	CM41 Y = 0 CM49 YY = 00-10 CM07 Y = 2
2 (Group No.)	Assignment of the ACD/UCD Group Number	X ? XXXX	Pilot and Member Station Numbers	00 ? 15	ACD/UCD Group 00 ? ACD/UCD Group 15	CM44-14XX CM90 F1280-F1295
3	Display of Station Numbers included in the ACD/UCD Group	After entering station number (A), other station numbers included in the same ACD/UCD Group are displayed one after another. For 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 (U0)	ACD/UCD service for Internal Call from Station/ATTCOM	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	Not provided To provide	
5 (U1)	ACD/UCD service for C.O./DID Incoming Call	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	Not provided To provide	
6 (U2)	ACD/UCD service for Tie Line Incoming Call	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	Not provided To provide	
7 (U3)	ACD/UCD service for Automated Attendant	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	Not provided To provide	
A (U6)	ACD/UCD Delay Announcement Service	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	To send periodically To send only once	CM49 YY = 00 CM41 Y = 0 Function No. 47
B (U7)	Designation of the number of queuing in each ACD/UCD group	X ? XXXX	Pilot Station Number of ACD/UCD Group	0 1 ◀	To provide (See CM42-16) Not provided (No limitation)	CM42 - 16

COMMAND CODE	TITLE:
MAT 18	STATION HUNTING GROUP
<p>1. FUNCTION:</p> <p>This command is used to assign stations to a Station Hunting Group. There are three hunt types: Pilot System, Circular System and Switch Back System.</p>	
<p>2. PRECAUTION:</p> <ul style="list-style-type: none"> (1) When a Station Hunting Group requires a secretary station, it is necessary to assign Y=2. (2) The maximum number of stations which can be assigned to a Station Hunting Group is 60. (3) There is no limit 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 (Pilot/Circular/Switch Back) can be assigned to a Hunting Group. (6) The Station Hunting Group can also be set for data stations. (7) This command is included in MAT mode menu "A4" (Hunting Group [COM01]). 	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 18Y + DE + STATION NUMBER (A) + DE + DATA + EXE (1-4 digits) (1-4 digits) </p>	

COMMAND CODE	TITLE: STATION HUNTING GROUP
(MAT) 18	

4. DATA TABLE:

(1) Pilot System

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA										
No.	MEANING	DATA	MEANING	DATA	MEANING									
0	Setting of Station numbers included in a Station Hunting Group	X ? XXXX	Station Number (A)/ Data Station Number (A)	X ? XXXX	Station Number (B)/ Data Station Number (B)									
<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>For example, when defining a Station Hunting Group for a Pilot System using Station Numbers 300, 301, 302, designate 300 as the pilot station number, and perform the following two operations:</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <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> </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 Number (A)</u>	<u>Station Number (B)</u>	1st Operation	300	301	2nd Operation	301	302
	<u>Station Number (A)</u>	<u>Station Number (B)</u>												
1st Operation	300	301												
2nd Operation	301	302												
1	Kind of Station Numbers included in a Station Hunting Group	X ? XXXX	Station Number/ Data Station Number	1 0 ◀	Pilot Station of Pilot System Member Station of Pilot System									

COMMAND CODE	TITLE:
MAT 18	STATION HUNTING GROUP

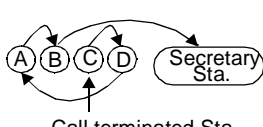
◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary Station: If an incoming call terminated to a Station Hunting Group has encountered all lines busy, the call is routed to a designated station. This station is called "Secretary Station."	X ? XXXX	Secretary Station Number	00 ? 30 31 ◀	Secretary Station Serial Numbers: Serial Numbers to be assigned to Secretary Station Numbers are called Secretary Station Serial Numbers. Correspondence between Serial Numbers and Secretary Station Numbers is set by Command 19. Data can be set only to Pilot Stations, and thus cannot be set to any of the member stations. Not assigned
3	Display of Station Numbers included in a 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. For example:			
		OPERATION Station Number A + DE + DE		DISPLAY Station Number (A) : Station Number (B) Station Number (B) : Station Number (C)	

COMMAND CODE	TITLE: STATION HUNTING GROUP
MAT 18	

(2) Circular System

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA													
No.	MEANING	DATA	MEANING	DATA	MEANING												
0	Setting of Station Numbers included in a Station Hunting Group	X ? XXXX	Station Number (A)/ Data Station Number (A)	X ? XXXX	Station Number (B)/ Data Station Number (B)												
<p>Example: A station Hunting Group that employs the Circular System hunt type and consists of Station Numbers 310, 311 and 312 is to be defined. 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 Number (A)</u></th> <th style="text-align: center;"><u>Station Number (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 Number (A)</u>	<u>Station Number (B)</u>	1st Operation	310	311	2nd Operation	311	312	3rd Operation	312	310
	<u>Station Number (A)</u>	<u>Station Number (B)</u>															
1st Operation	310	311															
2nd Operation	311	312															
3rd Operation	312	310															
1	Kind of Station Numbers included in a Station Hunting Group	X ? XXXX	Station Number / Data Station Number	0 1 ◀	Member Station Pilot Station												
2	Secretary Station: Same as Pilot system	X ? XXXX	Secretary Station Number	00 ? 30 31 ◀	Secretary Station Serial Numbers (Same as Pilot System)												
<p>Example:</p> 																	
3	Display of Station Numbers included in a Station Hunting Group	(Same as Pilot System)															

COMMAND CODE	TITLE: STATION HUNTING GROUP
(MAT) 18	

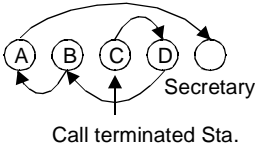
(3) Switch Back System

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA															
No.	MEANING	DATA	MEANING	DATA	MEANING														
0	Setting of Station Numbers included in a Station Hunting Group	X ? XXXX	Station Number (A) / Data Station Number (A)	X ? XXXX	Station Number (B) / Data Station Number (B)														
<p>Example: <i>A Station Hunting Group, which employs the Switch Back System hunt type and consists of Station Numbers 320, 321, 322 and 323 is to be defined. The following four operations are required:</i></p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Station Number (A)</u></th> <th style="text-align: center;"><u>Station Number (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 numbers is to be assigned first.</p>						<u>Station Number (A)</u>	<u>Station Number (B)</u>	1st Operation	320	321	2nd Operation	321	322	3rd Operation	322	323	4th Operation	323	320
	<u>Station Number (A)</u>	<u>Station Number (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 a Station Hunting Group	X ? XXXX	Station Number / Data Station Number	1	Station Number other than the last Station Number for a Switch Back System.														
				5	Last Station Number of the Switch Back System.														

COMMAND CODE	TITLE:
MAT 18	STATION HUNTING GROUP

◀: Initial Data

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	<p>Secretary Station: Same as Pilot System</p> <p>Example:</p>  <p>Call terminated Sta.</p>	<p>X ? XXXX</p>	Secretary Station Number	<p>00 ? 30</p>	<p>Secretary Station Serial Number: (Same as Pilot System)</p> <p>Data can be set to all stations belonging to the Switch Back System. Also, each station belonging to the same Hunt- ing Group can be assigned its own Secretary Station.</p>
				31 ◀	Not assigned
3	Display of Station Num- bers included in a Station Hunting Group	(Same as Pilot System)			

COMMAND CODE	TITLE:
MAT 19	SECRETARY/GROUP DIVERSION STATION NUMBER

1. FUNCTION:

Station numbers corresponding to Secretary Station Serial Numbers are to be assigned. The assigned numbers are called Secretary Station Numbers. Also, Station numbers are to be assigned as destination stations for Group Diversion.

2. PRECAUTION:

This command is included in MAT mode menu "A7" (Secretary Station number [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 19Y + DE + SECRETARY STATION SERIAL NUMBER (00-30) / GROUP DIVERSION GROUP (00-30) + DE + DATA (1-4 digits) + EXE

4. DATA TABLE:

Y		SECRETARY STATION SERIAL NUMBER	SETTING DATA	
No.	MEANING		DATA	MEANING
0	Setting of Secretary Station Number	00 ? 30	X ? XXXX	Secretary Station Number / Data Station Number
1	Setting of Secretary Hunting Method	(See CM18 Y = 2)	5 7	Hunting (As per Y = 2) No hunting
2	Setting of order of Secretary Hunting Note	Secretary Station Serial Number (A)	Secretary Station Serial Number (B)	
6	Transferred station of Call Forwarding – No Answer for each Group Diversion group (See CM08 – 026)	00: Group Diversion group 00 ? 30: Group Diversion group 30 (See CM16 Y = 2)	X ? XXXX	Station Number transferred. Data "E000" (ATTCON) is not provided.

Note: *The Secretary Station Serial Number should be assigned individually in the order of the desired secretary hunting, as shown below.*

	<u>SECRETARY STATION SERIAL No. (A)</u>	<u>SECRETARY STATION SERIAL No. (B)</u>
1st operation	Secretary 0	Secretary 1
2nd operation	Secretary 1	Secretary 2
⋮	⋮	⋮

<p>COMMAND CODE</p> <p>MAT 1A</p>	<p>TITLE:</p> <p>DATA STATION NUMBER</p> <p style="text-align: right;">INITIAL</p>
<p>1. FUNCTION:</p> <p>This command is used to assign the Data Station Numbers for accommodating the data terminals via the Multiline Terminal.</p>	
<p>2. PRECAUTION:</p> <p>(1) This command requires a system reset after setting the data.</p> <p>(2) This command is included in MAT mode menu "A1" (Station number & Class [COM01]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> $\boxed{\text{ST}} + 1A + \boxed{\text{DE}} + \text{PRIMARY EXTENSION NUMBER (1-4 digits)} + \boxed{\text{DE}} + \text{DATA STATION NUMBER (1-4 digits)} + \boxed{\text{EXE}}$ </p>	
<p>4. DATA TABLE:</p> <p>(1) Primary Extension Numbers are given by CM10 (FX-FXXXX).</p> <p>(2) Data Station Number should be different from station number, Primary Extension Number and Multiline Station Number assigned by CM10 and CM11.</p>	

COMMAND CODE	TITLE:			
1B	ISDN TERMINAL MULTIPOINTS STATION NUMBER ASSIGNMENT			
1. FUNCTION:				
This command is used for an ISDN Terminal Multipoints Station Number.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{DE}} + 1\text{B} + \boxed{\text{DE}} + \text{ISDN CIRCUIT STATION No.} + \boxed{\text{.}} + \text{ISDN MULTIPOINTS No.} + \boxed{\text{DE}} + \text{DATA (1-4 digits)} + \boxed{\text{EXE}}$ <p style="text-align: center;">(0-7)</p>				
4. DATA TABLE:				
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XXXX . X	ISDN Multipoints No. (0-7) ISDN Circuit Station No.	X ? XXXX	ISDN Terminal Multipoints Station No. X : 0-9, A(*), B(#)	
				CMAC YY = 01

COMMAND CODE	TITLE: PS STATION NUMBER ASSIGNMENT
1C	

1. FUNCTION:

This command is used to assign the PS Station Numbers for providing the Wireless Communication System.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + 1C + DE + VIRTUAL PS No. (4 digits) + DE + PS STATION No. (1-4 digits) + EXE

4. DATA TABLE:

◀: Initial Data

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XXXX	VIRTUAL PS No. (0001 – 0255)	X ? XXXX	PS Station No. X : 0-9, A(*), B(#)	CM1D

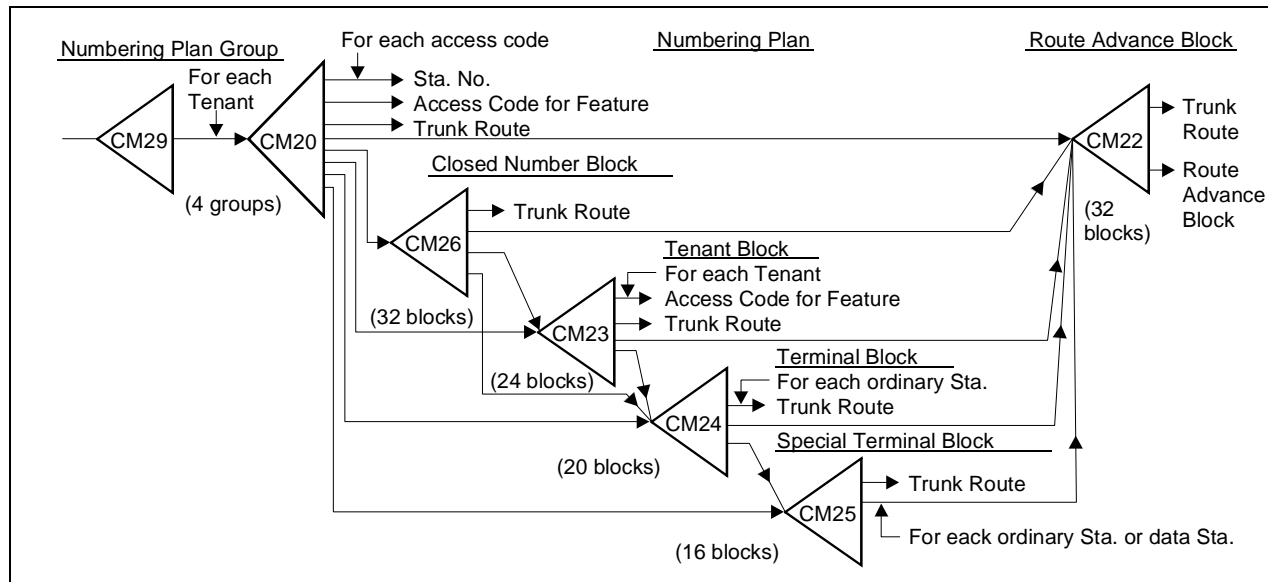
CM1D

COMMAND CODE		TITLE:			
1D		PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD			
1. FUNCTION:					
This command is used to assign the PS-ID and to download the PS Operation data.					
2. 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 CM1DYY=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			
3. ASSIGNMENT PROCEDURE:					
$\boxed{ST} + 1DYY + \boxed{DE} + \text{PS STATION No. (1-4 digits)} + \boxed{DE} + \text{SETTING DATA (1-8 digits)} + \boxed{EXE}$					
4. DATA TABLE:					
YY		PS STATION No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
01	Assignment of Subline PS number to each Primary PS station	X-XXXX (Primary PS Station No.)	X-XXXX	Subline PS Station No.	
15	Terminal kind of PS Note: Set this data also to Subline PS station number, if provided.	X - XXXX	00 15 ◀	D ^{term} PS II Former D ^{term} PS	
20	PS Operation Data Download		1	Execute	CM1C
21	Assignment of PS-ID		XX...XX	PS-ID (Max. 9 digits, Decimal)	

COMMAND CODE	TITLE: NUMBERING PLAN
(MAT) 20	

1. FUNCTION:

Trunk routes and features are assigned access codes. Required developments (Route Advance, Tenant, Kind of Calling Terminal and Closed Number data) and trunk routes or features are assigned access codes with CM22, CM23, CM24 and CM26. The following figure shows the relationship between commands:



2. PRECAUTION:

- (1) This command is included in MAT mode menu "E7" (Numbering Plan [COM03]).
- (2) 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 digit(s) 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).
- (3) 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.)

COMMAND CODE	TITLE: NUMBERING PLAN
(MAT) 20	

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

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

ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
000 (OQS)	Trunk Queueing-Outgoing (Set)		CM15 YY = 02 CM35 YY = 28
001 (OQC)	Trunk Queueing-Outgoing (Cancel)		
002 (CBS)	Call Back (Set)		CM15 YY = 03
003 (CBC)	Call Back (Cancel)		
004 (OQCBS)	Trunk Queueing-Outgoing/Call Back (Set)	When Trunk Queueing-Outgoing and Call Back share the same access code.	CM15 YY = 02, 03 CM35 YY = 28
005 (OQCBC)	Trunk Queueing-Outgoing/Call Back (Cancel)		
006 (EROW)	Executive Override		CM15 YY = 05-09
007 (TCMP)	Camp-on by Station (Transfer method)		CM15 YY = 16

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
008 (PRKS)	Call Park-System (Set)	For Single Line Station/ Multiline Terminal/ ATTCON	CM15 YY = 96
009 (PRKR)	Call Park-System (Retrieve)		
010 (FDAE)	Call Forwarding-All Calls (Entry)		CM15 YY = 00, 26
011 (FDAC)	Call Forwarding-All Calls (Cancel)		
012 (FDNBE)	Call Forwarding-No Answer/Busy Line (Entry)	When there is No Answer and the Busy Line shares the same access code. For the different access code, set data for 014 – 017.	CM15 YY = 10, 11, 28, 45
013 (FDNBC)	Call Forwarding-No Answer/Busy Line (Cancel)		
014 (FDBE)	Call Forwarding-Busy Line (Entry)		CM15 YY = 11
015 (FDBC)	Call Forwarding-Busy Line (Cancel)		
016 (FDNE)	Call Forwarding-No Answer (Entry)		CM15 YY = 10
017 (FDNC)	Call Forwarding-No Answer (Cancel)		
018 (FDDE)	Call Forwarding-Destination (Entry)		CM15 YY = 15
019 (FDDC)	Call Forwarding-Destination (Cancel)		
020 (PICK)	Call Pickup-Group		CM16
021 (DPICK)	Call Pickup-Direct		CM15 YY = 14
022 (DNDS)	Do Not Disturb (Set)	From station	CM15 YY = 19
023 (DNDC)	Do Not Disturb/Return Message (Cancel) Schedule Display		

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
024 (WUS)	Wake-up Call/Timed Reminder (Set)		CM15 YY = 13
025 (WUC)	Wake-up Call/Timed Reminder (Cancel)		
027 (SWU)	Wake-up Call Set from Predetermined Station (Single Wake-up time operation)		CM15 YY = 20
028 (MWU)	Wake-up Call Set from Predetermined Station (Multiple Wake-up time operation)		CM15 YY = 21
029 (MSTS)	Maid Status		
033	Monitor Note		CM08-259 CM15 YY = 103, 104
034 (OFT)	Intra-office termination on Tandem connection		
035 (OFTDT)	Intra-office termination on Tandem connection	DT Sending (Mark out System)	
037 (GPICK)	Call Pickup-Designated Group		CM15 YY = 14 CM16
039 (BGM)	BGM on Multiline Terminal (Set/Reset)		CM15 YY = 32 CM48
040 (MWS)	MW Lamp Control (Set)		CM15 YY = 24, 40 CM90
041 (MWR)	MW Lamp Control (Reset)		
043 (D/N)	Day / Night Mode Change by Station Dialing		CM15 YY = 60 CM08-244, 245
044 (UCDBS)	ACD/UCD Station Busy-Out (Set)		
045 (UCDBR)	ACD/UCD Station Busy-Out (Reset)		
046 (CHLD)	Call Hold		CM15 YY = 01

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
047 (TASA)	TAS Answer A		CM15 YY = 53 CM53
048 (TASB)	TAS Answer B		
049 (TASC)	TAS Answer C		
050 (TASD)	TAS Answer D		
051 (TASE)	TAS Answer E		
058	Trunk Hold Code		
059	Trunk Answer Code		
062 (PRKT)	Call Park-Tenant (Set/Retrieve)	For single line station/ Multiline Terminal	
064 (SPD)	Station Speed Dialing (Origination)		CM73, 74 CM15 YY = 07
065 (SPDE)	Station Speed Dialing (Entry)		
066 (SPDC)	Station Speed Dialing (Cancel)		
067 (SY300)	System Speed Dialing (Origination)	For 300 memories Maximum of 26 digits	CM71, 72 CM15 YY = 06
068 (SY2/1)	System Speed Dialing (Origination)	For 1000 memories (1000- Slot Memory Block No. 2) Maximum of 26 digits	CM08-176 = 0 CM08-252 = 0 CM74
		For 1000 memories (1000- Slot Memory Block No. 2) Maximum of 16 digits	CM08-176 = 0 CM08-252 = 1 CM74
069 (LAST)	Last Number Redial		CM08-177, 178

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
070 (PAG0)	Paging Answer Zone 0		CM30 YY = 28 CM44 CM15 YY = 08
071 (PAG1)	Paging Answer Zone 1		
072 (PAG2)	Paging Answer Zone 2		
073 (PAG3)	Paging Answer Zone 3		
074 (PAG4)	Paging Answer Zone 4		
075 (PAG5)	Paging Answer Zone 5		
076 (PAG6)	Paging Answer Zone 6		
077 (PAG7)	Paging Answer Zone 7		
078 (PAG8)	Paging Answer Zone 8		
079 (PAG9)	Paging Answer Zone 9		
080 (PGC)	Cancel of Speaker/Radio Paging (Delay Operation)		
081 (TKSL)	Individual Trunk Access		CM30 YY = 19 CM08-139 CM15 YY = 55
084	OAI Terminal Mode Facility (MSF)		
085 (ACC)	Account Code		CM15 YY = 30 CM42-10
086 (AC)	Authorization Code		CM08-216 CM15 YY = 31 CM42-11
087 (FACC)	Forced Account Code		CM08-216 CM15 YY = 31 CM42-12, CM2A

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
088 (PRI0)	Priority Call 0	These calls are routed to the operator at the ATTCON	CM90 CM15 YY = 17, 18 CM08-250, 251
089 (PRI1)	Priority Call 1		
090 (SPA0)	Special Operator Call 0		CM90
091 (SPA1)	Special Operator Call 1		
092 (SPA2)	Special Operator Call 2		
093 (SPA3)	Special Operator Call 3		
094 (EMGC)	Emergency Call		
095 (IATT)	Individual Attendant Access/Attendant Inter Position Calling/Transfer		
097	Direct Data Entry			CM90/CMD001-252, 253/CMD016-XX24
800 (OPRC)	Operator Call	These calls are routed to the operator at the ATTCON	CM90
801 (1STA)	1 digit-Station		
802 (2STA)	2 digits-Station		
803 (3STA)	3 digits-Station		
804 (4STA)	4 digits-Station		
805 (5STA)	5 digits-Station	This data should be assigned for 1st 2 – 3 digits of 5 digits station.	

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
808 (2/3)	2/3 digits-Station		CM41 Y = 0 F = 13
809 (2/4)	2/4 digits-Station		
810 (3/4)	3/4 digits-Station		
811 (2/3/4)	2/3/4 digits-Station		
A00 (VRCRC)	Digital Announcement Trunk Access (Record)		CM10, CM15 YY = 33
A01 (VRCRP)	Digital Announcement Trunk Access (Replay)		
A02 (VRCDL)	Digital Announcement Trunk Access (Delete)		
A03 (ANRC)	Announcement Service (Record)		CM10, CM15 YY = 34 – 39 CM49 YY = 00 CM35 YY = 69 – 73
A04 (AN0RP)	Announcement Service Group 0 (Replay)		
A05 (AN1RP)	Announcement Service Group 1 (Replay)		
A06 (AN2RP)	Announcement Service Group 2 (Replay)		
A07 (AN3RP)	Announcement Service Group 3 (Replay)		CM10, CM15 YY = 34 – 39 CM49 YY = 00 CM35 YY = 69 – 73
A08 (AN4RP)	Announcement Service Group 4 (Replay)		
A09 (ANDL)	Announcement Service (Delete)		
A10 (NAME)	Assignment of Station Name	For Multiline Terminal, ATTCON		CM08 – 255

COMMAND CODE		TITLE:	
MAT	20	NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A13 (VWST)	Voice Message Waiting Service-System (Setting of Station Numbers to be sent)		CM13 YY = 03 CM15 YY = 41, 42 CM49 YY = 00
A14 (VW1ST)	Voice Message Waiting Service-Individual (Setting of Station Numbers to be sent)		
A15 (VWRC)	Voice Message Waiting Service-System (Record)		
A16 (VWRP)	Voice Message Waiting Service-System (Replay)		
A18 (VWDL)	Voice Message Waiting Service-System (Delete)		
A19 (VW1RS)	Voice Message Waiting Service System/ Individual (Resetting of Station number to be sent)		
A20 (VW1RE)	Voice Message Waiting Service System/ Individual (Retrieve)		
A25 (CWCMP)	Camp-on by Station (Call Waiting Method)		
A26 (LCR0)	LCR Group 0		
A27 (LCR1)	LCR Group 1		CM8A YYY = A00
A28 (LCR2)	LCR Group 2		
A29 (LCR3)	LCR Group 3	Note	

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A30 (IPGC0)	Internal Zone Paging Group 0	For calling	CM56 YY = 00 – 07 CM15 YY = 49 CM90
A31 (IPGC1)	Internal Zone Paging Group 1		
A32 (IPGC2)	Internal Zone Paging Group 2		
A33 (IPGC3)	Internal Zone Paging Group 3		
A34 (IPGC4)	Internal Zone Paging Group 4		
A35 (IPGC5)	Internal Zone Paging Group 5		
A36 (IPGC6)	Internal Zone Paging Group 6		
A37 (IPGC7)	Internal Zone Paging Group 7	For answering	CM56 YY = 00 – 07 CM15 YY = 49 CM90
A38 (IPGA0)	Internal Zone Paging Group 0		
A39 (IPGA1)	Internal Zone Paging Group 1		
A40 (IPGA2)	Internal Zone Paging Group 2		
A41 (IPGA3)	Internal Zone Paging Group 3		
A42 (IPGA4)	Internal Zone Paging Group 4		
A43 (IPGA5)	Internal Zone Paging Group 5	For answering	CM56 YY = 00 – 07 CM15 YY = 49 CM90
A44 (IPGA6)	Internal Zone Paging Group 6		
A45 (IPGA7)	Internal Zone Paging Group 7		

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A46 (MW/RS)	Message Waiting/Message Reminder (Search)		CM15 YY = 47, 48 CM13 – 03 CM51 YY = 15 CM90
A47 (MW/RA)	Message Waiting/Message Reminder (Retrieve)		
A48 (MRS)	Message Reminder (Set)		
A49 (MRC)	Message Reminder (Cancel)		
A50 (SY3/1)	System Speed Dialing (Origination)	For 1000 memories (1000-Slot Memory Block No.3) Maximum of 16 digits	CM08–110 = 0 CM08–252 = 1 CM74
A51 (SY1/1)	System Speed Dialing (Origination)	For 1000 memories (1000-Slot Memory Block No.1) Maximum of 16 digits	CM08–111 = 0 CM08–252 = 1 CM74
A52 (SY0/1)	System Speed Dialing (Origination)	For 1000 memories (1000-Slot Memory Block No.0) Maximum of 16 digits	CM08–112 = 0 CM08–252 = 1 CM74
A54 (MSCDS)	Return Message Schedule Display (Set)	Cancel Code: See data 023	CM15 YY = 19
A55 (DNATT)	Day/Night Mode change, ATTCON Lockout	For ATTCON without MODE key.	CM90
A56 (PRATT)	Data programming for DISA, System Speed Dialing, Date/Time Change, and Tone Ringer change from ATTCON	For ATTCON without PROG key.	
A58 (SHFPB)	Sending of Hooking Signal to CENTREX line from PB Telephone		
A59 (6CFT)	6-Party Conference Trunk Access		CM15 YY = 69 CM10
A60 (10CFT)	10-Party Conference Trunk Access		
A61 (6110S)	6/10-Party Conference Trunk Control (To set up a conference)		
A62 (6110R)	6/10-Party Conference Trunk Control (To release designated party from a conference)		

COMMAND CODE		TITLE:	
MAT	20	NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A63 (V/TON)	Voice Call/Ring Tone programming	For Multiline Terminal	
A64 (AZP)	All Zone Internal Paging	For calling	CM08 – 158
A65	Voice Message Waiting Service-Individual All Clear when the called station is no answer		
A80	Split Call Forwarding - All Calls (Entry)		
A81	Split Call Forwarding - All Calls (Cancel)		
A82	Split Call Forwarding - Busy Line/No Answer (Entry)		
A83	Split Call Forwarding - Busy Line/No Answer (Cancel)		
A88	Whisper Page		
A89	Call Forwarding - Not Available		
A90	Call Forwarding - Not Available Cancel		
A91	Call Forwarding - Not Available Replay		
A92	Number Sharing Set from sub station (PS)		
A93	Number Sharing Cancel from sub station (PS)		
A94	Number Sharing Set from main station		
A95	Number Sharing Cancel from main station		
B00 ? B07 B10 ? B17	Simultaneous Paging Group 0 ? Simultaneous Paging Group 7 Re-participation Group 0 ? Re-participation Group 7		CM15 YYY=119 CM56 CM90
B20 ? B27	Simultaneous Paging Group 0 for 2Way Calling ? Simultaneous Paging Group 0 for 2Way Calling		CM15 YYY=119 CM56 CM90

COMMAND CODE	TITLE: NUMBERING PLAN
MAT 20	

ASSIGNMENT DATA			REMARKS	RELATED COMMAND
DATA	MEANING			
100 (RT00)	Trunk Route	00	Data assignment for Trunk Routes that correspond to access codes for outgoing trunk calls (COT, ODT, etc.)	CM30
101	Trunk Route	01		
∗	∗	∗		
162	Trunk Route	62		
163 (RT63)	Trunk Route	63		
200 (RTA00)	Route Advance Block	00	Data is to be assigned in the following two cases: – there are two or more trunk routes for outgoing calls – for determining the seizing order of the trunk route.	CM22
201	Route Advance Block	01		
∗	∗	∗		
230	Route Advance Block	30		
231 (RTA31)	Route Advance Block	31		

This page is for your notes.

COMMAND CODE	TITLE:
MAT 20	NUMBERING PLAN

ASSIGNMENT DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
300 (TNB00)	Tenant Block 00	Data is to be assigned when the purpose and method of the same access code vary with each tenant.	CM23
301 }	Tenant Block 01 }		
322	Tenant Block 22		
323 (TNB23)	Tenant Block 23		
400 (CAL00)	Kind of Call Terminal Block 00		
401 }	Kind of Call Terminal Block 01 }	Data is to be assigned when the purpose and method of the same access code vary with each calling terminal (ATTCON, DP/DTMF telephone, etc.).	CM24
418	Kind of Call Terminal Block 18		
419 (CAL19)	Kind of Call Terminal Block 19		
500 (SPE00)	Kind of Special Terminal Block 00	Data is to be assigned when the purpose and method of the same access code vary with each special terminal (Single line station/Analog Data station.)	CM25
501 }	Kind of Special Terminal Block 01 }		
514	Kind of Special Terminal Block 14		
515 (SPE15)	Kind of Special Terminal Block 15		
600 (CLO00)	Closed Number Block 00			Data is to be assigned in the following two cases: - sending the access code directly - converting it into another number.	CM26
601 }	Closed Number Block 01 }		
630	Closed Number Block 30		
631 (CLO31)	Closed Number Block 31		

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 beeptone(s), 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.*

COMMAND CODE		TITLE:																																																														
21		SINGLE DIGIT ACCESS CODE																																																														
<p>1. FUNCTION:</p> <p>This command sets a single-digit code to be recognized under timing start condition.</p>																																																																
<p>2. PRECAUTION:</p> <p>None</p>																																																																
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 21Y + DE + ACCESS CODE (1 digit) + DE + DATA (3 digits) + EXE </p>																																																																
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Y</th> <th rowspan="2" style="text-align: center;">ACCESS CODE</th> <th colspan="2" style="text-align: center;">SETTING DATA</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td>Numbering Plan 0</td> <td rowspan="4" style="text-align: center;">X: 0-9, A (*), B (#)</td> <td style="text-align: center;">047</td> <td>Service Feature Access Code (See CM20 Data Table)</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">?</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">051</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> <td style="text-align: center;">100</td> <td>Trunk Route 00</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">?</td> <td style="text-align: center;">?</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">163</td> <td>Trunk Route 63</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">200</td> <td>Route Advance Block 00</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">?</td> <td style="text-align: center;">?</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">231</td> <td>Route Advance Block 31 (See CM22)</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">800</td> <td>Operator Call to ATTCON</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">801</td> <td>Single-digit Station</td> </tr> </tbody> </table>				Y		ACCESS CODE	SETTING DATA		No.	MEANING	DATA	MEANING	0	Numbering Plan 0	X: 0-9, A (*), B (#)	047	Service Feature Access Code (See CM20 Data Table)	1	1	?		2	2	051		3	3	100	Trunk Route 00				?	?				163	Trunk Route 63				200	Route Advance Block 00				?	?				231	Route Advance Block 31 (See CM22)				800	Operator Call to ATTCON				801	Single-digit Station
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COMMAND CODE	TITLE: ROUTE ADVANCE
22	

1. FUNCTION:

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

2. PRECAUTION:

A maximum of seven consecutive priorities can be assigned.

3. ASSIGNMENT PROCEDURE:

ST + 22YY + DE + ^{PRIORITY}ORDER (1 digit) + DE + DATA (3 digits) + EXE

4. DATA TABLE:

YY		PRIORITY ORDER		SETTING DATA	
No.	MEANING			DATA	MEANING
00	Route Advance Block 00	0	1st Priority	100	Trunk Route 00
01	Route Advance Block 01	1	2nd Priority	?	?
?	?	2	3rd Priority	163	Trunk Route 63
30	Route Advance Block 30	3	4th Priority	200	Route Advance Block 00
31	Route Advance Block 31		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
Route Advance Block 01	3	201	← To Route Advance Block 01
	0	103	4th
	1	104	5th
	2	105	6th
	3	106	7th

COMMAND CODE		TITLE:																																																																																																																																																			
23		TENANT DEVELOPMENT																																																																																																																																																			
<p>1. FUNCTION:</p> <p>Trunk routes and features are assigned by developing access codes for each tenant. For tenant assignments requiring development of route advance and kind of calling terminal data for each trunk route assignment, each development and the corresponding trunk routes are to be assigned using CM22 and CM24.</p>																																																																																																																																																					
<p>2. PRECAUTION:</p> <p>None</p>																																																																																																																																																					
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COMMAND CODE	TITLE: KIND OF CALLING TERMINAL DEVELOPMENT
24	

1. FUNCTION:

For each access code assigned to a calling terminal block, a trunk route can be assigned based on which type of terminal is placing the call. For calling terminal assignments requiring development of route advance and kind of special terminal data for trunk route assignments, each of these developments and the corresponding trunk routes are assigned using CM22 and CM25.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + 24YY + DE + KIND OF
CALLING
TERMINAL
(1 digit) + DE + DATA
(3 digits) + EXE

4. DATA TABLE:

YY		KIND OF CALLING TERMINAL	SETTING DATA		RELATED COMMAND		
No.	MEANING		DATA	MEANING			
00 ? 19	Kind of Calling Terminal Block 00 ? Kind of Calling Terminal Block 19	0	ATTCON	100 ? 163	Trunk Route ? Trunk Route	00 ? 63	CM30
		1 2 3	Station (DTMF) Not used Station (DP)	200 ? 231	Route Advance Block ? Route Advance Block	00 ? 31	CM22
				500 ? 515	Kind of Special Terminal Block 00 ? Kind of Special Terminal Block 15	 ? 	CM25

COMMAND CODE	TITLE:																																																											
25	KIND OF SPECIAL TERMINAL DEVELOPMENT																																																											
<p>1. FUNCTION:</p> <p>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 analog data 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.</p>																																																												
<p>2. PRECAUTION:</p> <p>None</p>																																																												
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 25YY + DE + KIND OF SPECIAL TERMINAL (1 digit) + DE + DATA (3 digits) + EXE </p>																																																												
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">YY</th> <th colspan="2" rowspan="2" style="text-align: center;">KIND OF SPECIAL TERMINAL</th> <th colspan="3" style="text-align: center;">SETTING DATA</th> <th rowspan="2" style="text-align: center;">RELATED COMMAND</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th colspan="2" style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">00</td> <td rowspan="2" style="vertical-align: top;">Kind of Special Terminal Block 00</td> <td style="text-align: center;">0</td> <td style="vertical-align: top;">Ordinary Station</td> <td style="text-align: center;">100</td> <td style="vertical-align: top;">Trunk Route</td> <td style="text-align: center;">00</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">CM30</td> </tr> <tr> <td style="text-align: center;">?</td> <td style="text-align: center;">1</td> <td style="vertical-align: top;">Analog Data Station (Fax or MODEM)</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: center;">15</td> <td rowspan="3" style="vertical-align: top;">Kind of Special Terminal Block 15</td> <td></td> <td rowspan="3" style="vertical-align: top;">(See CM13 YY=07)</td> <td style="text-align: center;">163</td> <td style="vertical-align: top;">Trunk Route</td> <td style="text-align: center;">63</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">CM22</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">200</td> <td style="vertical-align: top;">Route Advance Block</td> <td style="text-align: center;">00</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">?</td> <td style="text-align: center;">?</td> <td style="text-align: center;">?</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">231</td> <td style="vertical-align: top;">Route Advance Block</td> <td style="text-align: center;">31</td> <td></td> </tr> </tbody> </table>								YY		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	Analog Data Station (Fax or MODEM)	?	?	?	15	Kind of Special Terminal Block 15		(See CM13 YY=07)	163	Trunk Route	63	CM22			200	Route Advance Block	00			?	?	?					231	Route Advance Block	31	
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?		1	Analog Data Station (Fax or MODEM)	?	?	?																																																						
15	Kind of Special Terminal Block 15		(See CM13 YY=07)	163	Trunk Route	63	CM22																																																					
				200	Route Advance Block	00																																																						
				?	?	?																																																						
				231	Route Advance Block	31																																																						

COMMAND CODE	TITLE:
MAT 26	CLOSED NUMBER DEVELOPMENT
<p>1. FUNCTION:</p> <p>For each access code assigned to a closed number block, a trunk route is selected and the system is assigned to</p> <ol style="list-style-type: none"> a) Repeat the access code as a dialed digit (to the C.O.) b) To add digits to convert the access code into other digits <p>These assignments are completed prior to dialing the rest of the number.</p> <p>For closed number assignments requiring development of route advance, tenant, and kind of calling terminal data for trunk route assignment, each of these developments and the corresponding trunk routes are assigned using CM22, CM23 and CM24.</p>	
<p>2. PRECAUTION:</p> <ol style="list-style-type: none"> (1) For the outgoing call by the closed number, Toll Restriction is not available. Set CM 35 YY=11 to "3". (2) This command is included in MAT mode menu "B3" (Closed number [COM01]). 	
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 26Y + \boxed{\text{DE}} + \begin{array}{l} \text{CLOSED NUMBER} \\ \text{BLOCK No.} \\ (00-31) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ (1-10 \text{ digits}) \end{array} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE: CLOSED NUMBER DEVELOPMENT
(MAT) 26	

4. DATA TABLE:

◀: Initial Data

Y No.	CLOSED NUMBER BLOCK No.		SETTING DATA		RELATED COMMAND
	No.	MEANING	DATA	MEANING	
0 (RT Data)	00	Closed Number Block 00	100	Trunk Route 00	CM30
	31	Closed Number Block 31	163	Trunk Route 63	
			200	Route Advance Block 00	CM22
			231	Route Advance Block 31	
			300	Tenant Block 00	CM23
		323	Tenant Block 23		
		400	Kind of Calling Terminal Development 00	CM23	
		419	Kind of Calling Terminal Development 19		
1 (Additional Digits)	00	Closed Number Block 00	X	Additional digits (1-10)	
	31	Closed Number Block 31	XX...X (10 digits)	X=0-9, A (*), B (#), C (Fixed Pause), D (Programmable Pause)	
2 (Additional kind)	00	Closed Number Block 00	1	Convert into the digits as per Y=1.	
	31	Closed Number Block 31	2	Add the digits as per Y=1.	
			3 ◀	Closed Number	

COMMAND CODE	TITLE: NUMBERING PLAN TENANT GROUP
(MAT) 29	

1. FUNCTION:

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

2. PRECAUTION:

- (1) If the data is not assigned (“NONE”), then Numbering Plan Group 0 is used for all tenants.
- (2) This command is included in MAT mode menu “E7” (Numbering Plan [COM02]).

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

TENANT NUMBER		SETTING DATA		RELATED COMMAND	REMARKS
00 ? (TN No.)	Tenant 00 ?	710	Numbering Plan Group 0	CM20 Y = 0	
	Tenant 63	711	Numbering Plan Group 1	CM20 Y = 1	
		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																										
<p>1. FUNCTION:</p> <p>This command assigns ID codes used for the Authorization Code/Forced Account Code/Direct Inward System Access (DISA) features without using an AP card.</p>																											
<p>2. PRECAUTION:</p> <p>These ID Codes are available, when CM08-216/217 are assigned to “0”.</p>																											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 2AY + DE + ID CODE No. (2 digits) + DE + DATA (1-8 digits) + EXE </p>																											
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Y</th> <th rowspan="2" style="text-align: center;">ID CODE NUMBER</th> <th colspan="2" style="text-align: center;">SETTING DATA</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td>Assigning of ID Code for Authorization/Forced Account Code</td> <td style="text-align: center;">XX: 00-99</td> <td style="text-align: center;">X ? X.....X</td> <td>ID Code (Max. 8 digits) (See CM42-10, 11, 12)</td> </tr> <tr> <td style="text-align: center;">1</td> <td>Purpose of the ID Code</td> <td style="text-align: center;">XX: 00-99</td> <td style="text-align: center;">1 2 3 NONE ◀</td> <td>Authorization Code Forced Account Code Note 1 Not Used Invalid</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Trunk Restriction Class for Authorization Code/Forced Account Code</td> <td style="text-align: center;">XX: 00-99</td> <td style="text-align: center;">1 ◀ 2 3 4 5 6 7 8</td> <td>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)</td> </tr> </tbody> </table>				Y		ID CODE NUMBER	SETTING DATA		No.	MEANING	DATA	MEANING	0	Assigning of ID Code for Authorization/Forced Account Code	XX: 00-99	X ? X.....X	ID Code (Max. 8 digits) (See CM42-10, 11, 12)	1	Purpose of the ID Code	XX: 00-99	1 2 3 NONE ◀	Authorization Code Forced Account Code Note 1 Not Used Invalid	2	Trunk Restriction Class for Authorization Code/Forced Account Code	XX: 00-99	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)
Y		ID CODE NUMBER	SETTING DATA																								
No.	MEANING		DATA	MEANING																							
0	Assigning of ID Code for Authorization/Forced Account Code	XX: 00-99	X ? X.....X	ID Code (Max. 8 digits) (See CM42-10, 11, 12)																							
1	Purpose of the ID Code	XX: 00-99	1 2 3 NONE ◀	Authorization Code Forced Account Code Note 1 Not Used Invalid																							
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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

◀ : Initial Data

Y		ID CODE NUMBER	SETTING DATA	
No.	MEANING		DATA	MEANING
3	Service Class A/B for Authorization Code/Forced Account Code	XX: 00-99	XXXX	<p>Service Class B (00-15 ◀) Service Class A (00-15 ◀) Note</p>
4	Service Class C for Authorization Code/Forced Account Code	XX: 00-99	XX	Service Feature Class C (00-15 ◀) Note 2
5	Assigning of ID Code for Direct Inward System Access (DISA)	XX: 00-07	X ? X.....X	ID Code (Max. 16 digits) (See CM 42-13)
6	Trunk Restriction Class for Direct Inward System Access (DISA)	XX: 00-07	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)
7	Service Class A/B for Direct Inward System Access (DISA)	XX: 00-07	XXXX	<p>Service Class B (00-15 ◀) Service Class A (00-15 ◀) Note 2</p>
8	Service Class C for Direct Inward System Access (DISA)	XX: 00-07	XX	Service Feature Class C (00-15 ◀) Note 2

Note 1: Authorization Codes and Forced Account Codes are both available for changing class of service. The only difference is that Forced Account Codes appear in the account code field in the SMDR data stream. Authorization Codes appear in a separate field designated specifically for Authorization Codes.

Note 2: The features available in each class are assigned with CM15.

COMMAND CODE	TITLE:																										
(MAT) 30	TRUNK DATA																										
<p>1. FUNCTION:</p> <p>This command is used to assign characteristics to trunk lines which have been defined with CM10.</p>																											
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu “B1” (Trunk number data [COM01]).</p>																											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 30YY + DE + TRUNK NUMBER (000–255) + DE + DATA (1–5 digits) + EXE </p>																											
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">YY</th> <th colspan="2" style="text-align: center;">SETTING DATA</th> <th rowspan="2" style="text-align: center;">RELATED COMMAND</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">00 (RT)</td> <td style="vertical-align: top;">Trunk Route Allocation</td> <td style="text-align: center; vertical-align: top;">00 ? 63</td> <td style="vertical-align: top;">Trunk Route Number 00 ? Trunk Route Number 63</td> <td style="vertical-align: top;">CM35</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">01 (TN)</td> <td style="vertical-align: top;">Allocation of tenants to trunks</td> <td style="text-align: center; vertical-align: top;">00 01 ◀ ? 63</td> <td style="vertical-align: top;">Tenant Number 00 ? Tenant Number 63</td> <td style="vertical-align: top;">CM63 Y = 0, 2 CM49 YY = 01-07 CM51, CM65</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">02 (DIC)</td> <td style="vertical-align: top;">Terminating System in Day Mode for incoming C.O. Calls Note 1 Note 2</td> <td style="text-align: center; vertical-align: top;">00 01 02 03 04 05 06 07 08 09 10</td> <td style="vertical-align: top;">Trunk-Direct Appearance Trunk-Direct Appearance + TAS Direct-In Termination Automated Attendant</td> <td style="vertical-align: top;">CM30 YY = 18 CM30 YY = 04 CM49, CM64</td> </tr> </tbody> </table>				YY		SETTING DATA		RELATED COMMAND	No.	MEANING	DATA	MEANING	00 (RT)	Trunk Route Allocation	00 ? 63	Trunk Route Number 00 ? Trunk Route Number 63	CM35	01 (TN)	Allocation of tenants to trunks	00 01 ◀ ? 63	Tenant Number 00 ? Tenant Number 63	CM63 Y = 0, 2 CM49 YY = 01-07 CM51, CM65	02 (DIC)	Terminating System in Day Mode for incoming C.O. Calls Note 1 Note 2	00 01 02 03 04 05 06 07 08 09 10	Trunk-Direct Appearance Trunk-Direct Appearance + TAS Direct-In Termination Automated Attendant	CM30 YY = 18 CM30 YY = 04 CM49, CM64
YY		SETTING DATA		RELATED COMMAND																							
No.	MEANING	DATA	MEANING																								
00 (RT)	Trunk Route Allocation	00 ? 63	Trunk Route Number 00 ? Trunk Route Number 63	CM35																							
01 (TN)	Allocation of tenants to trunks	00 01 ◀ ? 63	Tenant Number 00 ? Tenant Number 63	CM63 Y = 0, 2 CM49 YY = 01-07 CM51, CM65																							
02 (DIC)	Terminating System in Day Mode for incoming C.O. Calls Note 1 Note 2	00 01 02 03 04 05 06 07 08 09 10	Trunk-Direct Appearance Trunk-Direct Appearance + TAS Direct-In Termination Automated Attendant	CM30 YY = 18 CM30 YY = 04 CM49, CM64																							

COMMAND CODE		TITLE: TRUNK DATA
MAT	30	

◀: Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02 (DIC)	Terminating System in Day Mode for incoming C.O. Calls Note 1 Note 2	11	ATTCON+Trunk Line Appearance	CM30 YY =17
		12		
		13	TAS	
		14	Termination to ATTCON	
		16	Direct Inward System Access (DISA)	
		17		
		18	ISDN Indial	
		19	ATTCON+TAS	
		20	ATTCON+Trunk-Direct Appearance+TAS	
		22	Roaming Termination	
		31 ◀	DID, TIE and any call which is not handled by the PBX	
03 (NIC)	Terminating System in Night Mode for incoming C.O. Calls Note 1 Note 2	00		CM30 YY=18
		01		
		02	Trunk Line Appearance	
		03	Trunk Line Appearance+TAS	CM30 YY=05
		04	Night Station/Direct-In Termination	
		05		
		06		
		07		
		08		
		09	Automated Attendant	CM49, CM64
		10		
		11	ATTCON+Trunk Line Appearance	CM30 YY=17
		12		
		13	TAS	
		14	Termination to ATTCON	
		16	Direct Inward System Access (DISA)	
		17		
18	ISDN Indial			
19	ATTCON+TAS			
20	ATTCON+Trunk-Direct Appearance+TAS			
22	Roaming Termination			
31 ◀	DID, TIE and any call which is not handled by the PBX			

COMMAND CODE		TITLE: TRUNK DATA
MAT	30	

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04 (DDIT)	Direct-In Termination in Day Mode	X ? XXXX	Station Number for Direct-In Termination in Day Mode	CM10, 11
		CXX	Abbreviated Code of System Speed Dialing for DIT-Outside (XX=00-31)	CM71-66 CM35 YY=40
		EBXXX	Digital Announcement Trunk Circuit Number (XXX=000-127)	CM10, CM15 YY=33 CM20-A00, A01, A02 CM49 YY=03000
05 (NDIT)	Direct-In Termination in Night Mode	X ? XXXX	Station Number for Direct-In Termination in Night Mode: Night Connection-Fixed	CM10, 11 CM08-179
		CXX	Abbreviated Code of System Speed Dialing for DIT-Outside (XX=00-31)	CM71-66 CM35 YY=40
		EBXXX	Digital Announcement Trunk Circuit Number (XXX=000-127)	CM10, CM15 YY=33 CM20-A00, A01, A02 CM49 YY=03000
07 (IPRA)	Assignment of CIC (Circuit Identification Code) used for ISDN-Primary Rate Access	000 ? 029	CIC 000 ? CIC 029	CM07 YY = 01
08 (NTMB)	Restriction of outgoing connection during night mode	0 1 ◀	Restricted Allowed	CM60 CM61
09 (TRKG)	Trunk Group Number Note: <i>Paging Trunks cannot be assigned to the Trunk Group Busy Lamp.</i>	01 ? 62	01-62 Identification of Trunk Group Busy Lamps on an external display device (CM44) or on the Multiline Terminal/AT-TCOM (CM90)	CM44-11XX CM90-F1201-F1262

COMMAND CODE		TITLE:		
MAT 30		TRUNK DATA		
				◀: Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
13 (DBSY)	Handling of busy/not available Direct-In Termination destination in Day mode.	00 01 02 03 04 05 06 ? 15 ◀	Forward to TAS BUZZER Indication Forward to ATTCON Automatic Camp-On Keep the call ringing (Wait until the station becomes idle)	CM44, CM53
14 (NBSY)	Handling of busy/not available Direct-In Termination destination in Night Mode	00 ? 15 ◀	Same as YY = 13	
15 (DDNA)	Handling of unanswered calls to Direct-in Termination destinations in Day Mode	00 01 02 03 04 ? 14 15 ◀	ATTCON TAS Not Used ? Not Used Keep the call ringing	CM41 Y=0 Function No. 01
16 (NDNA)	Handling of unanswered calls to Direct-in Termination destinations in Night Mode	00 01 02 03 04 ? 14 15 ◀	ATTCON TAS Not Used ? Not Used Keep the call ringing	CM41 Y=0 Function No. 01
17 (TASG)	Trunk Answer Any Station (TAS) Group	00 ? 63	TAS Group Number	CM44-13XX CM10-E6XX XX: TAS Group No. 00-63
18 (MAST)	Trunk-Direct Appearance	0 1 ◀	To be Provided Not to be Provided	CM30 YY=02, 03
19 (LDN)	Assignment of Trunk ID code/ ISDN Subscriber's Number	XXXX	Trunk ID code/ ISDN Subscriber's Number Note 3	CM30 YY=34 CM50 YY=05

COMMAND CODE		TITLE:										
MAT 30		TRUNK DATA										
◀: Initial Data												
YY		SETTING DATA		RELATED COMMAND								
No.	MEANING	DATA	MEANING									
28 (PAGA)	Paging Answer Zone/Kind of Paging	XX	<table border="0"> <tr> <td>X</td> <td>X</td> <td rowspan="2">Kind of Paging</td> </tr> <tr> <td>└──</td> <td>└──</td> </tr> <tr> <td></td> <td></td> <td>Paging Answer Zone</td> </tr> </table>	X	X	Kind of Paging	└──	└──			Paging Answer Zone	CM20 – 070 ? CM20 – 079 CM44 – 02XX
			X	X	Kind of Paging							
			└──	└──								
		Paging Answer Zone										
Paging Answer Zone 0: Paging Answer Zone 0 9: Paging Answer Zone 9												
		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 is sent automatically	CM35 YY=08 CM35 YY=08, 13									
30 (DRAD)	Handling of busy/not available Automated Attendant/Direct Inward System Access (DISA) destination in Day mode. Note: For DISA, this data is effective only for a station call.	00	Disconnection	CM41 (Y=0 No. 34) CM45								
		01	Forward to TAS Indicator									
		02										
		03	Forward to ATTCON									
		04	Forward to DIT Station									
		05	Music and DT Connection (Redial)	CM30 YY=04, 05								
		06	DT Connection (Redial)									
		07										
		08	Automated Attendant: Announcement and DT Connection (Redial) or DISA: Disconnection	CM49 YY=02, CM48 Y=2								
			Note: When providing a night message for automated attendant, the 2nd answering message, which is assigned by CM49 YY=00 2nd data 02XX, is used for the night message. In that case, the 2nd data 08 of CM30 YY=30, 31 cannot be specified for handling of busy/not available automated attendant destination.									
		15 ◀ Disconnection										

COMMAND CODE		TITLE:		
MAT 30		TRUNK DATA		
				◀: Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
31 (NRAD)	Handling of busy/not available/ Automated Attendant/ Direct Inward System Access (DISA) in night mode. Note: <i>For DISA, this data is effective only for a station call.</i>	00 ? 15 ◀	Same as YY=30	CM41 (Y=0 No. 34) CM45

This page is for your notes.

COMMAND CODE		TITLE: TRUNK DATA
MAT	30	

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
32 (RATO)	Handling of timed-out Automated Attendant Call in Day mode.	00	Disconnection	CM41 Y=0 Function No. 43 CM45 CM30 YY=04, 05 CM48 Y=2
		01	Forward to TAS Indicator	
		02		
		03	Forward to ATTCON	
		04	Forward to DIT Station	
		06	DT Connection (Redial)	
		07		
		15 ◀	Disconnection	
33 (RAB)	When YY=30, 31 is set to data 08, if all DTMF Receivers are busy.	00	Disconnection	CM45
		01	Forward to TAS Indicator	
		02		
		03	Forward to ATTCON	
		04		
		07		
15 ◀	Disconnection			
34 (ILOC)	Assignment of ISDN local Office Code Table Number	00	Local Office Table No. 00	CM50 YY=05
		?	?	
		14	Local Office Code Table No. 14	
		15 ◀	Not Assigned	
35 (CIC7)	Assignment of CIC (Circuit Identification Code) used for No.7 CCIS	001	CIC 001	CM30 YY=02, 03
		?	?	
		127	CIC 127	
37	Handling of timed-out Automated Attendant Call in Night mode	00	Disconnection	CM41 Y=0 Function No. 43 CM45 CM30 YY=04, 05 CM48 Y=2
		01	Forward to TAS Indicator	
		02		
		03	Forward to ATTCON	
		04	Forward to DIT Station	
		06	DT Connection (Redial)	
		07		
		15 ◀	Disconnection	

Note 1: When data 02, 03, 11 or 20 is assigned, the data for YY=18 should be set to 0.

Note 2: For DIDs and Tie Lines, YY = 02 and YY = 03 should be set to 31.

Note 3: For individual trunk access, it is necessary to assign the Trunk ID code in YY=19. The codes assigned are the Trunk ID codes to be displayed on the ATTCON or Multiline Terminal.

COMMAND CODE	TITLE: SYSTEM ATTRIBUTE DATA
MAT 31	

1. FUNCTION:

This command is used to assign the system attribute data.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

◀: Initial Data

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
1	0	MF PAD Control to incoming signal	0 1 2 3 4 ? 7 ◀	-8 dBm -10 dBm -11.5 dBm -9.13 dBm] Not used
	1	Sensitivity Level of MF Receiver INITIAL	00 ? 14 15 ◀	-21 dBm ? -35 dBm -36 dBm (-1 dBm increments)
	2	Number of received digits of called number from T1 network INITIAL	NONE ◀ 01 ? 31	None 1 digit ? 31 digits
	3	Number of received digits of ANI Signal/Caller ID from network INITIAL	NONE ◀ 01 ? 31	None 1 digit ? 31 digits

COMMAND CODE		TITLE:			
(MAT) 31		SYSTEM ATTRIBUTE DATA			
					◀: Initial Data
Y	1ST DATA		2ND DATA		
	DATA	MEANING	DATA	MEANING	
2	0	AP Number 0	0	Designation of MF/Caller ID	
	1	1	1	Receiver/911 Sender to each circuit	
	3	AP Number 3	3 ◀	(No. 0-3)	
		(INITIAL)		<u>DATA</u>	<u>RECEIVER</u>
		Note: AP Number (0-3) correspond to the Slot Numbers assigned by CM05 as shown below.		0	No. 0-3 as Sender
		AP Number 0: Slot Number X		1	No. 2, 3 as Receiver
		AP Number 1: Slot Number Y		2	No. 0, 1 as Receiver
		AP Number 2: Slot Number Z		3	No. 0-3 as Receiver
		AP Number 3: Slot Number W			
		(X<Y<Z<W)			
3	00	Assignment of signal pattern received from T1 network	NONE ◀	ANI + Called Number	
			01	Called Number + ANI	
		(INITIAL)	02	ANI	
			03	Called Number Note 1	
A	14	Number of digits to be deleted from ANI	NONE ◀	No digit deletion	
			00	No digit deletion	
			01	Leading one digit deletion	
			1	1	
			10	Leading 8 digits deletion	
16	Sending of ACK-WINK signal to DTI on receiving MF signal	0	To be sent		
		1 ◀	Not to be sent Note 2		
17	Signal kind of Called Number sent from T1 network	0	DP		
		1 ◀	DTMF Note 3		
18	Sending of ACK-WINK signal to DTI on receiving DP signal	0	To be sent		
		1 ◀	Not to be sent Note 3		
B	05	Supervisory timer of interdigital pause on incoming call	NONE ◀	24 sec.	
			01	1 sec.	
			1	1	
			31	31 sec.	
		(INITIAL)			
<p>Note 1: When the signal pattern from T-1 network is FGD format, assign the data to "None". When the signal pattern from T-1 network is ANI format, assign the data to "02".</p> <p>Note 2: 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 the data "1".</p> <p>Note 3: 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 the data to "1". When the signal pattern from T-1 network ANI format, assign the data "0".</p>					

COMMAND CODE	TITLE: TRUNK ROUTE DATA
MAT 35	

1. FUNCTION:

This command assigns trunk route characteristics. A trunk route is a group of trunks with common characteristics used for a common purpose.

2. PRECAUTION:

(1) The following table shows the value of the Central Office Trunk (COT/DID) PAD or Tie Line Trunk (ODT/DTI) PAD assigned by YY=19, Data 4 – 7. (T:Transmitter PAD [dB], R:Receiver PAD [dB])

**+: Gain
-: Loss**

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-ODT (4W E&M)			-2/-2	0/0
ODT (4W E&M)-ODT (4W E&M)			0/0	0/0
DTI-ODT (4W E&M)			0/0	0/0
Station-COT/DID/ODT (2W E&M)			0/+6	0/+6
Tone-COT/DID/ODT (2W E&M)			0/0	0/0
COT/DID-COT/DID/ODT(2W E&M)			0/0	0/0
ODT (4W E&M)-COT/DID/ODT (2W E&M)			0/0	0/0
DTI-COT/DID/ODT (2W E&M)			0/0	0/0
Station-DTI	-3/-8	-3/-3	-3/-3	-3/-8
Tone-DTI	0/0	0/0	0/0	0/0
COT/DID/ODT (2W E&M)-DTI	0/0	0/0	0/0	0/0
ODT (4W E&M)-DTI	+3/-3	0/0	0/0	+3/-3
DTI-DTI	0/-6	0/0	0/-6	0/0

COMMAND CODE	TITLE:
MAT 35	TRUNK ROUTE DATA

(2) When assigning a Tie Line, the data in YY = 09 (Incoming Call Signaling System) should be similar to that of YY = 20 (Sender Starting Condition). The following table shows the assignment of the Sender Starting Condition in relation to the Incoming Call Signaling System.

INCOMING CALL SIGNALING SYSTEM (YY = 09)	SENDER STARTING CONDITION (YY = 20); () = data to be assigned	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.

(3) This command is included in MAT mode menu "B2" (Trunk Route data [COM01]).

3. ASSIGNMENT PROCEDURE:

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

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

4. DATA TABLE:

◀ : Initial Data

YY/YYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (TK)	Kind of Trunk Route	00 01 02 03 04 05 06 ? 15 ◀	DDD (C.O., DID) Trunk/ISDN Trunk FX Trunk WATS Trunk CCSA Trunk TIE (Tie Line) Trunk Paging Trunk/Interface with BGM Tone Source and Wake-Up Announce Not used	
01 (PBDP)	Dialing Signal Type	0 1 2 3 4 5 6 7 ◀	<u>[Call Termination]</u> <u>[Call Origination]</u> DP DP DTMF DTMF DP/DTMF DTMF	
02 (OGIC)	Call Direction	0 1 2 3 ◀	Incoming Trunk Outgoing Trunk Bothway Trunk	
03 (NAME)	Trunk Name Number	00 ? 14 15 ◀ 16 ? 63	Trunk Name 00 ? Trunk Name 14 Kind of Trunk Route assigned by CM35 YY = 00 is displayed. Trunk Name 16 ? Trunk Name 63	CM77 Y = 2, 3
	Local Office Code Table Number used for tandem connection (For Enhanced 911)	00 ? 15 ◀ ? 63	Local Office Code Table No. 00-14 Not send calling number	

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
				◀: Initial Data
YY/YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04 (ANS)	Application of answer signal from the distant office for outgoing connection.	0 1 2 3 4 ? 7 ◀	Battery Reversal (C.O. line) Answer Signal arrives (Tie line/ISDN) Answer Signal does not arrive (Polarity Reversal is ignored and Answer timing shall be set by CM41 Y=0 Function No. 03) Answer Signal does not arrive (Tie line/C.O. Line, Answer timing shall be set by CM41 Y = 0 Function No. 03)	
05 (RLS)	Application of release signal from the distant office for an outgoing connection or an incoming connection	0 1 ◀	Release signal does not arrive (Ground Start/Loop Start C.O. without Release Signal) Release signal arrives (Tie line/Ground Start/Loop Start with Release Signal/DID)	
08 (DIAL)	Sending the dial pulse on an 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 (SIGI)	Incoming Connection Signaling	00 01 02 03 04 05 06 07 08 15 ◀	Ring Down (Ground Start C.O.) Wink Start Delay Dial Immediate Start 2nd DT/Timing Start-Tie Line ISDN Indial Ring Down (Loop Start C.O.)	CM35 YY = 20
10 (DT)	2nd DT Sending on Call Termination	0 1 ◀	2nd DT is not sent (DID, etc.) 2nd DT is sent	

COMMAND CODE		TITLE:			
(MAT) 35		TRUNK ROUTE DATA			
◀ : Initial Data					
YY/YYY		SETTING DATA		RELATED COMMAND	
No.	MEANING	DATA	MEANING		
11 (TRP)	Toll Restriction	0 1 2 3 ◀	To provide Not to provide	CM81, CM8A CM85 CM35 YY = 76	
12 (PDG)	Number of digits to be received on DID.	0 1 2 3 ◀	1 digit 2 digits 3 digits 4 digits	CM76 CM35 YY = 18	
13 (MAXD)	Maximum number of sending digits allowed on Outgoing Connection: With respect to C.O. Trunks, data assignment is not required.	NONE ◀ 000 001 002 003 004 005 ? } 031	<u>Ordinary TRK</u> Determined by CM35 YY = 76 Note 1 - 1 digit 2 digits 3 digits 4 digits 5 digits ? } 31 digits	<u>Radio Paging TRK</u> 2 digits + STN Note 2 Only dialed No. is sent 1 digit + STN 2 digits + STN 3 digits + STN 4 digits + STN 2 digits + STN	CM30 YY = 28
14 (SMDO)	SMDR/Centralized Billing-CCIS for outgoing call	0 1 ◀	Not to provide To provide	CM13 YY = 06	

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
				◀ : Initial Data
YY/YYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
15 (ICI)	Kind of Call Termination Indicator Key/Lamp on ATTCON. With respect to incoming calls of the same kind (C.O. Incoming Calls, Tie Line Incoming Calls), Call Termination Indicator lamps on the ATTCON, the kinds of incoming calls are further categorized.	00 01 02 03 04 05 06 07 10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27 30 31 32 33 34 35 36 37 40 41 42 43 44 45 46 47 75	C.O. Incoming 0 (Standard "LDN" key) C.O. Incoming 1 C.O. Incoming 2 C.O. Incoming 3 C.O. Incoming 4 C.O. Incoming 5 C.O. Incoming 6 C.O. Incoming 7 FX Incoming 0 (Standard "FX" key) FX Incoming 1 FX Incoming 2 FX Incoming 3 FX Incoming 4 FX Incoming 5 FX Incoming 6 FX Incoming 7 WATS Incoming 0 (Standard "WATS" key) WATS Incoming 1 WATS Incoming 2 WATS Incoming 3 WATS Incoming 4 WATS Incoming 5 WATS Incoming 6 WATS Incoming 7 CCSA Incoming 0 (Standard "CCSA" key) CCSA Incoming 1 CCSA Incoming 2 CCSA Incoming 3 CCSA Incoming 4 CCSA Incoming 5 CCSA Incoming 6 CCSA Incoming 7 Tie Line Incoming 0 (Standard "TIE" key) Tie Line Incoming 1 Tie Line Incoming 2 Tie Line Incoming 3 Tie Line Incoming 4 Tie Line Incoming 5 Tie Line Incoming 6 Tie Line Incoming 7 Call Termination via No. 7CCIS	CM90 CM50
	Note 1: <i>When standard lamp indications are utilized, assign data for standard assignment for each incoming call.</i>			
	Note 2: <i>Correspondence between key positions on the ATTCON and the assignment data should be assigned in CM90.</i>			

COMMAND CODE		TITLE:												
MAT 35		TRUNK ROUTE DATA												
◀ : Initial Data														
YY/YYYY		SETTING DATA		RELATED COMMAND										
No.	MEANING	DATA	MEANING											
16 (SHF)	Sending of Hook Flash to outside	0 1 ◀	Not sending Sending	CM90 YY = 00 DATA = F1009 CM41 Y = 2 Function No. = 17										
17 (SKP)	Digit addition and deletion at the time of a Tie Line Incoming Call: On an incoming call from a Tie Line, if number of digits arriving from distant office does not coincide with number of digits of a station 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 13 14 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 YY = 00, 1st Data: 0) 1 digit deletion 2 digits deletion Addition/deletion not performed											
18 (DID)	Digit conversion on DID call	0 1 ◀	To provide Not provided	CM76										
19 (PAD)	PAD Control of C.O. Line or Tie line	0 1 2 3 4 5 6 7 ◀	<table border="0" style="border-collapse: collapse;"> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">1</td> <td rowspan="3" style="font-size: 2em; vertical-align: middle;">}</td> <td rowspan="3">Programmable PAD (See CM42)</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">2</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">3</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">4</td> <td rowspan="3" style="font-size: 2em; vertical-align: middle;">}</td> <td rowspan="3">Fixed PAD (See PRECAUTION [1])</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">5</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">6</td> </tr> </table>	1	}	Programmable PAD (See CM42)	2	3	4	}	Fixed PAD (See PRECAUTION [1])	5	6	CM42
1	}	Programmable PAD (See CM42)												
2														
3														
4	}	Fixed PAD (See PRECAUTION [1])												
5														
6														
20 (SNDS)	Sender Start Condition	00 01 02 ? 14 15 ◀	Wink Start Delay Dial Ground Start Timing Start (Prepause per YY = 21)	CM35 YY = 09										

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
◀ : Initial Data				
YY/YYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
21 (PPT)	Sender Prepause Timing	00	0 sec	CM08-193, 194, 331 CM35 YY = 43
		01	0.5 sec	
		02	1.0 sec	
		03	1.5 sec	
		04	2.0 sec	
		05	2.5 sec	
		06	4.0 sec	
		07	5.0 sec	
		08	6.0 sec	
		09	7.0 sec	
		10	8.0 sec	
		11	9.0 sec	
		12	10.0 sec	
		13	11.0 sec	
		14	12.0 sec	
15	3.0 sec			
22	Automatic Live Recording Activation	0	Start automatically	
		1	Not available Note: <i>When this command is activated, data assignments must also be made in CM08-141, CM35, YY = 22, and/or CM76, Y = 8.</i>	
23 (IDDP)	DP Inter-Digital Pause	0	300 ms	
		1	400 ms	
		2	500 ms	
		3	600 ms	
		4	700 ms	
		5	900 ms	
		6	1100 ms	
7	800 ms			
24 (IDPB)	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 (DPLS)	DP Make Ratio	0	39 % Make Ratio	
		1	33 % Make Ratio	
26 (PBLs)	DTMF Signal Width	0	64 ms	
		1	128 ms	

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
◀ : Initial Data				
YY/YYYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
28 (OGQ)	Trunk Queuing-Outgoing	0 1 ◀	Not allowed Allowed	CM15 YY = 02
32 (LEDI)	Distinctive LED indication on a Multiline Terminal during external incoming call termination	0 1 ◀	Green (LED : 120 IPM) Red (LED : 120 IPM) Note 3	
33 (RG)	Interval of ringing signal to station on incoming calls.	0 1 2 3 ◀	0.4 s ON-0.2 s OFF-0.4 s ON-2 s OFF 0.4 s ON-0.2 s OFF-0.4 s ON-2 s OFF 1 s ON-2 s OFF 2 s ON-4 s OFF Note 4	
34 (TONE)	Multiline Terminal Tone Ringer on Incoming calls	0 1 2 3 ◀	1024 + 1285 x 16 (Hz) 480 + (606 x 8) (Hz) 600 + 700 (Hz) 480 + (606 x 16) (Hz)	CM08-390 CM15 YY = 83, 84
36	Determine trunk seizure facility	0 1 ◀	After dialing maximum number of digits After completing dialed digits entered in CM8A YYY=405-407	
37	MF Signaling on DID	0 1 ◀	Available Not available	CM31
38	Enhanced 911	0 1 ◀	To provide Not provided	
39 (RVTV)	Trunk release by detection of reversal of tip and ring. (Detected on release of called party). (In case of outgoing C.O. line call)	0 1 ◀	Not released To release	
40 (AC)	Abbreviated codes for speed dialing whose transferring destinations have been designated (at the time when call is routed to C.O. line because all tie lines are busy).	00 ? 31 ◀	Abbreviated Codes for System Speed Dialing assigned by CM71, 1st data = 66.	CM71 1st data = 66 CM71
43 (BWPC)	Bothway path connection between PB Sta. and PB trunk when providing sender pre-pause	00 01 ? 14 15 ◀	To connect Not used ? Not used Not to connect Note 5	CM08-193, 194, 331 CM35

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
				◀ : Initial Data
YY/YYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
44 (S2DC)	Trunk Access Code sent to SMDR for outgoing call	0 00 ? or ? 9 99	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.	
45 (RDP)	DP sender release timing	0 1 2 3 4 5 6 7 ◀	2 sec 4 sec 6 sec 8 sec 12 sec 14 sec 16 sec 10 sec	
46 (RPB)	DTMF sender release timing	0 1 2 3 4 5 6 7 ◀	2 sec 4 sec 6 sec 8 sec 12 sec 14 sec 16 sec 10 sec	
48	Sending Busy/Idle information to network	0 1 ◀	Not available Available	
49 (SMDI)	SMDR/Centralized Billing-CCIS for Incoming Call	0 1 ◀	To provide Not provided	CM13 YY = 05
51 (ORCA)	Restriction of Outgoing Connection (Unrestricted) (RCA)	0 1 ◀	Restricted Allowed	CM12 YY = 01
52 (ORCB)	Restriction of Outgoing Connection (Non-Restricted-1) (RCB)	0 1 ◀	Restricted Allowed	
53 (ORCC)	Restriction of Outgoing Connection (Non-Restricted-2) (RCC)	0 1 ◀	Restricted Allowed	
54 (ORCD)	Restriction of Outgoing Connection (Semi-Restricted-1) (RCD)	0 1 ◀	Restricted Allowed	
55 (ORCE)	Restriction of Outgoing Connection (Semi-Restricted-2)	0 1 ◀	Restricted Allowed	

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
				◀ : Initial Data
YY/YYYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
56 (ORCF)	Restriction of Outgoing Connection Restriction of Outgoing	0 1 ◀	Restricted Allowed	Note 6
57 (ORCG)	Restriction of Outgoing Connection (Restricted-2) (RCG)	0 1 ◀	Restricted Allowed	Note 6
58 (ORCH)	Restriction of Outgoing Connection (Fully-Restricted) (RCH)	0 1 ◀	Restricted Allowed	Note 6
59	Call Waiting for DID call	0 1 ◀	To provide Not provided	CM08-367 CM42-18
60	Priority Queuing	0 1 ◀	To provide Not provided	
61 (IRCA)	Restriction of Incoming Connection to Station (Unrestricted) (RCA)	0 1 ◀	Restricted Allowed	CM12 YY = 01
62 (IRCB)	Restriction of Incoming Connection to Station (Non-Restricted-1) (RCB)	0 1 ◀	Restricted Allowed	CM12 YY = 01
63 (IRCC)	Restriction of Incoming Connection to Station (Non-Restricted-2) (RCC)	0 1 ◀	Restricted Allowed	
64 (IRCD)	Restriction of Incoming Connection to Station (Semi-Restricted-1) (RCD)	0 1 ◀	Restricted Allowed	
65 (IRCE)	Restriction of Incoming Connection to Station (Semi-Restricted-2) (RCE)	0 1 ◀	Restricted Allowed	
66 (IRCF)	Restriction of Incoming Connection to Station (Restricted-1) (RCF)	0 1 ◀	Restricted Allowed	
67 (IRCG)	Restriction of Incoming Connection to Station (Restricted-2) (RCG)	0 1 ◀	Restricted Allowed	
68 (IRCH)	Restriction of Incoming Connection to Station (Fully-Restricted) (RCH)	0 1 ◀	Restricted Allowed		Note 7

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
◀: Initial Data				
YY/YYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
69 (AN0)	Announcement Service Group 0	0 1 ◀	Restricted Allowed	CM20, A03-A09 CM49 YY = 00 – 04XX CM15 YY = 34 – 39
70 (AN1)	Announcement Service Group 1	0 1 ◀	Restricted Allowed	
71 (AN2)	Announcement Service Group 2	0 1 ◀	Restricted Allowed	
72 (AN3)	Announcement Service Group 3	0 1 ◀	Restricted Allowed	
73 (AN4)	Announcement Service Group 4	0 1 ◀	Restricted Allowed	
74 (VRAN)	Attendant Delay Announce- ment	0 1 ◀	Allowed Restricted	CM49 YY = 00, 0A
75	DID incoming LDN display on Multiline Terminal/ ATTCON	0 1 ◀	Available Not available (Trunk ID code assigned by CM30 YY=19 is displayed.) Note 1: <i>Up to 4 digits LDN are avail- able.</i> Note 2: <i>The DID incoming LDN is displayed irrespective of any digit conversion by CM76.</i>	CM30 YY = 19
76 (DCP)	Designation of Area Code De- velopment Pattern No. for Toll Restriction Analysis, and Maximum Digit Analysis.	00 ? 07 15 ◀	Area Code Development Pattern No. 0 ? Area Code Development Pattern No. 7 Not used	CM8A YYY = 400 – 407 CM85 Y = 0 – 7
78	Digit conversion of leading 2 – 4 digits of DID incoming LDN	0 1 ◀	Available Not available (All digits of DID incoming LDN are converted by CM76).	CM35 YY = 12, 18 CM76
83 (SER)	Trunk Seizing Sequence	0 1 ◀	Begin from lowest numbered trunk By allotter	CM08-078
86 (CTX)	Centrex Trunk	0 1 ◀	To provide Not provided	

COMMAND CODE		TITLE:		
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> 35		TRUNK ROUTE DATA		
◀: Initial Data				
YY/YYYY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
87	Distinctive Ringing by detecting the ringing signal from the Main PBX (or Centrex).	0 1 ◀	To provide Not provided Note 1: <i>When this function is utilized, be sure to set Trunk Line Appearance as the terminating method (CM30 YY = 02, 03, set for 02).</i> Note 2: <i>Tone Ringer is selected by CM35 YY = 34; lamp control is set by CM35 YY = 32.</i>	CM30 YY = 02, 03 CM30 YY = 18
89 (CRCD)	Cyclic Redundancy Checking for DTI Trunk	0 1 ◀	To provide Not provided	
90 (SPFA)	Assignment of Special Facilities	0 1 2 3 4 5 6 7 ◀	No. 7 CCIS Not used Basic Rate Interface ISDN-Primary Rate Interface] Not used PBX-PBX Interface Not used	
91 (CCH7)	Assignment of Common Channel Handler (CCH) Number used for No. 7 CCIS	0 1 3	CCH 0 1 CCH 3	CM06 YY = 07 CMA7, A8
92 (CDTI)	Assignment of Digital Data Transmission via DDI/No. 7 CCIS	0 1 2 3 4 5 6 7 ◀	Digital Data Transmission (48 Kbps) Digital Data Transmission (56 Kbps) Digital Data Transmission (64 Kbps) Reversal of F & S Bits] Not used Data Transmission via Modem	
93 (DCHI)	Assignment of D Channel Handler (DCH) Number	00 1 04 15 ◀	DCH 0 1 DCH 4 Not used	CM06 YY=08

COMMAND CODE		TITLE:										
MAT 35		TRUNK ROUTE DATA										
◀: Initial Data												
YY/YYY		SETTING DATA		RELATED COMMAND								
No.	MEANING	DATA	MEANING									
97	Assignment of route-class data in CCIS Route to Route Restriction	XX	X X └─ Night Trunk Restriction class └─ Day Trunk Restriction class Assignment data is the same as CM12 YY=01									
98	Designated seizure of trunks for Private Lines	0 1 ◀	Allow Restricted	CM12 YY=16 CM42-08								
100	Assignment of Terminating Impedance for C.O. line INITIAL	00 ◀ 01 02 14	600 ohm (for regular/long line) Balanced Network Imp.: complex 900 ohm Balanced Network Imp.: complex 600 ohm (for short line/behind PBX) Balanced Network Imp.: 600 ohm 2-wire E&M Trunk									
104	Polarity of 2-wire E&M/ 4-wire E&M Trunk (PN-2ODT)	1 2 3 ◀	<table border="0"> <tr> <td><u>E wire</u></td> <td><u>M wire</u></td> </tr> <tr> <td>Open</td> <td>Open</td> </tr> <tr> <td>Ground</td> <td>Battery</td> </tr> <tr> <td>Ground</td> <td>Ground</td> </tr> </table>	<u>E wire</u>	<u>M wire</u>	Open	Open	Ground	Battery	Ground	Ground	
<u>E wire</u>	<u>M wire</u>											
Open	Open											
Ground	Battery											
Ground	Ground											
105	Purpose of 2-wire E&M/ 4-wire E&M Trunk (PN-2ODT) Note 8	0 1 ◀	2-wire E&M Trunk 4-wire E&M Trunk									
113	LAPD Mode of D channel Route AP INITIAL	0 1 ◀	Network mode User mode									
117	Forced disconnect of tandem connection for incoming trunk	0 1 ◀	Allow Not allowed	CM08-029								
127	Whether virtual tie line is re-leased when there are no calls for predetermined time	0 1 ◀	Released Not released									
129	Sending method of calling number from/to network	0 1 3 7 ◀	Caller ID (CLASS) T1-ANI Enhanced 911 MFC-R2									

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
◀: Initial Data				
YY/YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
135	Kind of trunk route for voice channel and common signaling channel	0 1 ◀	Event Based CCIS Route Other Trunk Route	
138	Sending of received ANI information from network to VMS with MCI	0 1 ◀	To send Not sent	
139	Roaming Service assignment for Virtual COT route	0 1 ◀	Available Not available	CM30 YY=00
140	Roaming Service	0 1 ◀	Available Not available	
141	Pursuit function after roaming PS	0 1 ◀	Provide Not provided	
142	Protocol type between PBXs AP INITIAL	1 7 ◀	Q931 a-Digital None	
143	Method for corresponding of virtual trunks numbers between the offices on Event Based CCIS	0 1 ◀	By Sub-address No. By dialed-in digits	
146	Trunk ID code assigned by CM30 YY=19 displays on Multiline Terminal LCD	0 1 ◀	Available Not available (Calling/Called Sub address is displayed.)	CM30 YY=19

COMMAND CODE	TITLE:
MAT 35	TRUNK ROUTE DATA
<p>Note 1: <i>In case of CM35 YY = 76, Data = 15, not specified (release the sender by time out or by answer signal from the called distant office). In case of CM35 YY = 76, Data = 00 – 04, specified by the dialed digits assigned by CM85.</i></p> <p>Note 2: <i>STN means the calling party's station number, and this number is sent automatically by CM30 – 28, Data = x6.</i></p> <p>Note 3: <i>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.</i></p> <p>Note 4: <i>For incoming calls to a Trunk-Direct Appearance key on Multiline Terminal, the special ringing; 0.2 sec. ON – 0.2 sec. OFF is applied.</i></p> <p>Note 5: <i>Maximum number digit analysis should be provided to prevent one way calls (See CM35 YY = 76, CM85 and CM8A YYY = 400 – 407).</i></p> <p>Note 6: <i>When the Trunk Route is assigned as a C.O. line, the data for YY = 56, 57 and 58 are automatically set to "Restricted".</i></p> <p>Note 7: <i>When the Trunk Route is assigned as a C.O. line, the data for YY = 68 is automatically set to "Restricted".</i></p> <p>Note 8: <i>Both circuits must be set as either 2-wire or 4-wire in one PN-2ODT card; they cannot be both.</i></p>	

This page is for your notes.

COMMAND CODE	TITLE: RESTRICTION DATA FOR TANDEM CONNECTION
36	

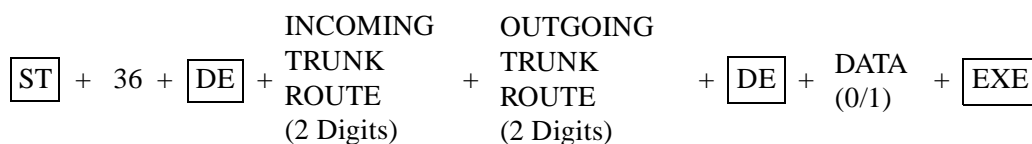
1. FUNCTION:

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.

2. PRECAUTION:

Any incoming Trunk Route assigned to "No release signal" in CM35 YY=05, is restricted from tandem connection.

3. ASSIGNMENT PROCEDURE:



Note

4. DATA TABLE:

◀ : Initial Data

INCOMING CALL TRUNK ROUTE	OUTGOING TRUNK ROUTE	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00	00	0	Allowed	CM35 YY = 05
?	?			
63	63	1 ◀	Restricted	

Note: The 2-digit Incoming Trunk Route number and the 2-digit Outgoing Trunk Route number are entered as a concatenated 4-digit number. For example, the value "1824" would represent Incoming Trunk Route "18" and Outgoing Trunk Route 24.

COMMAND CODE	TITLE:																								
38	AMP TRUNK																								
<p>1. FUNCTION:</p> <p>This command is used to define the AMP Trunk controlled data.</p>																									
<p>2. PRECAUTION:</p> <p>None</p>																									
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 38YY + DE + INCOMING/OUTGOING TRUNK ROUTE + DE or AMP PATTERN NUMBER(4 digits or 2 digits) + DATA (1-2 digits) + EXE </p>																									
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 10%;">YY</th> <th rowspan="2" style="width: 30%;">INCOMING/OUTGOING TRUNK ROUTE NO. AMP PATTERN NO.</th> <th colspan="2" style="width: 50%;">SETTING DATA</th> <th rowspan="2" style="width: 10%;">RELATED COMMAND</th> </tr> <tr> <th style="width: 15%;">DATA</th> <th style="width: 35%;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">00</td> <td style="vertical-align: top;"> <div style="display: flex; justify-content: space-between;"> XX XX </div> <div style="margin-left: 20px;"> <p>└── Outgoing Trunk Route No.</p> <p>└── Incoming Trunk Route No.</p> </div> </td> <td style="vertical-align: top;"> 00 ? 14 15 ◀ </td> <td style="vertical-align: top;"> AMP Pattern Number 00 ? AMP Pattern Number 14 Not use the AMP Trunk </td> <td></td> </tr> <tr> <td style="text-align: center;">01</td> <td style="vertical-align: top;"> AMP Pattern Number 00 ? AMP Pattern Number 14 </td> <td style="vertical-align: top;"> <div style="display: flex; justify-content: space-between;"> XX </div> </td> <td style="vertical-align: top;"> Assignment of gain value Fixed Gain 0 : 12dB 1 : 8dB 2 : 4dB 3 ◀: 0dB AGC(Automatic Gain Control) 0 : 0 dbr 1 : +4dbr 2 : -4dbr 3 ◀: Through (Assigned by Fixed Gain) </td> <td></td> </tr> <tr> <td style="text-align: center;">02</td> <td></td> <td style="vertical-align: top;"> 0 1 ◀ </td> <td style="vertical-align: top;"> Echo Canceller Function Through Normal </td> <td></td> </tr> </tbody> </table>				YY	INCOMING/OUTGOING TRUNK ROUTE NO. AMP PATTERN NO.	SETTING DATA		RELATED COMMAND	DATA	MEANING	00	<div style="display: flex; justify-content: space-between;"> XX XX </div> <div style="margin-left: 20px;"> <p>└── Outgoing Trunk Route No.</p> <p>└── Incoming Trunk Route No.</p> </div>	00 ? 14 15 ◀	AMP Pattern Number 00 ? AMP Pattern Number 14 Not use the AMP Trunk		01	AMP Pattern Number 00 ? AMP Pattern Number 14	<div style="display: flex; justify-content: space-between;"> XX </div>	Assignment of gain value Fixed Gain 0 : 12dB 1 : 8dB 2 : 4dB 3 ◀: 0dB AGC(Automatic Gain Control) 0 : 0 dbr 1 : +4dbr 2 : -4dbr 3 ◀: Through (Assigned by Fixed Gain)		02		0 1 ◀	Echo Canceller Function Through Normal	
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		DATA	MEANING																						
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02		0 1 ◀	Echo Canceller Function Through Normal																						

COMMAND CODE	TITLE:
38	AMP TRUNK

◀: Initial Data

YY	INCOMING/OUTGOING TRUNK ROUTE NO. AMP PATTERN NO.	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
03	AMP Pattern Number 00 2 AMP Pattern Number 14	0 1 ◀	Echo Canceller Gain Controller ON OFF	
04	AMP Pattern Number 00 2 AMP Pattern Number 14	0 1 ◀	Mode Selection of Tone Disabler G164 G165	
05	AMP Pattern Number 00 2 AMP Pattern Number 14	0 1 ◀	Detect Time of Tone Disabler 0 sec. 2 sec.	
06	AMP Pattern Number 00 2 AMP Pattern Number 14	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	AMP Pattern Number 00 2 AMP Pattern Number 14	0 1 ◀	Timing of AMP Trunk connection When dialing is finished Note When answering	

Note: CM38 YY=07 setting data 0 is effective except ISDN and CCIS lines.

COMMAND CODE	TITLE:
40	FUNCTION OF RS-232C INTERFACE CIRCUIT

1. FUNCTION:

This command is used to assign the function of the RS-232C interface circuits, mounted on the MP card.

The MP card has two RS-232C interface circuits, which are used for the following purposes:

- (1) PN-CP00/PN-CP00-B

PORT LOCATION NUMBER	PURPOSES	CONNECTOR
Port 0	Local MAT	D-SUB connector on the back wiring board (BWB).
Port 1	Remote Maintenance using external MODEM or built-in MODEM of the MP card.	RS connector on the MP card

- (2) PN-CP03

- (a) When using Built-in SMDR

PORT LOCATION NUMBER	PURPOSES	CONNECTOR
Port 0	Built-in SMDR	RS connector on the MP card
Port 1	Local MAT or Remote Maintenance using external MODEM or built-in MODEM of the MP card.	RS connector on the MP card

- (b) When not using Built-in SMDR

PORT LOCATION NUMBER	PURPOSES	CONNECTOR
Port 0	Local MAT	RS connector on the MP card
Port 1	Remote Maintenance using external MODEM or built-in MODEM of the MP card.	RS connector on the MP card

2. PRECAUTION:

None

COMMAND CODE	TITLE: FUNCTION OF RS-232C INTERFACE CIRCUIT
40	

3. ASSIGNMENT PROCEDURE:

+ 40YY + + PORT LOCATION NUMBER (0/1) + + DATA (1-4 digits) +

4. DATA TABLE:

(1) Data Assignment for MAT

(a) Purpose of RS-232C port

◀: Initial Data

YY (Note 2)		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
18	Purpose of RS-232C port	1	Port 1	0	Built-in MODEM
			Note 1	1 ◀	RS-232C

Note 1: Data assignment for Port 0 is not required because Port 0 is only used for RS-232C.

Note 2: CM40 YY=18 is not required when PN-CP03 is used.

Switch setting on PN-CP03 card is required instead of the YY=18 data assignment.

(b) Attribute Data Assignment for RS-232C port

◀: Initial Data

YY		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
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

COMMAND CODE	TITLE:
40	FUNCTION OF RS-232C INTERFACE CIRCUIT

◀: Initial Data

YY		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
08	Data Speed	0	Port 0	1	1200 bps
		1	Port 1	2	2400 bps
				3	4800 bps
				4	9600 bps
				None	◀ 1200 bps

(c) RS-232C Port Assignment for Data Load/Save/Verify

◀: Initial Data

YY		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
09	Designation of Port for Data Load/Save/Verify	1	Port 1	0	Port 1
				1	◀ Port 0

(d) Data Assignment for Built-in MODEM

◀: Initial Data

YY (Note 1, Note 2)		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
10	Station Number of built-in MODEM	1	Port 1	X	Station No. X = 0 – 9, A(*), B(#) Note 3
				? XXXX None	
11	Type of built-in MODEM	1	Port 1	5	BELL212A (1200 bps)
				6	CCITT V.22bis (2400 bps)
				7	◀ CCITT V.22 (1200 bps)

COMMAND CODE	TITLE: FUNCTION OF RS-232C INTERFACE CIRCUIT
40	

◀: Initial Data

YY (Note 1, Note 2)		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
12	Transmission Level of built-in MODEM	1	Port 1	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 ◀	-6 dBm -7 dBm -8 dBm -9 dBm -10 dBm -11 dBm -12 dBm -13 dBm -14 dBm -15 dBm -16 dBm -17 dBm -18 dBm -19 dBm -20 dBm -21 dBm

Note 1: CM40 YY = 10 – 12 are only effective when Port 1 is set for Built-in MODEM.

Note 2: CM40 YY = 10 – 12 are effective for Port 1 only.

Note 3: Station number must be an unassigned number not programmed in either CM10 or CM11.

(2) Attribute Data Assignment for RS-232C Built-in SMDR (for use with CP03 only)

◀: Initial Data

YY		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
00	Function	0	Port 0	14 None ◀	Built-in SMDR
01	Data Length	0	Port 0	0 1 ◀	7 bit 8 bit
02	Parity Check	0	Port 0	0 1 ◀	Effective Ineffective
03	Kind of Parity	0	Port 0	0 1 ◀	Even parity Odd parity
04	Stop Bit	0	Port 0	0 1 ◀	1-Stop Bit 2-Stop Bit

COMMAND CODE	TITLE: FUNCTION OF RS-232C INTERFACE CIRCUIT
40	

◀: Initial Data

YY		PORT LOCATION NUMBER		SETTING DATA	
No.	MEANING			DATA	MEANING
05	DTR signal sent to terminal	0	Port 0	0 1 ◀	Low High
06	RTS signal sent to terminal	0	Port 0	0 1 ◀	Low High
08	Data Speed	0	Port 0	1 2 3 4 None ◀	1200 bps 2400 bps 4800 bps 9600 bps 1200 bps

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

1. FUNCTION:

This command assigns System Timer data.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + 41Y + [DE] + FUNCTION NUMBER (2 digits) + [DE] + DATA (2 digits) + [EXE]

4. DATA TABLE:

Note: Initial Data in the Data Table represents the timing for the data "NONE".

Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA								INCREMENT UNIT	
				TIME									
0	00	Attendant Recall for Ring Transfer, Camp On, and un-answered call	31.2 ? 33.6 (sec.)	01	02	03	04	05	06	13	14	2.4 sec.
				0	2.4	4.8	7.2	9.6	12.0	.....	28.8	31.2
				?	?	?	?	?	?	?	?	
				2.4	4.8	7.2	9.6	12.0	14.4	.....	31.2	33.6
				15	16	17	18	19	.....	24		9.6 sec.
				28.8	38.4	48.0	57.6	67.2	.....	115.2		
				?	?	?	?	?	?			
				38.4	48.0	57.6	67.2	76.8	.....	124.8		
	01	Elapsed time before Call Forwarding –No Answer for trunk incoming call/Attendant Overflow/ Group Diversion	32 ? 36 (sec.)	01	02	03	04	05	06	29	30	4 sec.
				0	4	8	12	16	20	.....	112	116
				?	?	?	?	?	?	?	?	
				4	8	12	16	20	24	.....	116	120
	02	Path on delay single-line toll restrict defeat guard timer	1040 (ms.)	01	02	03	.....				14	80 ms.
				80	160	240	.....				1120	

COMMAND CODE		TITLE:											
41		SYSTEM TIMER DATA											
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA									INCREMENT UNIT
				TIME									
0	03	SMDR Valid Call Timer (Pseudo-Answer timer)	20	00	01	02	03	04	05	06	07	08	4 sec.
			?	4	8	12	16	20	24	28	32	36	
			24 (sec.)	?	?	?	?	?	?	?	?	?	
	04	Disconnect recognition time for trunks	0.96	01	02	03	04	05	06	13	14	0.48 sec.
			?	0	0.48	0.96	1.44	1.92	2.40	.....	5.76	6.24
			1.44 (sec.)	?	?	?	?	?	?	.....	?	?
	05	Recall Timing for Non-exclusive Hold/Call Park Note 1	60	01	02	03	.....	98	99	4 sec.		
			?	0	4	8	.....	116				
			64 (sec.)	?	?	?	.....	?				
	06	Recall Timing for Exclusive Hold/Remote Hold Note 2	236	01	02	03	04	05	06	98	99	4 sec.
			?	0	4	8	12	16	20	.....	388	
			240 (sec.)	?	?	?	?	?	?	.....	?	
	07	Recall Timing after Station release for call transfer	24	01	02	03	04	05	06	29	30	4 sec.
?			0	4	8	12	16	20	.....	112	116	
28 (sec.)			?	?	?	?	?	?	.....	?	?	
09	Periodic Time Indication Tone	180	00	01	02	03	04	05	.....	11	12	28 sec.
		?	32	60	120	180	240	300	.....	600	720	
		184 (sec.)	?	?	?	?	?	?	.....	?	?	
11	Attendant Recall of ATTCON held call	31.2	01	02	03	04	05	06	.....	13	14	2.4 sec.
		?	0	2.4	4.8	7.2	9.6	12.0	.....	28.8	31.2	
		33.6 (sec.)	?	?	?	?	?	?	.....	?	?	
		9.6 sec.	15	16	17	18	19	.....	24			
			28.8	38.4	48.0	57.6	67.2	.....	115.2			
13	Single-digit dialing time-out (Timing Start)	4 – 5 (sec.)	03	04	05	06	07	08	1 sec.				
		?	2	3	4	5	6	7					
		?	?	?	?	?	?	?					

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA								INCREMENT UNIT	
				TIME									
0	14	DTMF signal width of Out Pulse-Long from ATTCON	512 (ms.)	01	02	03	04	05	06	.....	50	64 ms.
				64	128	192	256	320	384	.....	3200	
	15	Call Forwarding – No Answer for Internal Call and Assisted Call	32 ? 36 (sec.)	01	02	03	04	05	06	29	30	4 sec.
				0	4	8	12	16	20	.....	112	116
				? 4	? 8	? 12	? 16	? 20	? 24	.....	? 116	? 120
	16	Maximum ACD/UCD call waiting time before answer or abandonment for PEG count	32 ? 36 (sec.)	01	02	03	.....	30	4 sec.			
				0	4	8	.....	116				
				? 4	? 8	? 12	.....	? 120				
		ACD/UCD or attendant incoming call waiting timer before delay announcement	44 ? 52 (sec.)	01	02	03	.....	30	4 sec.			
				12	16	20	.....	128				
				? 16	? 20	? 24	.....	? 132				
	20	Automatic Cancel Time for unanswered Paging Call	300 (sec.)	01	02	03	04	05	06	14	15	60 sec.
				60	120	180	240	300	360	.....	840	900
	22	Reorder tone time-out to enter Line Lockout or Off-Hook Alarm	28 ? 32 (sec.)	01	02	03	04	05	06	07	08	4 sec.	
				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 (sec.)	01	02	03	04	05	06	07	08	4 sec.	
				0	4	8	12	16	20	24	28		
				? 4	? 8	? 12	? 16	? 20	? 24	? 28	? 32		

COMMAND CODE		TITLE:										
41		SYSTEM TIMER DATA										
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA							INCREMENT UNIT	
				TIME								
0	26	Ringing duration of Automatic Wake-Up/Timed Reminder call	24	01	02	03	04	05	15	8 sec.	
			?	8	16	24	32	40	.....	120	
			32 (sec.)	?	?	?	?	?	.....	?	
					16	24	32	40	48	128	
	27	Inter-digit Pause on Outgoing Call	7 (sec.)	03	04	05	06	07	14	1 sec.	
				3	4	5	6	7	.....	14	
	33	Duration of Music Connection before DT Connection in Automated Attendant	16	01	02	03	04	05	15	4 sec.	
			?	0	4	8	12	16	.....	56	
			20 (sec.)	?	?	?	?	?	.....	?	
				4	8	12	16	20	60		
	34	Timing before Unanswered Automated Attendant Call Forwards	32	01	02	03	04	.....	30	4 sec.	
			?	0	4	8	12	.....	116		
36 (sec.)			?	?	?	?	.....	?			
			4	8	12	16	.....	120			
35	Number of call attempts by Timed Queue	3 (times)	01	02	03	.....	07	1 time			
			1	2	3	.....	7				
36	Interval Time between attempts for Timed Queue	120	11	12	13	.....	31	4 sec.			
		?	44	48	52	.....	120				
		124 (sec.)	?	?	?	.....	?				
			48	52	56	.....	124				
37	Duration of call by Timed Queue	28	05	06	.....	31	4 sec.				
		?	16	20	.....	120					
		32 (sec.)	?	?	.....	?					
			20	24	.....	124					
38	Programmable Pause for System Speed Dialing/ Station Speed Dialing	1.5 (sec.)	00	01	02	03	04	05	06	07	1.5 sec.	
			1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0		
			Note: This pause is available by setting "D" in CM72, 74, and 88.									

COMMAND CODE		TITLE:						
41		SYSTEM TIMER DATA						
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT
				TIME				
0	39	Timing of unanswered call after forwarding to pre-determined station in automated Attendant/DISA	32 λ 36 (sec.)	01 02			30	4 sec.
				0 4			116	
				λ λ			λ	
				4 8			120	
	41	PBX Dial In ORT Timer before receiving any digit	5 λ 6 (sec.)	01 02 03			15	1 sec.
				0 1 2			14	
				λ λ λ			λ	
				1 2 3			15	
43	Dial Tone timeout in Automated Attendant	14 (sec.)	01 02 03			14	1 sec.	
			0 2 3			14		
44	Prepause Timer for VMS	1 (sec.)	00 01 02 03 04 05 06 07 08				1 sec. (01-12) -0.5 sec. (13)	
			0 1 2 3 4 5 6 7 8					
			09 10 11 12 13					
			9 10 11 12 0.5					
45	Night Announcement Service Timer	60 λ 64 (sec.)	01 02			30	4 sec.	
			0 4			116		
			λ λ			λ		
			4 8			120		
46	Timing of Multiple Call Forwarding No Answer after second forwarding	32 λ 36 (sec.)	01 02 03			29 30	4 sec.	
			0 4 8			112 116		
			λ λ λ			λ λ		
			4 8 12			116 120		
47	Interval Time of ACD/UCD Delay Announcement/Attendant Delay Announcement	32 λ 36 (sec.)	01 02			30	4 sec.	
			0 4			116		
			λ λ			λ		
			4 8			120		
48	DTMF Signal Width for VMS	128 (ms.)	01 02				64 ms.	
			64 128					

COMMAND CODE		TITLE:									
41		SYSTEM TIMER DATA									
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA							INCREMENT UNIT
				TIME							
0	49	DTMF Inter-Digital 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							
	50	Timing Start when making an ISDN call from DP/PB station	NONE Note 3 (sec.)	03 04 05				14	1 sec.		
				3 4 5				14			
	52	Message Replay Timer for Automatic Wake Up/ Timed Reminder	60 ∫ 64 (sec.)	01 02 03				99	1 sec.		
				0 4 8				392			
				∫ ∫ ∫				∫			
				4 8 12				396			
	53	Message Replay Timer for Announcement Service	60 ∫ 64 (sec.)	01 02 03				99	1 sec.		
				0 4 8				392			
				∫ ∫ ∫				∫			
				4 8 12				396			
	54	Forced disconnection of tandem connection Note 4	96 ∫ 128 (min.)	01 02 03				06	32 min.		
				32 64 96				192			
				∫ ∫ ∫				∫			
				64 96 128				224			
	56	Message Replay timer/tone sending timer in the OAI terminal mode	20 ∫ 24 (sec.)	01 02 03				99	4 sec.		
				0 4 8				392			
				∫ ∫ ∫				∫			
				4 8 12				396			
	57	Timing Start when making an ISDN Tandem call	NONE	03 04 05				14	1 sec.		
				3 4 5				14			
	58	Preservation time for message set by Voice Message Waiting Service-Individual Note 5	7 (day)	01 02 03				31	1 day		
				1 2 3				31			

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT
				TIME				
0	59	Time before answering by Automated Attendant	4 ? 8 (sec.)	00	01	02	08	4 sec.
					0.5	4	28	
				0	?	?	?	
				4	8	.....	32

This page is for your notes.

COMMAND CODE		TITLE:					
41		SYSTEM TIMER DATA					
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA			INCREMENT UNIT
				TIME			
0	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 an IC trunk call	320 ? 480 (ms.)	01 02 03	14	160 ms.	
				0 160 320	2080		
				? ? ?	?		
	62	SST Sending Timer when accessing Paging Trunk	1440 ? 1920 (ms.)	01 02 03	14	480 ms.	
0 480 960				6240			
? ? ?				?			
63	Time Out Check when detecting ORT	1360 ? 1440 (ms.)	00 01 02 03	30	80 ms.		
			No 0 80 160	2320			
			? ? ?	?			
64	Variable Timer for ORT Timer Time Out when accessing trunk	14 (sec.)	01 02 03	09	14 sec.		
			14 28 42	126			
65	Ringing Tone Sending time for SCF of OAI	12 ? 16 (sec.)	01 02	99	4 sec.		
			0 4	392			
			? ?	?			
			4 8	396			
66	Message Sending Time of UCD Overflow Announcement	60 ? 64 (sec.)	01 02	99	4 sec.		
			0 4	392			
			? ?	?			
			4 8	396			
67	UCD Delay Announcement detection /OAI Announcement connection timer	8 ? 12 (sec.)	01 02 03	32	4 sec.		
			0 4 8	124			
			? ? ?	?			
			4 8 12	128			

COMMAND CODE		TITLE:						
41		SYSTEM TIMER DATA						
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT
				TIME				
0	75	Message duration for Announcement Service-PS No Answer/PS Busy	116 λ 120 (sec.)	01 02	99		4 sec.	
				0 4	392			
				λ λ	λ			
				4 8	396			
	81	Overlap Sending Mode timer for ISDN terminals	6 λ 7 (sec.)	03 04 05	60		1 sec.	
				2 3 4	59			
				λ λ λ	λ			
	84	Message duration for Announcement Service - PS Out of Cell/PS Power Off Note 6	116 λ 120 (sec.)	01 02	99		4 sec.	
0 4				392				
λ λ				λ				
4 8				396				
85	Message reply timer for PS Out of Cell/PS Power Off Note 7	8 λ 12 (sec.)	01 02	99		4 sec.		
			0 4	392				
			λ λ	λ				
			4 8	396				
86	Message reply timer for PS No Answer Note 7	36 λ 40 (sec.)	01 02	99		4 sec.		
			0 4	392				
			λ λ	λ				
			4 8	396				
87	Event Based CCIS Virtual Tie Line Release Timer (For Voice Channels)	3 (min.)	02 30 32 70 72	99		2.4 sec. (02-30) 24 sec. (32-70) 1 min. (72-99)		
			2.4sec. 69.6sec.					
			λ λ 24sec. 936sec. 1min. 28min. 4.8sec. 72.0sec.					
89	Event Based CCIS Virtual Tie Line Release Timer (For Common Signaling Channel)	3 (min.)	02 30 32 70 72	99		2.4 sec. (02-30) 24 sec. (32-70) 1 min. (72-99)		
			2.4sec. 69.6sec.					
			λ λ 24sec. 936sec. 1min. 28min. 4.8sec. 72.0sec.					

COMMAND CODE		TITLE:											
41		SYSTEM TIMER DATA											
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT					
				TIME									
0	95	Simultaneous Paging Timer (For Group Calling Conference: 6/10 party)	32 λ 36 (sec.)	01	02	.....		99	4 sec.			
				0sec.	4sec.			392sec.					
				λ	λ	.....		λ				
				4sec.	8sec.			396sec.					
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 λ 1216 (ms.)	03	04	05	06	07	08	15	128 ms.	
				384	512	640	768	896	1024			1920
				λ	λ	λ	λ	λ	λ			λ
					576	704	832	960	1088	1216	2118	
	02	PB Telephone On Hook Detect Timer	1024 λ 1216 (ms.)	03	04	05	06	07	08	15	128 ms.	
				384	512	640	768	896	1024			1920
				λ	λ	λ	λ	λ	λ			λ
					576	704	832	960	1088	1216	2118	
	03	DP Telephone Hookflash Breaker Timer	384 (ms.)	01	02	03			16	128 ms.		
				384	512	640			2304			
04	PB Telephone Hookflash 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 λ 384 (ms.)	01	02	03			10	128 ms.			
			128	256	384	.....			1152			
			λ	λ	λ	.....			λ			
				256	384	512			1280			
09	Delayed Ringing Timer	10 (sec.)	02	03	04			10	2 sec.			
			2	4	6	.....			20			

COMMAND CODE		TITLE:							
41		SYSTEM TIMER DATA							
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA					INCREMENT UNIT
				TIME					
2	00	COT Ringing Detect Timer	256 λ 288 (ms.)	06	07	08	09	10	32 ms.
				160 λ 192	224 λ	256 λ	288 λ	320	
	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	
	09	IC Ring Down Abandoning Detect Timer	4096 (ms.)	01	02	03	.....	15	512 ms.
				512	1024	1536	.....	7680	
	11	Ground Detect Timer	256 λ 320 (ms.)	01	02	03	04	05	64 ms.
				64 λ 128	192 λ	256 λ	320 λ	384	
	12	Wink signal sending time for connection check	160 (ms.)	01	02	03	.....	15	32 ms.
				32	64	96	.....	480	
	17	Duration of SHF sent out from COT (Hookflash sending Timer)	576 λ 640 (ms.)	02	03	04	.....	30	64 ms.
				64 λ 128	192 λ	256 λ	.....	1856 λ 1920	
	23	5 ESS Floating Battery Guard Timer for COT	2048 (ms.)	01	02	03	.....	99	128 ms.
				128	256	384	.....	12672	
	24	5 ESS Floating Battery Guard Timer for LD	2048 (ms.)	01	02	03	.....	99	128 ms.
				128	256	384	.....	12672	

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT
				TIME				
2	25	Loop Momentary Open Guard Timer for COT Loop Start OG Connection	1280 (ms.)	01	02	03 99	128 ms.
				128	256	384	..... 12672
	28	Release Detect Timer for OG Loop Start Trunk	256 (ms.)	00	01	02 99	128 ms.
				128	256	384	..... 12672
	29	Release Detect Timer for OG 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
				? ?	? ?	? ? ?	
	37	Ground Detect Guard Timer	0 (ms.)	01	02	03 10	64 ms.
				64	128	192	.....
				? ?	? ?	? ?	

COMMAND CODE		TITLE:								
41		SYSTEM TIMER DATA								
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA			INCREMENT UNIT			
				TIME						
2	40	Main PBX (Centrex) Ring Distinction Timer	1280	01	02	.....	15	128 ms.	
			1408 (ms.)	0	128	.....	1792		
		<ul style="list-style-type: none"> When Main PBX (Centrex) sends immediate ringing, this data must be assigned as follows: CM41 Y=2-00 < CM41 Y=2-40 + CM41 Y=2-41 When Main PBX (Centrex) does not send immediate ringing, this data must be assigned as follows: CM41 Y=2-00 < CM41 Y=2-40 Check Main PBX (Centrex) ringer cycle and set as follows: <div style="text-align: center;"> <p style="border: 1px solid black; padding: 2px; display: inline-block;">B sec. < the data setting time < A sec.</p> </div> <ul style="list-style-type: none"> When the gap between Main PBX station terminating ringer and C.O. line terminating ringer is under 200 ms, distinction may be incomplete. 								
	41	Immediate Ringing Guard Time in Centrex system Distinctive Tone Function	384	00	01	02	99	128 ms.	
			512 (ms.)	0	0	128	.....	12544	
				(Note 8)	128	256	12672		
3	00	Release Signal Detect Timing for DTI Trunk Note 9	128 (ms.)	01	02	.....	15	64 ms.	
				64	128	.....	960		
	01	Answer Signal Detect Timing for DTI Trunk Note 9	128 (ms.)	01	02	03	04	15	32 ms.
			32	64	96	128	.....	480	
	02	Wink Signal width sent from DTI Trunk Note 9	32 (ms.)	01	02	03	04	15	32 ms.
				64	96	128	160	512	

COMMAND CODE		TITLE:					
41		SYSTEM TIMER DATA					
Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA			INCREMENT UNIT
				TIME			
3	03	Wink/Delay Signal time out to receive Note 9	7 (sec.)	01 02	07	15	1 sec.
				1 2	7	15	
	04	Ring Signal Detect Timing for DTI Trunk Note 9	192 (ms.)	01 02 03		15	32 ms.
				32 64 96		480	
	05	Release Signal Detect Timing for C.O. Trunk Note 9	512 (ms.)	01 02 03		15	64 ms.
				64 128 192		960	
	06	Answer Signal Detect Timing for DTI Trunk Note 9	576 (ms.)	01 02 03		15	64 ms.
				64 128 192		960	
	07	Ring Signal Detect Timing for DTI Trunk Note 9	7168 (ms.)	01 02 03		15	512 ms.
				512 1024 1536		7680	
	08	Guard Timing for DTI Trunk Release Note 9	512 (ms.)	01 02 03		15	128 ms.
				128 256 384		1920	
	09	Hookflash Send Timing for DTI Trunk Note 9	640 (ms.)	01 02 03		15	64 ms.
				64 128 192		960	
	10	Ground Start Release (Loop Off) Detect Timing for DTI Trunk Note 9	384 (ms.)	01 02 03		15	64 ms.
				64 128 192		960	
	11	Ground Start Release (Ground Off) Detect Timing for DTI Trunk Note 9	384 (ms.)	01 02 03		15	64 ms.
				64 128 192		960	

CM41

COMMAND CODE	TITLE: SYSTEM TIMER DATA
41	

Y	FUNCTION NUMBER	PURPOSE	INITIAL DATA	TIMER DATA				INCREMENT UNIT	
				TIME					
3	12	Ground Start (Return Ground) Detect Timing for DTI Trunk Note 9	7 (sec.)	01	02	03	15	1 sec.
				1	2	3	.....	15

- Note 1:** When timer data 99 is assigned by the function number 05, the recall is not performed.
- Note 2:** When timer data 99 is assigned by the function number 06, the recall is not performed.
- Note 3:** For initial data, the timing start is not effective.
- Note 4:** With this timing, the tandem connection is released, unless the incoming trunk does not receive the release signal.
- Note 5:** Voice Message Waiting Service-Individual All Clear clears messages exceeding the term.
- Note 6:** This data is effective only when CM08-086 is set to 0.
- Note 7:** This data is effective only when CM08-085 and 086 are set to 0.
- Note 8:** When Immediate Ringing is not provided on Main PBX, be sure to set this data as 00.
- Note 9:** If CM35 YY=09 is set to "03", "04", "05" or "06", use CM41 Y=3, Functions "00" to "03".
If CM35 YY=09 is set to "01" or "15", use CM41 Y=3, Functions "04" to "12".

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION
<p>1. FUNCTION:</p> <p>This command is used to set the System Counter data, the programmable PAD data and the Trunk Restriction Class data to convert the Restriction Class sent to or from the ICS as a Deluxe Traveling Class Mark-CCIS.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 42 + \boxed{\text{DE}} + \begin{array}{l} \text{KIND OF} \\ \text{SYSTEM} \\ \text{COUNTER} \\ (2 \text{ digits}) \end{array} / \begin{array}{l} \text{PAD DATA} \\ \text{PATTERNS} \\ (2 \text{ digits}) \end{array} / \begin{array}{l} \text{TRUNK REST.} \\ \text{CLASS} \\ (2 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{SETTING} \\ \text{DATA} \\ (2 \text{ digits}) \end{array} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION

4. DATA TABLE:

4.1 System Counter Data

Note: Initial data in the Data Table represents the value for the data "NONE".

KIND OF SYSTEM COUNTER		INITIAL DATA	SETTING DATA		REMARKS
00	Number of waiting calls which will cause attendant's Call Waiting LCD to flash.	06	01 ∩ 48	Number of Waiting Calls	
01	Number of stations in Line Lockout to give MN (minor) alarm.	None Note 1	01 ∩ 99	Number of Lockout Stations	
03	Number of Wake-Up/Timed Reminder call attempts before abandonment.	05	01 ∩ 15	Number of attempted Wake-Up/Timed Reminder calls	
04	Maximum number of stations that are able to set Wake-Up/Timed Reminder call for the same Wake-Up Time	16	01 ∩ 32	Max. number of stations	
08	Maximum number of trunks to be seized serially when a designated trunk is busy (for Private Lines)	00	01 ∩ 16	Number of trunks	Related Commands: CM12 YY = 16 CM35 YY = 98
10	Maximum number of digits for Account Code	10	01 ∩ 16	Max. number of digits	
11	Maximum number of digits for Authorization Code Note 2	10 (8)	01 ∩ 10	Max. number of digits	When CM08-216=0, Max. 8 digits are available and initial data is 8.
12	Maximum number of digits for Forced Account Code Note 2	10 (8)	1 ∩ 10	Max. number of digits	When CM08-216 = 0, Max. 8 digits are available and initial data is 8. Note 3
13	Maximum number of digits for ID code on Direct Inward System Access (DISA) Note 2	10 (10)	01 ∩ 10	Max. number of digits	When CM08-217 = 0, Max. 16 digits are available.

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION

KIND OF SYSTEM COUNTER		INITIAL DATA	SETTING DATA		REMARKS
14	Number of Call Forwards in Multiple-Call Forwarding	05	01 ? 05	Number of times	
15	Maximum number of calls in queue in each UCD group for controlling external equipment interface (PN-DK00) or Call Waiting lamp of Multiline Terminal	01	01 ? 99	Number of calls in queue in each UCD group	
16	Maximum number of calls in queue in each UCD group before busy tone is provided	No limitation	01 ? 99	Number of calls in queue in each UCD group before busy tone	
	Number of times for DID Call Waiting tone Note 4	None	01 ? 99	Number of times	In case of CM08, 367=0.
18	Number of times for Camp-On tone Note 5	No limitation	01 ? 99	Number of times	

Note 1: No "Lockout Alarm Display" function if this data is not assigned.

Note 2: The value in parentheses is the initial data when CM08-216/217=0.

Note 3: When Forced Account Code (with AP01) is utilized, CM42 11/12 data will be the same.

Note 4: This data is effective when the 2nd data of CM08-367 is "0". Default setting is no limitation.

Note 5: This data is effective when the 2nd data of CM08-367 is "0".

COMMAND CODE	TITLE: SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION
42	

4.2 PAD Data (Programmable)

PATTERN 1ST DATA	PAD DATA PATTERNS				CONNECTING PATTERNS (A - B)
	CM35 YY=19 2ND DATA=0	CM35 YY=19 2ND DATA=1	CM35 YY=19 2ND DATA=2	CM35 YY=19 2ND DATA=3	
50	50	54	58	62	STA - COT/ODT
?	51	55	59	63	TONE - COT/ODT
65	52	56	60	64	COT - COT/ODT
	53	57	61	65	ODT/DTI - COT/ODT
	50	54	58	62	STA/TONE - DTI
	51	55	59	63	COT - DTI
	52	56	60	64	ODT - DTI
	53	57	61	65	DTI - DTI

This page is for your notes.

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION

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

PATTERNS 2ND DATA		PAD DATA OF B TRUNK (T/R) [dB]				REMARKS
		ODT (4W E&M)	ODT (2W E&M)	COT/DID	DTI	
00 ∩ 15	00	0/0	0/0	0/0	0/0	
	01	0/0	0/0	0/0	-2/-2	
	02	0/0	0/0	0/0	-3/-3	
	03	-2/-2	-3/-3	-3/-3	0/-6	
	04	-3/-3	0/0	0/0	-3/-8	
	05	-12/-11	-6/-6	-6/-6	+3/-3	
	06	-16/-11	0/0	0/+5	-6/-6	
	07	-6/-6	0/0	+3/+3	-8/-8	
	08 ∩ 15	} Not Used				

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION

4.3 Trunk Restriction Class Conversion (PBX ↔ ICS)

1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
20	NEAX2000 IVS Trunk Rest. Class 1 (RCA)	00 ? 15	NEAX2400 IMS Trunk Rest. Class (0 - 15) (NEAX2000 IVS) ↓ (NEAX2400 IMS)	
21	NEAX2000 IVS Trunk Rest. Class 2 (RCB)			
22	NEAX2000 IVS Trunk Rest. Class 3 (RCC)			
23	NEAX2000 IVS Trunk Rest. Class 4 (RCD)			
24	NEAX2000 IVS Trunk Rest. Class 5 (RCE)			
25	NEAX2000 IVS Trunk Rest. Class 6 (RCF)			
26	NEAX2000 IVS Trunk Rest. Class 7 (RCG)			
27	NEAX2000 IVS Trunk Rest. Class 8 (RCH)			
30	NEAX2400 Trunk Rest. Class 0	01 ? 08	NEAX2000 IVS Trunk Rest. Class (1 - 8) (NEAX2400 IMS) ↓ (NEAX2000 IVS)	
31	NEAX2400 Trunk Rest. Class 1			
32	NEAX2400 Trunk Rest. Class 2			
33	NEAX2400 Trunk Rest. Class 3			
34	NEAX2400 Trunk Rest. Class 4			
35	NEAX2400 Trunk Rest. Class 5			
36	NEAX2400 Trunk Rest. Class 6			
37	NEAX2400 Trunk Rest. Class 7			
38	NEAX2400 Trunk Rest. Class 8			
39	NEAX2400 Trunk Rest. Class 9			
40	NEAX2400 Trunk Rest. Class 10			
41	NEAX2400 Trunk Rest. Class 11			
42	NEAX2400 Trunk Rest. Class 12			
43	NEAX2400 Trunk Rest. Class 13			
44	NEAX2400 Trunk Rest. Class 14			
45	NEAX2400 Trunk Rest. Class 15			

COMMAND CODE	TITLE: SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION
42	

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) NEAX2400 to NEAX2000 IVS

**NEAX2400
TRK REST. CLASS**

- 0: OG via ATT →
 - 1: Unrestricted-1 →
 - 2: Unrestricted-2 →
 - 3: Non-Restricted →
 - 4: Semi-Restricted →
 - 5: Restricted →
 - 6: Fully-Restricted →
 - 7: →
 - 8: →
 - 9: →
 - 15: →
- } Not Defined

**NEAX2000 IVS
TRK REST. CLASS**

- 1: Unrestricted (RCA)
- 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: →
- 9: →
- 8: } Fully-Restricted (RCH)

(2) NEAX2000 IVS to NEAX2400

**NEAX2000 IVS
TRK REST. 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) →

**NEAX2400
TRK REST. CLASS**

- 1: Unrestricted-1
- 2: Unrestricted-2
- 3: Non-Restricted
- 4: Semi-Restricted
- 5: Restricted
- 6: Fully-Restricted
- 7: →
- 8: } Not Defined

Note 2: *This command should be used when changing the initial setting shown above, or when receiving the NEAX2400 Trunk Restriction Class (9 – 15) as a Deluxe Traveling Class Mark.*

COMMAND CODE	TITLE:
44	EXTERNAL EQUIPMENT STARTING CONDITIONS

1. FUNCTION:

This command assigns the relay (circuit number of the PN-DK00) used for controlling external equipment.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + 44 + DE + CIRCUIT NUMBER (3 digits) + DE + DATA 1 (2 digits) + DATA 2 (2 digits) + EXE

4. DATA TABLE:

CIRCUIT NUMBER		RELATED COMMAND	REMARKS						
NUMBER	MEANING								
XXX	<table style="border-collapse: collapse;"> <tr> <td style="text-align: center; vertical-align: middle;">XX</td> <td style="text-align: center; vertical-align: middle;">X</td> <td style="border: none; padding-left: 10px;">Circuit Number (0-3)</td> </tr> <tr> <td style="border: none; padding-left: 10px;"> </td> <td style="border: none; padding-left: 10px;"> </td> <td style="border: none; padding-left: 10px;">Card Number (00-31)</td> </tr> </table>	XX	X	Circuit Number (0-3)			Card Number (00-31)	CM10 Card number E8XX	
XX	X	Circuit Number (0-3)							
		Card Number (00-31)							

COMMAND CODE		TITLE:		
44		EXTERNAL EQUIPMENT STARTING CONDITIONS		
DATA 1		DATA 2		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
00	External Hold Tone Machine Start (TNT/COT Interface)	00 ∩ 09	External Hold Tone for Music On Hold	CM10 (DA00-DA09) CM48
01	External Announcement Machine Start (COT Interface)	00	External Announcement Machine for wake-up calling	CM10 CM48
02	Speaker Paging Machine Start	00 ∩ 09	Speaker Paging Zone 0 ∩ Speaker Paging Zone 9	CM30 YY = 28
11	Indication for Trunk All Busy	01 ∩ 62	Trunk Group 01 ∩ Trunk Group 62	CM30 YY = 09
13	TAS Indication	00 ∩ 63	TAS Group 00 ∩ TAS Group 63	CM30 YY = 17
14	Indication for ACD/UCD call waiting	00 ∩ 15	UCD Group 00 ∩ UCD Group 15	CM17 CM59
15	Relay Control Function Key	00	Relay Control (ON/OFF) via Multiline Terminal	CM90 YY = 00, F7XXX
30	External Alarm driver function for the SMDR buffer overflow	01	Activates when buffer overflows (when CMD001-80/100/120 is set to "4".)	CMD001-80/100/120
		02	Activates when buffer overflows (when CMD001-80/100/120 is set to "5".)	
35	No. 7 CCIS Link Alarm Display	XX	<u>XX</u> └─ CCH No. (00 - 03)	CM06 YY = 07
36	No. 7 CCIS Day/Night Status Display when the day/night mode change is performed by the main office	01	Tenant No. Note: <i>An intraoffice attendant console should not be assigned for the tenant.</i>	

COMMAND CODE	TITLE: PURPOSE OF PBR/CFT
45	
<p>1. FUNCTION:</p> <p>This command is used to define the presence and purpose of PB (DTMF) Receivers (PN-8RST) and conference trunks. This command is also used to make CFTs and PBRs busy.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 45Y + DE + PBR/CFT NUMBER (2-3 digits) + DE + DATA (1 digit) + EXE </p>	

COMMAND CODE	TITLE: PURPOSE OF PBR/CFT
45	

4. DATA TABLE:

◀: Initial Data

Y		PBR/CFT NUMBER		SETTING DATA		RELATED COMMAND								
No.	MEANING	No.	MEANING	DATA	MEANING									
0	Make busy condition of PBR	XXX	<table style="border-collapse: collapse; margin-left: 20px;"> <tr> <td style="border: none; padding-right: 5px;">XX</td> <td style="border: none; padding-right: 5px;">X</td> <td style="border: none; padding-left: 10px;">┌</td> <td style="border: none;">Circuit Number (0-3)</td> </tr> <tr> <td style="border: none; padding-right: 5px;">└</td> <td style="border: none;"></td> <td style="border: none; padding-left: 10px;">└</td> <td style="border: none;">Card Number (00-15)</td> </tr> </table>	XX	X	┌	Circuit Number (0-3)	└		└	Card Number (00-15)	0 1 ◀	Make busy In Service	CM10-E2xx
XX	X	┌	Circuit Number (0-3)											
└		└	Card Number (00-15)											
1	PBR for incoming Call from Tie Line/DID	XXX	Same as Y = 0	0 1 ◀	Only for incoming call from Tie Line/DID For both DTMF Station and Tie Line/DID	CM10-E2xx CM35 YY = 01								
2	PBR for Automated Attendant only	XXX	Same as Y = 0	0 1 ◀	Only for Automated Attendant For both DTMF Station and Tie Line/DID Automated Attendant	CM30 CM41 Y = 0 Function No. 33, 43 CM10-E2xx								
6	Make busy condition of CFT	00 ? 07	CFT Circuit Number	0 1 ◀	Make busy In Service									
		08 ? 15	CFT Circuit Number	0 ◀ 1	Make busy In Service									
7	Whether or not CFT is used exclusively for ATTCON	00 ? 15	CFT Circuit Number	0 1 ◀	For ATTCON only For both ATTCON and Station									

COMMAND CODE		TITLE:				
45		PURPOSE OF PBR/CFT				
						◀: Initial Data
Y		PBR/CFT NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
9	Receiving dB level of PBR	XXX	XX X	00	-22.6 dBm	
			└─ Circuit Number (0-3)	01	-23.3	
				02	-24.0	
				03	-24.8	
			└─ Card Number (00-15)	04	-25.8	
				05	-27.0	
				06	-27.7	
				07	-28.3	
				08	-29.1	
				09	-29.8	
				10	-30.6	
				11	-31.4	
				12	-32.3	
				13	-33.7	
				14	-34.5	
				15	-26.4	
				16	-36.4	
				17	-37.0	
				18	-37.8	
				19	-38.6	
				20	-39.3	
				21	-41.0	
				22	-42.0	
				23	-43.1	
				24	-44.2	
				25	-45.5	
				26	-46.5	
				27	-47.8	
				28	-49.1	
				29	-50.2	
				30	-51.5	
				31	-40.1	

COMMAND CODE	TITLE: HOLD/WAKE-UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE INITIAL
48	

1. 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 in a Wireless Communication System does not answer.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + 48Y + DE + SENDING PATTERN (2 digits) + DE + DATA (1/4 digits) + EXE

4. 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	XX 00 └ Kind	00	No Tone	CM08-183
		01	Tie Line		02	External Tone Source Note 1	CM10-DA00-DA09 CM44 Data=0000
		02	Station		05	Hold Message Note 2	CM10-EBXXX, CM49 YY=00
					14	Hold Tone Source on the MP card/External Hold Tone Source through the MP card	CM08-183
					15	Internal Tone Generator	

COMMAND CODE	TITLE:
48	HOLD/WAKE-UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE INITIAL

◀ : 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	XX 00	00	No Tone	
				└Kind	02	External Tone Source	CM10-DB00, CM08-183 CM44 Data=0100
					05	Digital Announcement Trunk	CM10-EBXXX, CM41 Y=0 Function No. 52 CM49 YY=00, 08
					14	Hold Tone Source on the MP card	
					15	Internal Tone Generator	

Note 1: *TNTA must be programmed as “ in CM10 for external tone source application in CM48 Y = 0.*

Note 2: *This data cannot be set to station (sending pattern = 02).*

COMMAND CODE	TITLE:
48	HOLD/WAKE-UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE INITIAL

◀: 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 Provided	
		04	2nd DT Sending on ISDN Trunks	0 1 ◀	Provided Not provided	
		06	Dial Tone Connection With Automated Attendant	0 1 ◀	Not provided Provided	CM64 CM41 Y=0 Function No. 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	0 1 ◀	Special Dial Tone Dial Tone	
		14	Dial Tone on Setting Do Not Disturb	0 1 ◀	Special Dial Tone Dial Tone	
		17	Hold Tone Sent to Other Party on Answering Whisper Page	0 1 ◀	No Tone Hold Tone	

COMMAND CODE	TITLE:
48	HOLD/WAKE-UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE INITIAL

◀ : Initial Data

Y		SENDING PATTERN		SETTING DATA		RELATED COMMAND
No.	MEANING	PATTERN	MEANING	DATA	MEANING	
4	Kind of BGM	00 ? 09	BGM0 ? BGM9	DXXX Note 3	Trunk Number for each music source	CM10-DXXX CM20-039 CM15 YY = 32 CM35 YY = 00
5	Announcement Service-PS No Answer	00	–	0500 1500 NONE ◀	Provided Not provided Not provided	CM10-EBXXX CM12 YY = 04 CM41 Y = 0 Function No. 01, 75 CM49 YY = 00, 10
	Announcement Service-PS Out of Cell/PS Power Off	02	–	0500 1500 NONE ◀	Provided Not provided Not provided	

Note 3: TNTA must be programmed as “D000-D255” in CM10 for BGM application in CM48 Y = 4.

COMMAND CODE	TITLE:
49	DIGITAL ANNOUNCEMENT TRUNK
<p>1. FUNCTION:</p> <p>This command is used to define the function of each Digital Announcement Trunk (PN-2DATA) accommodated into the system.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 49YY + DE + DIGITAL ANNOUNCEMENT TRUNK CIRCUIT NUMBER (3 digits) / TENANT NUMBER (2 digits) + DE + DATA + EXE </p>	

COMMAND CODE	TITLE:
49	DIGITAL ANNOUNCEMENT TRUNK

4. DATA TABLE:

YY		DIGITAL ANNOUNCEMENT TRUNK CIRCUIT/ TENANT No.	SENDING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	XXX: 000 – 127 “XXX” represents the card number (EB000 – EB127) assigned by CM10.	<u>XX</u> <u>XX</u>	Message Number (00 – 63) 01: 1st Answering Message of Automated Attendant 02: 2nd Answering Message/ Night Message of Automated Attendant 05: Message on Hold Service Transfer Trunk Line 06: Transferred Trunk Line Message Service (No Answer) 07: Transferred Trunk Line Message Service (Busy) 0C: Answering Message on Automatic Wake-Up 0F: Attendant Delay Announcement	CM08 CM10 CM64 CM30 YY=30, 31 <hr/> CM48 Y=0 <hr/> CM65 YY=50 <hr/> CM65 YY=51 <hr/> CM10, CM41 Y=0 Function No. 52 CM48 Y=1 <hr/> CM10, CM49 YY=0A, CM35 YY=74, CM41 Y=0 Function No. 16, 47

COMMAND CODE		TITLE:			
49		DIGITAL ANNOUNCEMENT TRUNK			
YY		DIGITAL ANNOUNCEMENT TRUNK CIRCUIT/ TENANT No.	SENDING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	XXX: 000 - 127	03000	Night Announcement Service	CM10 CM30 YY = 02-05 CM41 Y = 0, Function No. 45
			04 X X	Announcement Service Message Number (0 - 9) Announcement Service Group Number (0 - 4)	CM10 CM15 YY = 34 -39 CM35 YY = 69-73
			08 XX	Voice Message Waiting Service Service Message Number (00 - 09)	CM10 CM15 YY = 41, 42 CM20-A13-A20
			09	Voice Message Waiting Service-Individual	
			0A00	Call Forwarding Intercept/ Announcement	CM10 CM51 YY = 06-08
			0B0 XX	ACD/UCD Delay Announcement ACD/UCD Group No. (00-15)	CM10 CM41 Y = 0, 16 Function No. 47 CM17 Y = A
			0D00	Announcement Service when the called station does not answer a DID/Tie Line Call. Note: <i>Announcement Service is not available for CCIS Trunk.</i>	CM10 CM30 YY=02-05 CM41 Y = 0 Function No. 01 CM51 YY = 00, 01
			0E00	Announcement Service when a DID/Tie Line call terminates to a busy station. Note: <i>Announcement Service is not available for CCIS Trunk.</i>	CM10 CM30 YY=02-05 CM51 YY=03, 04
	Function of Digital Announcement Trunk	XXX: 000 - 127	10	Announcement Service in the OAI terminal mode	CM10 CM15 YY = 59 CM41 Y = 0 Function No. 56 CMD7 Y = 2

COMMAND CODE		TITLE:			
49		DIGITAL ANNOUNCEMENT TRUNK			
YY		DIGITAL ANNOUNCEMENT TRUNK CIRCUIT/ TENANT No.	SENDING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Digital Announcement Trunk	XXX: 000 – 127	11 <u>XX</u> └──	Second Announcement of UCD delay announcement service UCD Group No. (00 – 15)	CM17 Y = 2 CM41 Y = 0 – 47 CM49 YY = 00 -0B0XX
			12 <u>XX</u> └──	UCD Overflow Announcement UCD Group No. (00 – 15)	CM10 CM17 Y = 2 CM41 Y = 0 – 66
			13 <u>XX</u> └──	Message Group No. (00 – 63) for Announcement Service	CM10 CM41 Y = 0 – 01, 75 CM48 Y = 5 CM49 YY = 10
			15 <u>XX</u> └──	Message Group No. (00 – 63) for PS out of Cell/Power Off	CM10 CM41 Y = 0 – 01, 75 CM48 Y = 5 CM49 YY = 10
			16 <u>XX</u> └──	Message Number (02 – 63) for Multiconnection Announcement Service for OAI	CM10 CM17 Y=1, A CM41 Y=0-67 CMD7 Y=2
			17 <u>XX</u> └──	Voice Guide Message No. (00 – 63)	CM49 Y=13 CM48 Y=2 CM41 Y=0-53

COMMAND CODE		TITLE:			
49		DIGITAL ANNOUNCEMENT TRUNK			
YY		DIGITAL ANNOUNCEMENT TRUNK CIRCUIT/ TENANT No.	SENDING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
01	Message No. of 1st Answering Message of Automated Attendant	XX: Tenant Number (00 – 63)	XX	Message Number (00 – 63) assigned by CM49 YY=00	
02	Message No. of 2nd Answering Message/ Night Message of Automated Attendant				
05	Message No. of Hold Service				CM48 Y=0
06	Message No. of Transferred Trunk Line (No Answer)	Tenant Number of transferring station should be set.			CM65 YY=50
07	Message No. of Transferred Trunk Line (Busy)				CM65 YY=51
08	Message No. of Automatic Wake-Up/ Timed Reminder				CM48 Y=1
10	Message Group No. of Announcement Service for WCS		XX	Message Group No. (00 – 63) assigned by CM49 YY=00	
12	Message-Group No. of Announcement Service - PS Out of Cell/ PS Power Off				

COMMAND CODE	TITLE:
49	DIGITAL ANNOUNCEMENT TRUNK

YY		DIGITAL ANNOUNCEMENT TRUNK CIRCUIT/ TENANT No.	SENDING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
13	Message No. of Voice Guide	00: When message waiting is set 01: When service is set 02: When service is cancelled 03: When Call Forwarding-All Calls/ Do Not Disturb is set	XX	Message Number (00 – 63) assigned by CM49 YY=00	CM48 Y=2 CM49 YY=00-17XX
0A	Message No. of Attendant Delay Announcement	XX: Tenant Number (00 – 63)			

This page is for your notes.

COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL
<p>1. FUNCTION:</p> <p>This command is used to assign LDNs (Listed Directory Numbers) to DID or Tie 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's console.</p> <p>The system allows digits to be added to or deleted from indialed numbers on a route basis. This command, in conjunction with CM35 YY=17, allows two extra leading digits to be specified.</p> <p>The common route indial facility allows up to eight LDNs to be identified. In addition, this command is used to assign the access code to be sent to a Voice Message System (VMS) before/after a Mail Box Number.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 50\text{YY} + \boxed{\text{DE}} + \text{KIND OF DATA (1 - 3 digits)} + \boxed{\text{DE}} + \text{DATA (1 - 12 digits)} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE: COMMON ROUTE INDIAL
50	

4. DATA TABLE:

◀: Initial Data

YY	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
00	0	Two leading digits to be added Note 1	XX	Digits to be added
	3	Access Code to be sent out before a Mail Box Number Note 2	XX ? XXXX	Access Code to be sent out to a VMS X: 0-9, A (*), B (#), C/D (Pause) Note 3
	4	Access Code to be sent out after a Mail Box Number	NONE ◀	Not to be sent out
	5	Primary digit of 5 digits station	X	
01	0	Effective data in CM35 YY = 15	XX	Dialed number Note 5
	1	LDN 0 ATTCON key (Data 00 in CM90)	?	
	?	?	XXXX	
	8	LDN 7 key (Data 07 in CM90) Note 4		
02	0	Effective data in CM35 YY = 15	XX	Dialed number Note 5
	1	TIE 0 key (Data 40 in CM90)	?	
	?	?	XXXX	
	8	TIE 7 key (Data 47 in CM90) Note 4		
05	00	Local Office Code Table Nro. 00	X X (Max. 12 digits)	Local office code
	?	?		
	14	Local Office Code Table No. 14		

Note 1: CM35 YY = 17 allows digits to be added or deleted from indiald digit streams on a route basis.

Note 2: "C" or "D" should not be assigned as the first characters of an access code to insert a prepause timing. The prepause timing should be assigned with CM41 YY=0 Function No. 44.

Note 3: If "C" is inserted in the access code, it can be used as a pause (1.5 sec). To provide a programmable pause, insert "D" instead of "C". (Programmable pause; CM41 Y=0, Function No.38)

Note 4: Data set by this command is overridden by data set in CM58.

Note 5: These numbers should be different from any number assigned by CM10 and CM11.

COMMAND CODE		TITLE:																																														
51		AUTOMATIC TRANSFER DESTINATIONS																																														
<p>1. FUNCTION:</p> <p>This command is used to define destinations for different types of diversion.</p>																																																
<p>2. PRECAUTION:</p> <p>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.</p>																																																
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 51YY + DE + GROUP NUMBER + DE + DATA (1 - 4 digits) + EXE (2 digits) </p>																																																
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">YY</th> <th colspan="3">GROUP NUMBER</th> <th colspan="2">SETTING DATA</th> </tr> <tr> <th>No.</th> <th></th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For DID line, transfer destination of incoming call when the station does not answer the call within a predetermined time.</td> <td rowspan="8" style="text-align: center; vertical-align: middle;"> X ∨ XXXX or E000 or EBXXX </td> <td rowspan="2">When a station is designated as the destination, the setting data is as follows: X – XXXX</td> </tr> <tr> <td>01</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For Tie line, transfer destination of incoming call when the station does not answer the call within a predetermined time.</td> </tr> <tr> <td>03</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For DID line, transfer destination of incoming call when the station is busy.</td> </tr> <tr> <td>04</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For Tie line, transfer destination of incoming call when the station is busy.</td> </tr> <tr> <td>06</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For DID line, transfer destination of incoming call when the station number is not assigned. (When CM 08-032 is 1)</td> </tr> <tr> <td>07</td> <td>00 ∨ 63</td> <td>Tenant 00 ∨ Tenant 63</td> <td>For Tie line, transfer destination of incoming call when the station number is not assigned. (When CM 08-032 is 1) (See CM49 YY=00, 06, 07)</td> </tr> <tr> <td rowspan="2">08</td> <td rowspan="2">00 ∨ 63</td> <td rowspan="2">Tenant 00 ∨ Tenant 63</td> <td rowspan="2">For station-to-station call, transfer destination of the call when the station number is not assigned.</td> <td rowspan="2" style="text-align: center; vertical-align: middle;"> E000 or EBXXX </td> <td rowspan="2">When an ATTCON is designated as the destination, the setting data is as follows: E000 In case a Digital Announcement Trunk is designated as the destination in YY = 00, 01, 03, 04, 06, 07, 08, set the data to “EBXXX (000 – 127)”.</td> </tr> <tr> </tr> </tbody> </table>						YY	GROUP NUMBER			SETTING DATA		No.		MEANING	DATA	MEANING	00	00 ∨ 63	Tenant 00 ∨ Tenant 63	For DID line, transfer destination of incoming call when the station does not answer the call within a predetermined time.	X ∨ XXXX or E000 or EBXXX	When a station is designated as the destination, the setting data is as follows: X – XXXX	01	00 ∨ 63	Tenant 00 ∨ Tenant 63	For Tie line, transfer destination of incoming call when the station does not answer the call within a predetermined time.	03	00 ∨ 63	Tenant 00 ∨ Tenant 63	For DID line, transfer destination of incoming call when the station is busy.	04	00 ∨ 63	Tenant 00 ∨ Tenant 63	For Tie line, transfer destination of incoming call when the station is busy.	06	00 ∨ 63	Tenant 00 ∨ Tenant 63	For DID line, transfer destination of incoming call when the station number is not assigned. (When CM 08-032 is 1)	07	00 ∨ 63	Tenant 00 ∨ Tenant 63	For Tie line, transfer destination of incoming call when the station number is not assigned. (When CM 08-032 is 1) (See CM49 YY=00, 06, 07)	08	00 ∨ 63	Tenant 00 ∨ Tenant 63	For station-to-station call, transfer destination of the call when the station number is not assigned.	E000 or EBXXX	When an ATTCON is designated as the destination, the setting data is as follows: E000 In case a Digital Announcement Trunk is designated as the destination in YY = 00, 01, 03, 04, 06, 07, 08, set the data to “EBXXX (000 – 127)”.
YY	GROUP NUMBER			SETTING DATA																																												
	No.		MEANING	DATA	MEANING																																											
00	00 ∨ 63	Tenant 00 ∨ Tenant 63	For DID line, transfer destination of incoming call when the station does not answer the call within a predetermined time.	X ∨ XXXX or E000 or EBXXX	When a station is designated as the destination, the setting data is as follows: X – XXXX																																											
01	00 ∨ 63	Tenant 00 ∨ Tenant 63	For Tie line, transfer destination of incoming call when the station does not answer the call within a predetermined time.																																													
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06	00 ∨ 63	Tenant 00 ∨ Tenant 63	For DID line, transfer destination of incoming call when the station number is not assigned. (When CM 08-032 is 1)																																													
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08	00 ∨ 63	Tenant 00 ∨ Tenant 63	For station-to-station call, transfer destination of the call when the station number is not assigned.		E000 or EBXXX	When an ATTCON is designated as the destination, the setting data is as follows: E000 In case a Digital Announcement Trunk is designated as the destination in YY = 00, 01, 03, 04, 06, 07, 08, set the data to “EBXXX (000 – 127)”.																																										

COMMAND CODE		TITLE:			
51		AUTOMATIC TRANSFER DESTINATIONS			
YY	GROUP NUMBER			SETTING DATA	
	No.	MEANING		DATA	MEANING
10	00 ? 63	Tenant 00 ? Tenant 63	Transfer destination of the call when the called station is set to Do Not Disturb.	X ? XXXX	Station Number as the destination of a call diversion. In case ATT is designated as the destination, the setting data is as follows: ATT=E 000 (Fixed)
11	00 ? 63	Tenant 00 ? Tenant 63	Transfer destination of the call when the Room Cut Off station dials C.O. access code.		
12	00 ? 63	Tenant 00 ? Tenant 63	Destination of Off Hook Alarm/Priority Call 0/1. (See CM08-250, 251, CM13 YY=02, CM15 YY=17, 18)		
13	00 01 02 03	ATT Group 0 ATT Group 1 ATT Group 2 ATT Group 3	Transfer destination of the call when a station dials the operator access code of ATTCON in night mode (See CM60 YY=00)		
14	00 01 02 03	House Phone Group 0 House Phone Group 1 House Phone Group 2 House Phone Group 3	Destination of the House Phone (See CM12 YY=03)		
	00 01 02 03	FAX Call Station Group 0 FAX Call Station Group 1 FAX Call Station Group 2 FAX Call Station Group 3	Designation of the Fax Stations (Designation of House Phone called Side) (See CM12 YY=03)	X ? XXXX	FAX Call Station No.
15	00 ? 63	Tenant 00 ? Tenant 63	Destination of the call from the station to which Message Waiting has been set. (See CM13 YY=13)	X ? XXXX	
17	00 ? 63	Tenant 00 ? Tenant 63	Destination of the call after the first time interval of the ACD/UCD Delay Announcement.	X ? XXXX	

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

YY	GROUP NUMBER		SETTING DATA	
	No.	MEANING	DATA	MEANING
18	00 ? 63	Tenant 00 ? Tenant 63	Destination VMS of a call that is set Camp-On and not answered/Destination VMS of Call Redirect. X ? XXXX	VMS Station No.
20	00 ? 63	Tenant 00 ? Tenant 63	Destination VMS station for Call Forwarding-Not Available X ? XXXX	VMS Station No.
21	00 ? 63	Tenant 00 ? Tenant 63	Destination of Alternate Hold Recall for Enhanced Trunk Direct Appearance X ? XXXX	Station No. Only
22	00 ? 63	Tenant 00 ? Tenant 63	Destination station of Call Redirect X ? XXXX	Station No. Only

COMMAND CODE	TITLE:
MAT 52	HOT LINE
<p>1. FUNCTION:</p> <p>This command is used to assign a Hot Line to stations, ATTCONs and trunks.</p>	
<p>2. PRECAUTION:</p> <p>(1) The maximum number of Hot Lines is 100, and the connection is one way from the calling side to the called side. Thus, for connection in the opposite direction, the calling and called side must be assigned to another Hot Line number. If all the Hot Lines are to be made bothway lines, the maximum number of Hot Lines is 50.</p> <p>(2) The Station Number to be assigned as the Calling Station Number must be set as “Hot Line” via CM12 YY = 03.</p> <p>(3) If Hot Line-Outside is assigned by this command, data assignment via CM71 and CM72 are required.</p> <p>(4) This command is included in MAT mode menu “A6” (Hot Line [COM01]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> $\boxed{\text{ST}} + 52\text{YY} + \boxed{\text{DE}} + \begin{matrix} \text{CALLING SIDE/} \\ \text{CALLED SIDE} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(1 - 4 digits)} \end{matrix} + \boxed{\text{EXE}}$ </p>	

COMMAND CODE	TITLE:
MAT 52	HOT LINE

4. DATA TABLE:

4.1 Hot Line

YY		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ? 99	Hot Line Number 00 ~ 99	0	Calling Side	X ? XXXX	Station Number/Data Station Number (See CM12 YY = 03)
				1	Called Side
		E000	ATTCON		
		01XX	Hotline-Outside XX represents the abbreviated code for System Speed Dialing (See CM71 and CM72)		

4.2 FAX Incoming Call Lamp Indication

YY		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ? 99	Pair Number 00 - 99	0	Calling Side	X ? XXXX	FAX Call Station No. (Hot Line Station No.)
				1	Called Side	X ? XXXX	FAX Station No. (Hot Line Station No.)

COMMAND CODE		TITLE:																																																							
53		TRUNK ANSWER FROM ANY STATION RESTRICTION																																																							
<p>1. FUNCTION:</p> <p>This command is used to define the conditions for TAS service.</p>																																																									
<p>2. PRECAUTION:</p> <p>None</p>																																																									
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text"/>ST + 53Y + <input type="text"/>DE + CONDITION + <input type="text"/>DE + DATA + <input type="text"/>EXE (1 digit) (1 digit) (1 digit) </p>																																																									
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Y</th> <th colspan="2">CONDITION</th> <th colspan="2">SETTING DATA</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>CODE</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="2">0</td> <td rowspan="2">TAS Answer A (CM20-047)</td> <td rowspan="2">0</td> <td rowspan="2">Answering a C.O. Ringdown Incoming Call (CM30 YY = 02, 03)</td> <td>0</td> <td>Not allowed</td> </tr> <tr> <td>1 ◀</td> <td>Allowed</td> </tr> <tr> <td rowspan="2">1</td> <td rowspan="2">TAS Answer B (CM20-048)</td> <td rowspan="2">1</td> <td rowspan="2">Answering a DID/Tie Line Incoming Call (CM76, data = D13, CM58 YY = 02 - 07)</td> <td>0</td> <td>Not allowed</td> </tr> <tr> <td>1 ◀</td> <td>Allowed</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">TAS Answer C (CM20-049)</td> <td rowspan="2">3</td> <td rowspan="2">Answering a C.O. Incoming Call (Night) in the case of Day/Night Changeover System (CM30 YY = 03)</td> <td>0</td> <td>Not allowed</td> </tr> <tr> <td>1 ◀</td> <td>Allowed</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">TAS Answer D (CM20-050)</td> <td rowspan="2">4</td> <td rowspan="2">Answering an overflow call of Direct- In Termination (CM30 YY = 13, 14)</td> <td>0</td> <td>Not allowed</td> </tr> <tr> <td>1 ◀</td> <td>Allowed</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">TAS Answer E (CM20-051)</td> <td rowspan="2">7</td> <td rowspan="2">Own and Other Tenant Answer, or Own Tenant Answer</td> <td>0</td> <td>Own and Other Tenant Answer (Related to CM63)</td> </tr> <tr> <td>1 ◀</td> <td>Own Tenant Answer</td> </tr> </tbody> </table>						Y		CONDITION		SETTING DATA		No.	MEANING	CODE	MEANING	DATA	MEANING	0	TAS Answer A (CM20-047)	0	Answering a C.O. Ringdown Incoming Call (CM30 YY = 02, 03)	0	Not allowed	1 ◀	Allowed	1	TAS Answer B (CM20-048)	1	Answering a DID/Tie Line Incoming Call (CM76, data = D13, CM58 YY = 02 - 07)	0	Not allowed	1 ◀	Allowed	2	TAS Answer C (CM20-049)	3	Answering a C.O. Incoming Call (Night) in the case of Day/Night Changeover System (CM30 YY = 03)	0	Not allowed	1 ◀	Allowed	3	TAS Answer D (CM20-050)	4	Answering an overflow call of Direct- In Termination (CM30 YY = 13, 14)	0	Not allowed	1 ◀	Allowed	4	TAS Answer E (CM20-051)	7	Own and Other Tenant Answer, or Own Tenant Answer	0	Own and Other Tenant Answer (Related to CM63)	1 ◀	Own Tenant Answer
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COMMAND CODE	TITLE: INTERCOM ZONE PAGING GROUP/INTERCOM GROUP
(MAT) 56	

1. FUNCTION:

This command is used to assign the Multiline Terminal station number for Automatic/Manual/Dial Intercom and Internal Zone Paging.

2. PRECAUTION:

This command is included in MAT mode menu "A8" (Intercom Group [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 56YY + DE + SERIAL No. / INTERCOM No. + DE + DATA + EXE
 (2 digits) / (4 digits) (1 - 4 digits)

4. DATA TABLE:

◀ : Initial Data

YY		INTERCOM No. SERIAL No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00 ? 07	Internal Zone Paging Group 0 ? Internal Zone Paging Group 7	XX: Serial Num- ber within the group (00 - 15)	X ? XXXX	Paged Station Number (Primary Extension Number of the Multiline Terminal to be set)	CM15 YY = 49 CM20-A30-A45 CM90
00 ? 07	Simultaneous Paging Group 0 ? Simultaneous Paging Group 7	XX: Serial Num- ber within the group (00 - 15)	X ? XXXX	Station Number (Primary Extension Number of the Multiline Terminal to be set)	CM15 YYY = 119 CM20 B00-B17 CM90
10	Assignment of Automatic Inter- com Number	A000 A100, A001 A101, : : A031 A131	X ? XXXX	Station Number (Primary Extension Number of the Multiline Terminal to be set)	CM11 CM12 YY = 03 CM90 CM08-237

COMMAND CODE	TITLE:
(MAT) 56	INTERCOM ZONE PAGING GROUP/INTERCOM GROUP

◀ : Initial Data

YY		INTERCOM No. SERIAL No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
11	Assignment of Manual Intercom Number	A200 ∩ A700 A201 ∩ A701 ∴ A224 ∩ A724	X ∩ XXXX	Station Number (Primary Extension Number of the Multiline Terminal to be set)	CM11 CM12 YY = 03 CM90 CM08-238
12	Assignment of Dial Intercom Number	B000 ∩ B900 B001 ∩ B901 ∴ B024 ∩ B924	X ∩ XXXX	Station Number (Primary Extension Number of the Multiline Terminal to be set)	CM11 CM12 CM90 CM08-239

COMMAND CODE	TITLE:																		
58	LDN DIVERSION																		
<p>1. FUNCTION:</p> <p>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.</p>																			
<p>2. PRECAUTION:</p> <p>This data is valid when CM08-205 is assigned to "0".</p>																			
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 58YY + DE + LDN/TIE (2 digits) + DE + DATA (1 - 4 digits) + EXE </p>																			
<p>4. DATA TABLE:</p> <table border="1"> <thead> <tr> <th>LDN/TIE Note</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Effective data in CM35 YY = 15</td> </tr> <tr> <td>01</td> <td>LDN 0 Key (Data 00 in CM90)</td> </tr> <tr> <td>⋮</td> <td>⋮</td> </tr> <tr> <td>08</td> <td>LDN 7 Key (Data 07 in CM90)</td> </tr> <tr> <td>10</td> <td>Effective data in CM35 YY = 15</td> </tr> <tr> <td>11</td> <td>TIE 0 Key (Data 00 in CM90)</td> </tr> <tr> <td>⋮</td> <td>⋮</td> </tr> <tr> <td>18</td> <td>TIE 7 Key (Data 07 in CM90)</td> </tr> </tbody> </table> <p>Note: Data set by this command is effective based on the data assigned by CM50 YY = 01/02.</p>		LDN/TIE Note	MEANING	00	Effective data in CM35 YY = 15	01	LDN 0 Key (Data 00 in CM90)	⋮	⋮	08	LDN 7 Key (Data 07 in CM90)	10	Effective data in CM35 YY = 15	11	TIE 0 Key (Data 00 in CM90)	⋮	⋮	18	TIE 7 Key (Data 07 in CM90)
LDN/TIE Note	MEANING																		
00	Effective data in CM35 YY = 15																		
01	LDN 0 Key (Data 00 in CM90)																		
⋮	⋮																		
08	LDN 7 Key (Data 07 in CM90)																		
10	Effective data in CM35 YY = 15																		
11	TIE 0 Key (Data 00 in CM90)																		
⋮	⋮																		
18	TIE 7 Key (Data 07 in CM90)																		

COMMAND CODE	TITLE:
58	LDN DIVERSION

◀ : Initial Data

YY		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Tenant number of the LDN assigned by CM50-01	00 ? 63 None ◀	Tenant 00 ? Tenant 63
01	TAS group number assigned by CM44-13	00 ? 63 None ◀	TAS Group 00 ? TAS Group 63
02	Day mode destination of the LDN	00 ? 07 08 09 None ◀	ATTCON LDN/TIE Key 0 ? ATTCON LDN/TIE Key 7 TAS (See CM53) Station/Outside Party Note
03	Night mode destination of the LDN	00 ? 09 None ◀	As per YY = 02 Note
04	Day mode diversion for busy destination station	00 01 ? 07 08 09 None ◀	ATTCON Busy Key } Not used TAS (See CM53) Camp-on station
05	Night mode diversion for busy destination station	00 ? 09 None ◀	As per YY = 04
06	Day mode diversion for non-answering destination station	00 01 ? 07 08 None ◀	ATTCON "NANS" Key } Not used TAS (See CM53)

COMMAND CODE		TITLE:	
58		LDN DIVERSION	
◀: Initial Data			
YY		SETTING DATA	
No.	MEANING	DATA	MEANING
07	Night mode diversion for non-answering destination station	00 ? 08 None ◀	As per YY = 06
08	Day mode station number/Abbreviate Code for Outside Party (LDN-Outside)	X ? XXXX CXX None ◀	} Station No. Abbreviated Code for Outside Party (XX: 00 - 31, See CM71-66)
09	Night mode station number/Abbreviate Code for Outside Party (LDN-Outside)	X ? XXXX CXX None ◀	} Station No. Abbreviated Code for Outside Party (XX: 00 - 31, See CM71-66)
10	Company Name data for Dialed Number Identification Service	20 ? 5F None ◀	Character Code (Max. 8 digits) (See CM77)

COMMAND CODE	TITLE:																
59	TAS/ACD/UCD RELAY INTERRUPTION PATTERN																
<p>1. FUNCTION:</p> <p>This command is used to assign the interruption pattern on the TAS and ACD/UCD indicators controlled via the PN-DK00 card.</p>																	
<p>2. PRECAUTION:</p> <p>None</p>																	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 59 + DE + FUNCTION NUMBER (2 digits) + DE + DATA (2 digits) + EXE </p>																	
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">FUNCTION NUMBER</th> <th style="width: 30%;">PURPOSE</th> <th style="width: 10%;">DATA</th> <th style="width: 40%;">MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">00</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">TAS/ACD/UCD RELAY INTERRUPTION PATTERN (See CM44-13xx/14x)</td> <td style="text-align: center;">01</td> <td>30 IPM</td> </tr> <tr> <td style="text-align: center;">02</td> <td>60 IPM</td> </tr> <tr> <td style="text-align: center;">03 ◀</td> <td>120 IPM</td> </tr> <tr> <td style="text-align: center;">07</td> <td>Steady on</td> </tr> </tbody> </table>				FUNCTION NUMBER	PURPOSE	DATA	MEANING	00	TAS/ACD/UCD RELAY INTERRUPTION PATTERN (See CM44-13xx/14x)	01	30 IPM	02	60 IPM	03 ◀	120 IPM	07	Steady on
FUNCTION NUMBER	PURPOSE	DATA	MEANING														
00	TAS/ACD/UCD RELAY INTERRUPTION PATTERN (See CM44-13xx/14x)	01	30 IPM														
		02	60 IPM														
		03 ◀	120 IPM														
		07	Steady on														

COMMAND CODE	TITLE: VIRTUAL LINE – VIRTUAL TRUNK PATH SETTING
5A	

1. FUNCTION:

Specify a path between the virtual line and virtual trunk for Wireless Communication System.

2. PRECAUTION:

Combination of the virtual line and the virtual trunk must be as follows:

- Level 0 Trunk No. and Level 1 Station No.
- Level 2 Trunk No. and Level 3 Station No.

3. ASSIGNMENT PROCEDURE:

ST + 5AYY + DE + BLOCK No. (3 digits) + DE + VIRTUAL TRUNK No. (4 digits) + ,
 + VIRTUAL STATION No. (1-4 digits) + EXE

4. DATA TABLE:

YY	BLOCK No.	SETTING DATA	RELATED COMMAND
00	000 – 169	<p style="margin: 0;"><u>DXXX , XXXX</u></p> <div style="margin-left: 40px;"> <p style="margin: 0;">└── Virtual Station No. X – XXXX</p> <p style="margin: 0;">└── Virtual Trunk No. D000 – D255</p> </div>	

COMMAND CODE	TITLE:																					
<div style="border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block;">MAT</div> 60	ATT GROUP, FUNCTIONS																					
<p>1. FUNCTION:</p> <p>This command is used to assign a number to an ATTCON 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.</p>																						
<p>2. PRECAUTION:</p> <p>(1) CM60 YY = 00, 01, 02, 04, 06 require a system reset after data setting.</p> <p>(2) The password for ATTCON (YY = 30) cannot be assigned by the MAT mode menu.</p> <p>(3) When assigning a password code for an ATTCON by CM60 YY = 30, the Function Number (0/1) is required as the first data. The purpose of Function Numbers is shown below.</p> <p style="margin-left: 40px;">0: To assign a password for ATTCON Lockout 1: To assign a password for Attendant Programming (DISA, System Speed Dialing, Date and Time, and Tone Ringer)</p> <p>(4) This command is included in MAT mode menu "C2" (ATT Group, Functions [COM02]).</p>																						
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 60\text{YY} + \boxed{\text{DE}} + \frac{\text{ATTCON NUMBER (0 - 7)}}{\text{FUNCTION NUMBER (0/1)}} + \boxed{\text{DE}} + \text{DATA (1 - 8 digits)} + \boxed{\text{EXE}}$																						
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">YY</th> <th colspan="2" style="text-align: center;">GROUP NUMBER</th> <th rowspan="2" style="text-align: center;">RELATED COMMAND</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">00 (Group No.)</td> <td style="vertical-align: top;">ATT GROUP <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div></td> <td style="vertical-align: top;">0 1 2 3</td> <td style="vertical-align: top;">ATT GROUP 0 ATT GROUP 1 ATT GROUP 2 ATT GROUP 3</td> <td style="vertical-align: top;">CM62 CM51 YY = 13</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">01 (Master)</td> <td style="vertical-align: top;">Designation of Master ATT within ATT Group <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div></td> <td style="vertical-align: top;">0 1 ◀</td> <td style="vertical-align: top;">Master ATT Not Master ATT Note: <i>Master ATT must be assigned to a single ATTCON within ATT Group.</i></td> <td></td> </tr> </tbody> </table>				YY		GROUP NUMBER		RELATED COMMAND	No.	MEANING	DATA	MEANING	00 (Group No.)	ATT GROUP <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div>	0 1 2 3	ATT GROUP 0 ATT GROUP 1 ATT GROUP 2 ATT GROUP 3	CM62 CM51 YY = 13	01 (Master)	Designation of Master ATT within ATT Group <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div>	0 1 ◀	Master ATT Not Master ATT Note: <i>Master ATT must be assigned to a single ATTCON within ATT Group.</i>	
YY		GROUP NUMBER		RELATED COMMAND																		
No.	MEANING	DATA	MEANING																			
00 (Group No.)	ATT GROUP <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div>	0 1 2 3	ATT GROUP 0 ATT GROUP 1 ATT GROUP 2 ATT GROUP 3	CM62 CM51 YY = 13																		
01 (Master)	Designation of Master ATT within ATT Group <div style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px;">INITIAL</div>	0 1 ◀	Master ATT Not Master ATT Note: <i>Master ATT must be assigned to a single ATTCON within ATT Group.</i>																			

COMMAND CODE		TITLE:		
MAT 60		ATT GROUP, FUNCTIONS		
◀: Initial Data				
YY		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02 (A0)	Trunk Restriction Class change by NT Switch Note 1 INITIAL	0 1 ◀	Effective Ineffective	CM12 YY=01
04 (A2)	Outgoing call restriction on night mode by NT Switch Note 1 INITIAL	0 1 ◀	Effective Ineffective	CM30 YY=08
06 (A4)	Day/Night mode change by NT Switch Note 1 INITIAL	0 1 ◀	Effective Ineffective	CM30 YY=02, 03, 04, 05, 13, 14 CM76 Y=0, 1 CM58 YY=02-09
15 (F5)	Location change of the Answer and Release key on the ATTCON	0 1 ◀	Key No. 25-Release, Key No. 26-Answer Key No. 25-Answer, Key No. 26-Release	
16 (F6)	Off-Hook Ringing for ATTCON	0 1 ◀	To provide Not provided	
17 (F7)	ATTCON Multi-Function Key	0 1 ◀	Ineffective Effective	CM90 YY=00
22	Kind of Attendant Console INITIAL	0 1 ◀	DESKCON (SN716 DESKCON) ATTCON (SN610 ATTCON)	
27 (TONE RING)	Tone Ringer for ATTCON	0 1 2 3 ◀	600 + 700 480 + 606 × 8 (Hz) 1024 + 1285 × 16 (Hz) 480 + 606 × 16 (Hz)	
30	Password for ATTCON	X ? XX...XX NONE ◀	Password code (Max. 8 digits) X = 0-9, A (*), B (#) Note 2	
<p>Note 1: These data are effective for NITE key on an ATTCON and Day/Night Mode Change on an ATTCON. The NT switch is effective only on the Master ATTCON assigned by CM60 YY=01.</p> <p>Note 2: In the initial data (NONE), the password code is set to "12345678".</p>				

COMMAND CODE	TITLE:																																																					
(MAT) 61	EXTERNAL KEY FUNCTION																																																					
<p>1. FUNCTION:</p> <p>This command is used to activate and specify the function of the switch closure detection circuit (PN-DK00) card when interfaced with external keys.</p>																																																						
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu "E4" (External Key function [COM02]).</p>																																																						
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 61YY + DE + KEY NUMBER (3 digits) + DE + DATA (1 - 3 digits) + EXE </p>																																																						
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">KEY NUMBER</th> <th colspan="2" style="text-align: center;">YY</th> <th colspan="2" style="text-align: center;">SETTING DATA</th> <th style="text-align: center;">RELATED COMMAND</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="6" style="vertical-align: top;"> XXX <div style="margin-left: 20px;"> XX X └─ Circuit No. (0-3) └─ Card No. (00-63) </div> <p style="font-size: small; margin-top: 10px;">Note: Card number corresponds to 00 - 63 of CM10 E900 - E963.</p> </td> <td></td> <td style="text-align: center;">00 (TN)</td> <td>Destination of Tenant</td> <td style="text-align: center;">00 ? 63</td> <td>Tenant 00 ? Tenant 63</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">01 (A0)</td> <td>Change Day/Night trunk restriction Class by external key</td> <td style="text-align: center;">0 1 ◀</td> <td>Effective Ineffective</td> <td>CM12 YY = 01</td> </tr> <tr> <td></td> <td style="text-align: center;">03 (A2)</td> <td>Outgoing call restriction on night mode by external key</td> <td style="text-align: center;">0 1 ◀</td> <td>Effective Ineffective</td> <td>CM30 YY = 08</td> </tr> <tr> <td></td> <td style="text-align: center;">05 (A4)</td> <td>Day/Night mode change by external key</td> <td style="text-align: center;">0 1 ◀</td> <td>Effective Ineffective</td> <td>CM30 YY = 02, 03, 04, 05, 13, 14, 26 CM76 Y = 0, 1 CM58 YY = 02 - 09</td> </tr> <tr> <td></td> <td style="text-align: center;">06 (A5)</td> <td>Even if station-to-station call is restricted, calling tenant is allowed to cancel restriction by external key</td> <td style="text-align: center;">0 1 ◀</td> <td>Effective Ineffective</td> <td>CM63 Y = 1</td> </tr> <tr> <td></td> <td style="text-align: center;">30</td> <td>External key for alarm clearing</td> <td style="text-align: center;">00</td> <td>MJ/MN Alarm Clear key</td> <td></td> </tr> </tbody> </table>				KEY NUMBER		YY		SETTING DATA		RELATED COMMAND	No.	MEANING	No.	MEANING	DATA	MEANING		XXX <div style="margin-left: 20px;"> XX X └─ Circuit No. (0-3) └─ Card No. (00-63) </div> <p style="font-size: small; margin-top: 10px;">Note: Card number corresponds to 00 - 63 of CM10 E900 - E963.</p>		00 (TN)	Destination of Tenant	00 ? 63	Tenant 00 ? Tenant 63			01 (A0)	Change Day/Night trunk restriction Class by external key	0 1 ◀	Effective Ineffective	CM12 YY = 01		03 (A2)	Outgoing call restriction on night mode by external key	0 1 ◀	Effective Ineffective	CM30 YY = 08		05 (A4)	Day/Night mode change by external key	0 1 ◀	Effective Ineffective	CM30 YY = 02, 03, 04, 05, 13, 14, 26 CM76 Y = 0, 1 CM58 YY = 02 - 09		06 (A5)	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		30	External key for alarm clearing	00	MJ/MN Alarm Clear key	
KEY NUMBER		YY		SETTING DATA		RELATED COMMAND																																																
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XXX <div style="margin-left: 20px;"> XX X └─ Circuit No. (0-3) └─ Card No. (00-63) </div> <p style="font-size: small; margin-top: 10px;">Note: Card number corresponds to 00 - 63 of CM10 E900 - E963.</p>		00 (TN)	Destination of Tenant	00 ? 63	Tenant 00 ? Tenant 63																																																	
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		03 (A2)	Outgoing call restriction on night mode by external key	0 1 ◀	Effective Ineffective	CM30 YY = 08																																																
		05 (A4)	Day/Night mode change by external key	0 1 ◀	Effective Ineffective	CM30 YY = 02, 03, 04, 05, 13, 14, 26 CM76 Y = 0, 1 CM58 YY = 02 - 09																																																
		06 (A5)	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																																																
		30	External key for alarm clearing	00	MJ/MN Alarm Clear key																																																	

COMMAND CODE	TITLE:		INITIAL																																							
62	TENANTS FOR EACH ATT GROUP		INITIAL																																							
<p>1. FUNCTION:</p> <p>This command is used to assign which tenants are handled by each ATTCON Group.</p>																																										
<p>2. PRECAUTION:</p> <p>(1) This command requires a system reset after data setting.</p> <p>(2) Multiple tenants can be assigned to one ATT Group, but one tenant cannot be assigned to more than one ATT Group.</p>																																										
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 62Y + DE + TENANT NUMBER (2 digits) + DE + DATA (1 digit) + EXE </p>																																										
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Y</th> <th colspan="2">TENANT</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">RELATED COMMAND</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>No.</th> <th>MEANING</th> <th>No.</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>ATT GROUP 0</td> <td>00</td> <td>Tenant 00</td> <td>0</td> <td>To be handled</td> <td rowspan="4">CM60 YY = 00</td> </tr> <tr> <td>1</td> <td>ATT GROUP 1</td> <td>?</td> <td>?</td> <td>1 ◀</td> <td>Not to be handled</td> </tr> <tr> <td>2</td> <td>ATT GROUP 2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>ATT GROUP 3</td> <td>63</td> <td>Tenant 63</td> <td></td> <td></td> </tr> </tbody> </table>					Y		TENANT		SETTING DATA		RELATED COMMAND	No.	MEANING	No.	MEANING	No.	MEANING	0	ATT GROUP 0	00	Tenant 00	0	To be handled	CM60 YY = 00	1	ATT GROUP 1	?	?	1 ◀	Not to be handled	2	ATT GROUP 2					3	ATT GROUP 3	63	Tenant 63		
Y		TENANT		SETTING DATA		RELATED COMMAND																																				
No.	MEANING	No.	MEANING	No.	MEANING																																					
0	ATT GROUP 0	00	Tenant 00	0	To be handled	CM60 YY = 00																																				
1	ATT GROUP 1	?	?	1 ◀	Not to be handled																																					
2	ATT GROUP 2																																									
3	ATT GROUP 3	63	Tenant 63																																							

COMMAND CODE		TITLE:				
63		RESTRICTION OF INTER-TENANT CONNECTION				
1. FUNCTION:						
This command is used to define the restrictions on inter-tenant access.						
2. PRECAUTION:						
None						
3. ASSIGNMENT PROCEDURE:						
$\boxed{\text{ST}} + 63\text{Y} + \boxed{\text{DE}} + \begin{matrix} \text{TENANT-A} \\ (2 \text{ digits}) \end{matrix} + \begin{matrix} \text{TENANT-B} \\ (2 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1 - 4 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$						
4. DATA TABLE:						
						◀: Initial Data
Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	No.	MEANING	
0	TAS answer from another tenant	XXXX	XX XX └── (TENANT-B: 00-63) Tenant number of Trunk └── (TENANT-A: 00-63) Tenant number of TAS Answer Station	0 1 ◀	TAS allowed TAS not allowed	CM53 Y = 4 CM30 YY = 17
1	Restriction of Inter-office Connection	XXXX	XX XX └── (TENANT-B: 00-63) Tenant number of Called Station └── (TENANT-A: 00-63) Tenant number of Calling Station	0 1 ◀	Connection restricted Connection allowed	CM61 YY = 06 CM08 - 150
2	Restriction of incoming DID/ Tie line call/ Automated Attendant	XXXX	XX XX └── (TENANT-B: 00-63) Tenant number of Trunk └── (TENANT-A: 00-63) Tenant number of called station	0 1 ◀	Termination restricted Termination allowed	

COMMAND CODE		TITLE:																																													
64		AUTOMATED ATTENDANT																																													
<p>1. FUNCTION:</p> <p>This command defines the answering system of the Automated Attendant feature.</p>																																															
<p>2. PRECAUTION:</p> <p>None</p>																																															
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 64Y + DE + TENANT NUMBER (2 digits) + DE + DATA (1 digit) + EXE </p>																																															
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Y		TENANT	SETTING DATA		RELATED COMMAND																																										
No.	MEANING		DATA	MEANING																																											
0	Setting of Answering System	XX: 00 – 63	00	Dial Tone Connection	CM30 YY=02, 03 CM48 Y=2 CM41 Y=0 Function No. 43 CM45 Y=2 CM49 CM62 CM63 Y=2																																										
			01	Not used																																											
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			09																																												
2	Setting of Answering System for Night Mode	XX: 00 – 63	00	DT Connection	CM30 YY=02, 03 CM49 YY=00-02XX, YY=02 CM49 YY=00-01XX CM64 Y=0																																										
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			02	Night Message (Assigned by CM49 YY=00-02XX)																																											
			03 ◀	According to the data set by CM64 Y=0																																											
<p>Note: If no tone connection is required, Dial Tone sending can be stopped by CM48 Y=2.</p>																																															

COMMAND CODE		TITLE:																																																	
65		SERVICE FEATURES ON TENANT BASIS																																																	
<p>1. FUNCTION:</p> <p>This command is used to define the features available in each tenant.</p>																																																			
<p>2. PRECAUTION:</p> <p>None</p>																																																			
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text" value="ST"/> + 65YY + <input type="text" value="DE"/> + TENANT NUMBER (2 digits) + <input type="text" value="DE"/> + DATA (1 digit) + <input type="text" value="EXE"/> </p>																																																			
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Y</th> <th rowspan="2">TENANT</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">RELATED COMMAND</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="2">23</td> <td rowspan="2">Call Forwarding type when an internal call from station is terminated</td> <td rowspan="8">XX: 00 – 63</td> <td>0</td> <td>Split Call Forwarding–All Calls/Busy Line/No Answer</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Call Forwarding–All Calls/Busy Line/No Answer</td> </tr> <tr> <td rowspan="2">24</td> <td rowspan="2">Call Forwarding type when a C.O. incoming call is terminated</td> <td>0</td> <td>Split Call Forwarding–All Calls/Busy Line/No Answer</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Call Forwarding–All Calls/Busy Line/No Answer</td> </tr> <tr> <td rowspan="2">25</td> <td rowspan="2">Call Forwarding type when a Tie Line incoming call is terminated</td> <td>0</td> <td>Split Call Forwarding–All Calls/Busy Line/No Answer</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Call Forwarding–All Calls/Busy Line/No Answer</td> </tr> <tr> <td rowspan="2">26</td> <td rowspan="2">Number Display through CCIS for SMDR between 2000 IVS and NEAX2400</td> <td>0</td> <td>My Line Number</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Sub Line Number</td> </tr> <tr> <td rowspan="2">27</td> <td rowspan="2">Service feature for each tenant</td> <td>0</td> <td>ACD</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Not ACD</td> </tr> </tbody> </table>						Y		TENANT	SETTING DATA		RELATED COMMAND	No.	MEANING	DATA	MEANING	23	Call Forwarding type when an internal call from station is terminated	XX: 00 – 63	0	Split Call Forwarding–All Calls/Busy Line/No Answer		1 ◀	Call Forwarding–All Calls/Busy Line/No Answer	24	Call Forwarding type when a C.O. incoming call is terminated	0	Split Call Forwarding–All Calls/Busy Line/No Answer		1 ◀	Call Forwarding–All Calls/Busy Line/No Answer	25	Call Forwarding type when a Tie Line incoming call is terminated	0	Split Call Forwarding–All Calls/Busy Line/No Answer		1 ◀	Call Forwarding–All Calls/Busy Line/No Answer	26	Number Display through CCIS for SMDR between 2000 IVS and NEAX2400	0	My Line Number		1 ◀	Sub Line Number	27	Service feature for each tenant	0	ACD		1 ◀	Not ACD
Y		TENANT	SETTING DATA		RELATED COMMAND																																														
No.	MEANING		DATA	MEANING																																															
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27	Service feature for each tenant	0	ACD																																																
		1 ◀	Not ACD																																																

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 SCF	XX: 00 – 63	0	Send RR (Returned Result) after SMFN	
			1 ◀	Send RR (Returned Result) before SMFN	
30	VMS Password Privacy		0	VMS Password Privacy Allowed	CM13 YY=10
			1 ◀	Not allowed	
50	When the transferred destination does not answer		0	Connection of the Transferred Trunk Line Message (No Answer)	CM49 YY=00, 06
			1 ◀	Recall transferring station	
51	When the transferred destination is busy		0	Connection of the Transferred Trunk Line Message (Busy)	CM49 YY=00, 07
			1 ◀	Recall transferring station	

COMMAND CODE	TITLE:
MAT 71	MEMORY ALLOCATION FOR SYSTEM SPEED DIALING

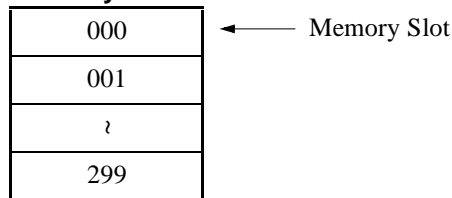
1. FUNCTION:

This command is used to allocate memory area for System Speed Dialing to tenants, attendants and Hot Line outside stations.

2. PRECAUTION:

- (1) 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 a “Memory Slot”.

Memory Block



Example: *The System Speed Dialing memory is assigned to three tenants as follows:*

TENANT	QUANTITY OF SLOTS	RANGE OF SLOT NUMBERS
00	20	000 - 019
01	15	020 - 034
02	10	035 - 044

(2) Limitation on Memory Slot allocation:

- 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 Call: Maximum of 100 memory slots (maximum number of Hot Lines)
- For Route Advance from Tie Line to C.O. line: Maximum of 64 memory slots (maximum number of Trunk Routes)

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR SYSTEM SPEED DIALING
MAT 71	

- (3) There is a maximum of 300 memory slots assigned by this command. However, if required, another 1000 memory slots can be added. In this case, the maximum number of digits stored is 16. These additional 1000 memory slots are to be assigned with CM 08-110, 111, 112, 176, and CM73 and CM74.
- (4) The Abbreviated codes for 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.)	(Abbrev. Code)	(Memory Slot No.)	(Abbrev. Code)	(Memory Slot No.)	(Abbrev. 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.
- (6) This command is included in the MAT mode menu "E11" [Speed Dialing (COM02)].

3. ASSIGNMENT PROCEDURE:

ST + 71 + DE + KIND OF CALLING PARTY + DE + DATA (6 digits) + EXE
 (2 digits)

COMMAND CODE	TITLE:
MAT 71	MEMORY ALLOCATION FOR SYSTEM SPEED DIALING

4. DATA TABLE:

KIND OF CALLING PARTY		SETTING DATA	
No.	MEANING	MEANING	MEANING
00 ? 63	Tenant 00 ? Tenant 63	XXXXXX	<u>XXX XXX</u> └───┬───┘ Number of Slots to be assigned in Block └───┬───┘ First Memory Slot Number in Block
64	Exclusively for ATTCON		
65	Exclusively for Hot Line Outside Call (Related Command: CM52)		
66	Exclusively for Route Advance from Tie line to C.O. line (Related Command: CM35 YY = 40, CM30 YY = 04, 05, CM58 YY = 08, 09: CXX)		<ul style="list-style-type: none"> • First Memory Slot Number in Block: 000-299 • Number of Slots to be assigned in Block: 001-300
68	The terminating number of the opposite office on alternative ISDN connection	XXXXXX	<u>XXX XXX</u> └───┬───┘ Number of Slots to be assigned in Block └───┬───┘ First Memory Slot Number in Block
			<ul style="list-style-type: none"> • First Memory Slot Number in Block: 000-299 • Number of Slots to be assigned in Block: 001-032

COMMAND CODE	TITLE:
MAT 72	STORED NUMBER FOR SYSTEM SPEED DIALING
<p>1. FUNCTION:</p> <p>This command is used to enter the stored number for the System Speed Dialing feature into the memory allocated with CM71.</p>	
<p>2. PRECAUTION:</p> <p>(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 .</p> <p>(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 .</p> <p>(3) If “C” is inserted in the called number, when using System Speed Dialing for an Outgoing Tie Line Call, it can be used as a fixed-length pause (1.5 sec.). 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, Function 38.</p> <p>(4) This command is included in the MAT mode menu “E11” (Speed Dialing [COM02]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> $\boxed{\text{ST}} + 72 + \boxed{\text{DE}} + \text{MEMORY SLOT NUMBER (3 digits)} + \boxed{\text{DE}} + \text{STORED NUMBER (Max. 28 digits)} + \boxed{\text{EXE}}$ </p> <p>(1) The stored number, for 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> <p>(2) Each stored number should be assigned, including the access code for C.O. line/Tie line, together with the party's number. The format is as follows: Stored Number = Access Code + Separator Mark + Called Party's Number</p> <ul style="list-style-type: none"> • Access Code: Access Code (Maximum of 2 digits) • Separator Mark: $\boxed{\text{,}}$ to be inserted between the Access Code and the Called Party's Number • Called Party's Number: C.O. network subscriber number or Station number in the distant PBX (maximum of 26 digits) 	

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR STATION SPEED DIALING
(MAT) 73	

1. FUNCTION:

This command is used to allocate memory areas for Station Speed Dialing to individual stations.

2. PRECAUTION:

- (1) The allowed number of 10-Slots Memory Blocks per Station Number ranges from 1 to 10.
- (2) This command is included in the MAT mode menu "E11" (Speed Dialing [COM02]).

3. ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 73 + \boxed{\text{DE}} + \begin{matrix} \text{STATION} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (6 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$$

4. DATA TABLE:

KIND OF CALLING PARTY		SETTING DATA	
No.	MEANING	MEANING	MEANING
X ? XXXX	Station Number which performs Station Speed Dialing	XXXXXX	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>X</p> <p>XX</p> <p>X</p> <p>XX</p> </div> <div style="text-align: left;"> <p>Number of 10-Slot Memory Blocks (01-10)</p> <p>Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed)</p> <p>The first 10-Slot Memory Block number (00-99)</p> <p>The 1000-slots memory Block number (0-4, 8-F)</p> </div> </div> <p>Note 1 through Note 5</p>

Note 1: If 1000-Slot Memory Block number "4" is chosen, then the 10-Slot Memory Block number range is "00" to "49" (see the figure below).

Note 2: If one of the 1000-Slot Memory Blocks is used for System Speed Dialing (indicated with CM08-110, 111, 112, or 176), it cannot also be used for Station Speed Dialing.

Note 3: An entry of "342106" would allocate six (6) 10-Slot Memory Blocks, which would accommodate sixty (60) Station Speed Dial 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.

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR STATION SPEED DIALING
(MAT) 73	

Note 4: When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000- Slot Memory Block number 0-2 contains 26-digits memory buffers.

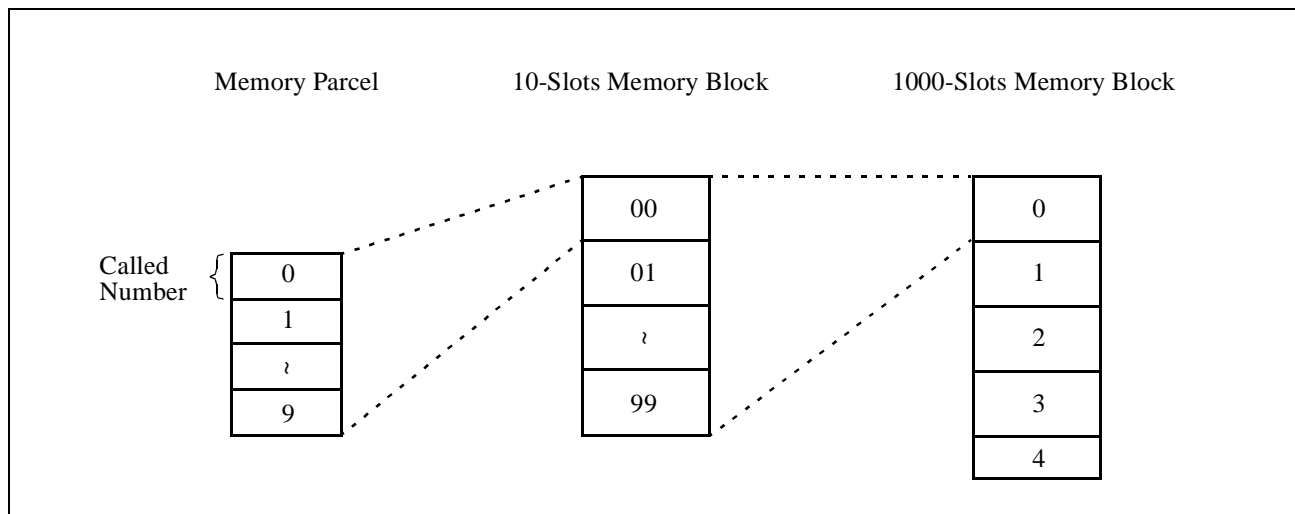
When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block number 0-4 contains 16 digits-memory buffers.

Note 5: If the system provides the Extension Memory card, 1000-Slot Memory Block number 8-F (8000 Memory Percels) can be used. For using this memory area, there are several conditions as mentioned below:

- This memory area can not be used for Speed Dialing with Speed Dialing keys provided by CM90-second data : F11XX on a Multiline Terminal, and can not also be used for System Speed Dialing.
- When exchanging an Extension Memory card for another, data setting for this memory area must be recommenced.
- The Office Data in this memory area can not be saved and loaded by MAT operations.

The memory area for a single called number is referred to as a “memory parcel”. Ten (10) memory parcels are called a “10-Slot Memory Block”, and one hundred (100) 10-Slot Memory Blocks are called a “1000-Slot Memory Block.”

The relationship of Memory Parcels, 10-Slot Memory Blocks, and 1000-Slot Memory Blocks is illustrated below. An example of memory assignment follows.

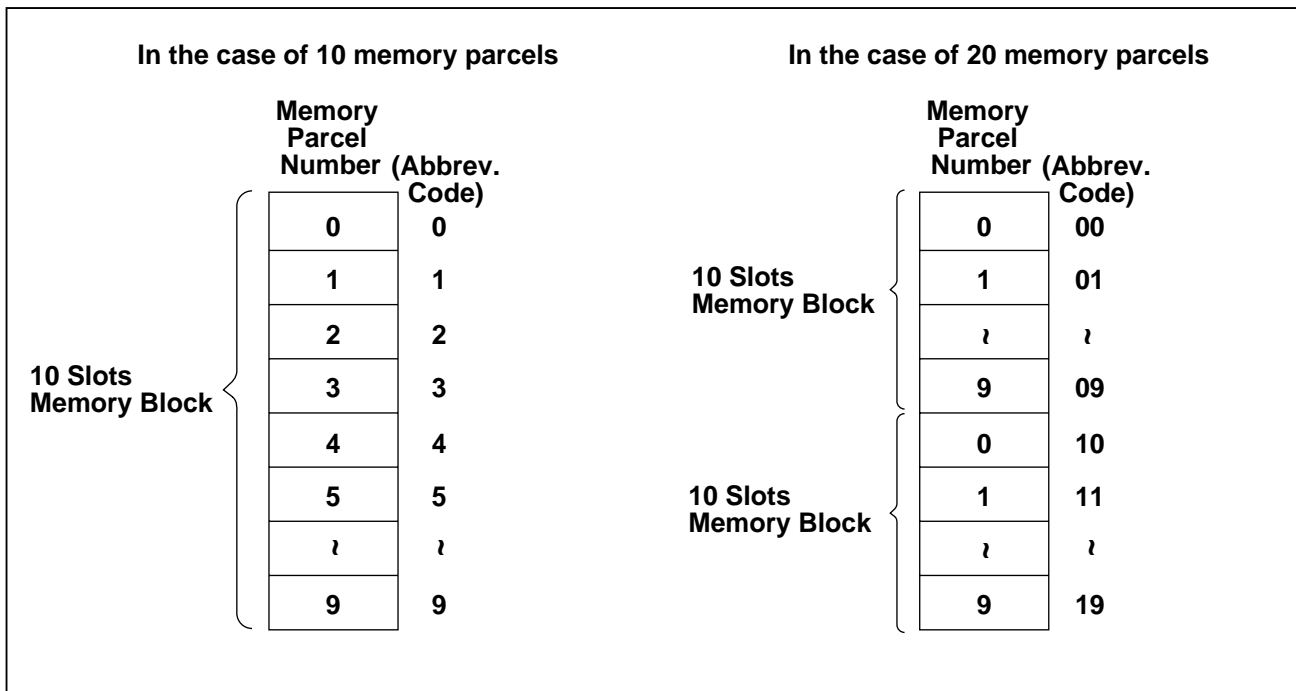


STATION NUMBER	QUANTITY OF SPEED DIAL NUMBERS	1000-SLOT MEMORY BLOCK	10-SLOT MEMORY BLOCKS
300	10	0	00
301	20	0	01, 02
302	30	0	03, 04, 05
303	10	0	06

COMMAND CODE	TITLE: MEMORY ALLOCATION FOR STATION SPEED DIALING
(MAT) 73	

- Concept of the Abbreviated Codes
The abbreviated codes for Station Speed Dialing are automatically determined by assigning this command on a station basis (see figure below).
- 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 relation between Abbreviated Codes and Memory Parcels.



A memory area allocated by CM73 can be shared with several stations. Also, in the stations, which station can assign or change the data can be determined.

Example: (Station Number)	(Assigned data)	(Facility for Programming)
300 } 301 } 302 }	000103 } 000003 } 000003 }	Allowed Not Allowed Not Allowed
310 } 311 } 312 }	003102 } 003002 } 003002 }	Allowed Not Allowed Not Allowed
	} Same Stored } No. (30)	
	} Same Stored } No. (20)	

COMMAND CODE	TITLE:										
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> 74	STORED NUMBER FOR STATION SPEED DIALING										
<p>1. FUNCTION:</p> <p>This command is used to enter the stored number, for the Station Speed Dialing feature, into the memory allocated with CM73.</p>											
<p>2. PRECAUTION:</p> <p>(1) The stored number, exclusive of any access code, can be a maximum of 16 digits or 26 digits.</p> <p>(2) 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>(3) This command is included in the MAT mode menu “E11” (Speed Dialing [COM02]).</p>											
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 74 + \boxed{\text{DE}} + \begin{array}{c} \text{MEMORY SLOT} \\ \text{NUMBER} \\ \text{(4 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{STORED NUMBER} \\ \text{(Max. 16 digits/26 digits)} \end{array} + \boxed{\text{EXE}}$											
<p>4. DATA TABLE:</p> <p>1. MEMORY SLOT NUMBER = 1000-Slot Memory Block number (0-4, 8-F) + 10-Slot Memory Block number (00-99) + Memory Parcel number (0-9)</p> <p>For example, an entry of “3428” represents:</p> <table style="margin-left: 40px;"> <tr> <td>1000-Slot Memory Block number</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> </tr> <tr> <td>10-Slot Memory Block number</td> <td style="text-align: right;">42</td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> </tr> <tr> <td>Memory Parcel number</td> <td style="text-align: right;">8</td> </tr> </table> <p>2. STORED NUMBER = Access Code + Separator Mark + Number</p> <ul style="list-style-type: none"> • Access Code: C.O. line/Tie line Access Code (maximum of two digits) • Separator Mark: , to be inserted between the Access Code and Stored Number • Number: C.O. network subscriber number or station number in the distant PBX <ul style="list-style-type: none"> • maximum of 16 digits for 1000-Slot Memory Block Number 0-3 (CM08-252=1) • maximum of 26 digits for 1000-Slot Memory Block Number 0-3 (CM08-252=0) • maximum of 26 digits for 1000-Slot Memory Block Number 8-F 		1000-Slot Memory Block number	3	+		10-Slot Memory Block number	42	+		Memory Parcel number	8
1000-Slot Memory Block number	3										
+											
10-Slot Memory Block number	42										
+											
Memory Parcel number	8										

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

1. FUNCTION:

This command is used to assign the data required for interpreting the dialed-in digits.

2. PRECAUTION:

The first digit in the RECEIVED DIGITS field must be assigned, in CM20 Y = 0-3, as a station number 801-811.

3. ASSIGNMENT PROCEDURE:

ST + 76Y + DE + RECEIVED DIGITS (1-4 digits) + DE + DATA (1-4 digits) + EXE

4. DATA TABLE:

◀ : Initial Data

Y		RECEIVED DIGITS	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
0	For Day mode	X-XXXX: Station number received Note	X	X: Station Number/ Data Station Number to be terminated	CM35 YY = 18, 78
1	For Night mode		X XXXX		
			DXX	Change Terminating System to: D01: } D02: } Not used D03: } D04: DIT D09: Automated Attendant D13: TAS D14: ATTCON D16: DISA	CM30 YY - 04, 05

Note: When digit conversion of the leading 2-4 digits of a DID incoming LDN is available (CM35 YY = 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.)

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

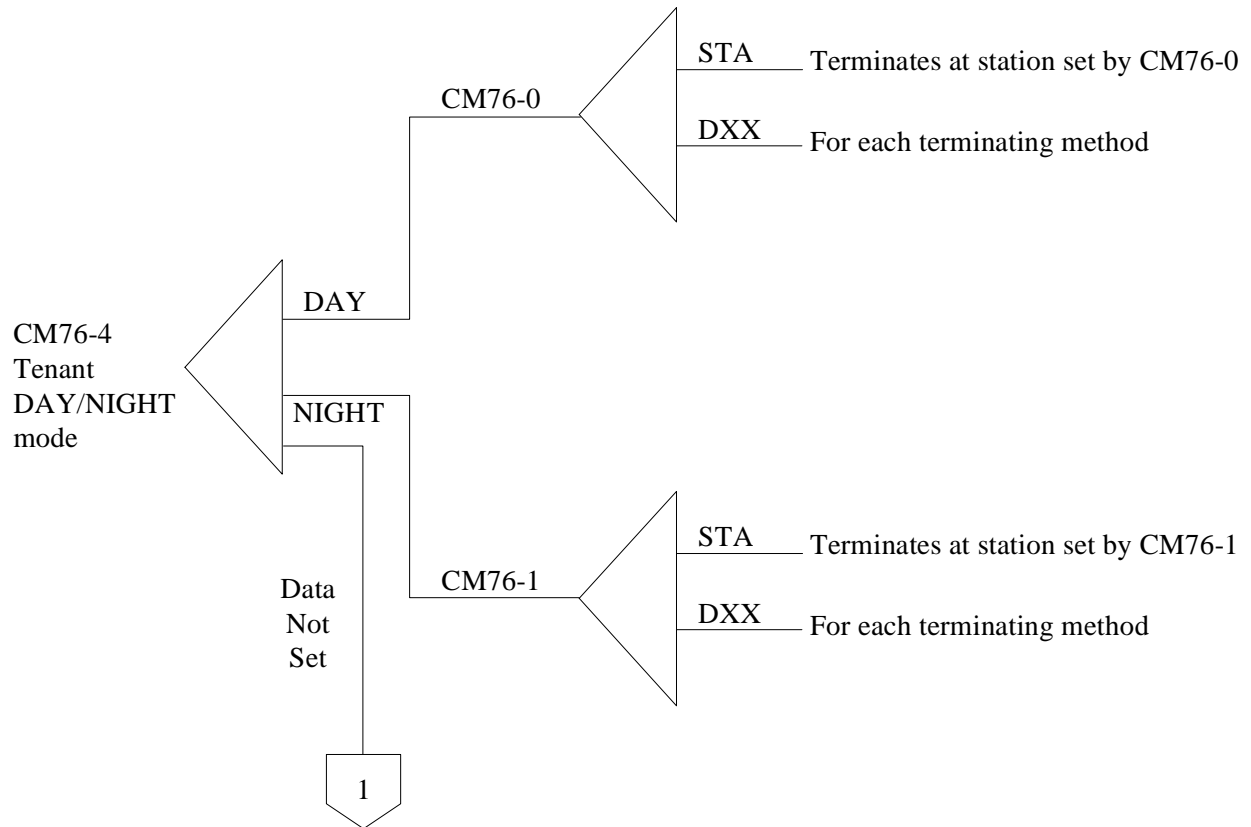
◀ : Initial Data

Y		RECEIVED DIGITS	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
4	Day/Night Mode Distinction of tenant for each station assignment by Direct Inward Dialing	X-XXXX: DID Incoming LDN	00 7 63 None ◀	Tenant 00 7 Tenant 63 Depends on trunk tenant or station tenant (CM08-058) set by CM76 Y = 0	CM08-264 CM35-18
5	Call Waiting for DID call per DID incoming LDN		0 ◀ 1	Restricted Allowed	
6	Priority Queuing per DID incoming LDN		0 1 ◀	Not provided To provide	
8	Automatic Live Record Activation for DID	X-XXXX DID Digits Received Note: <i>This command takes priority over CM35, YY = 22.</i>	0 1 ◀	Start automatically Not available	CM35 YY = 22

COMMAND CODE	TITLE: DIGIT CONVERSION ON DID CALL
76	

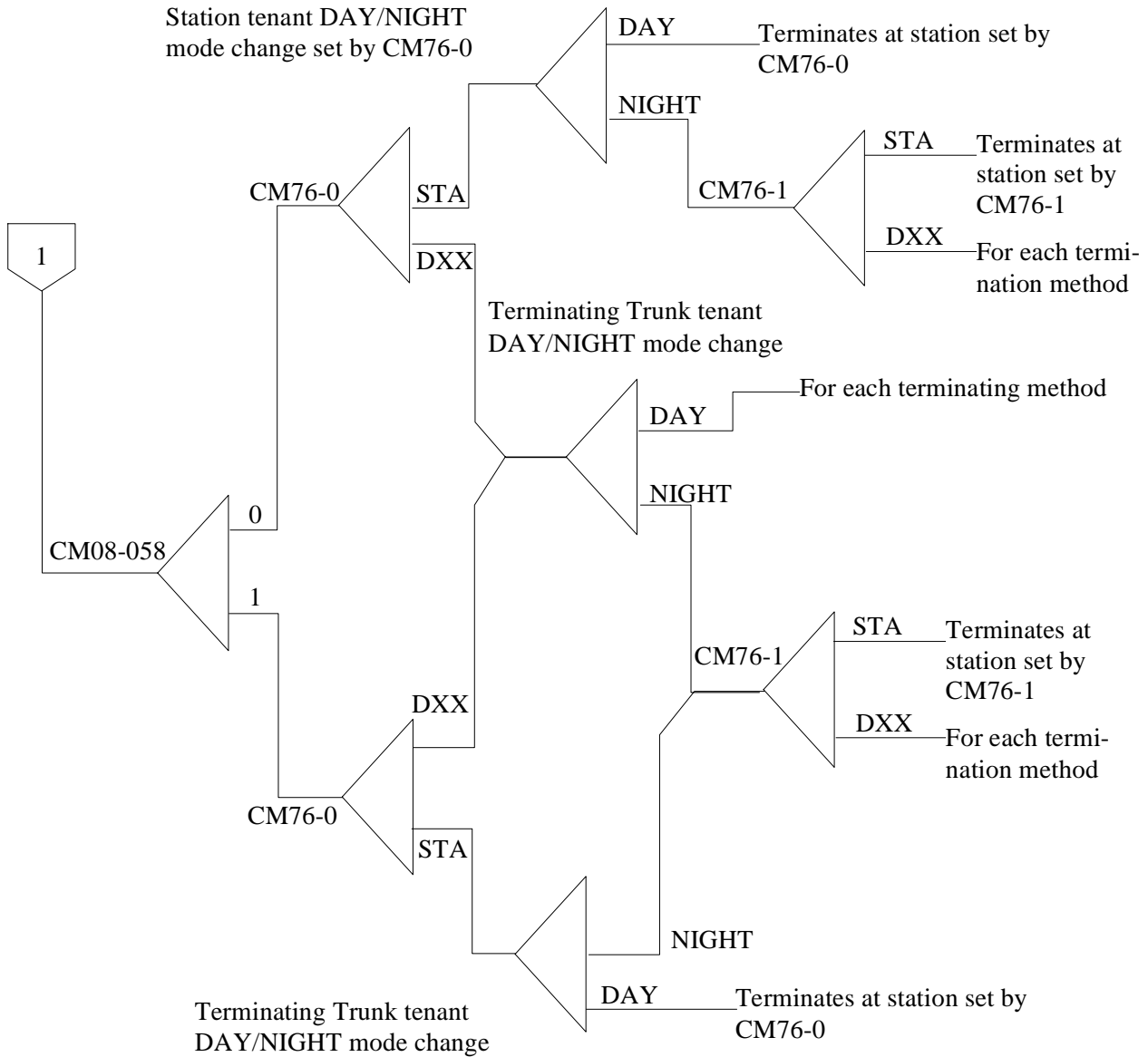
- Data settings for Day/Night Mode Distinction of tenant.
An explanation of tenant selection method for Day/Night Mode change, when a Direct Inward Dialing call terminates, is shown below as a tree diagram for system data registration.

- (1) Example: data settings for tenant associated with each station assignment number (CM08-264-0)



COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

(2) Example: data settings associated with station tenant or trunk tenant (CM08-264-1)



COMMAND CODE	TITLE:
MAT 77	Station/Trunk Name Assignment

1. FUNCTION:

This command is used to assign the name of each station and trunk route which is displayed on Multiline Terminal or ATTCON.

2. PRECAUTION:

This command is included in MAT mode menu “E7” (Name Display [COM02]).

3. ASSIGNMENT PROCEDURE:

ST + 77Y + DE + STATION NUMBER (1-4 digits) / TRUNK NAME NUMBER (2 digits) + DE + DATA (1-16 digits) + EXE

4. DATA TABLE:

Y		STATION No./ TRUNK NAME No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
0	Station Name Assignment with Character Code	X-XXXX: Station Number/ Primary Extension Number	20 ? 7F	Character Code (Max. 16 digits) Refer to Character Code Table on the next page.	CM08-255
1 (STA)	Station Name Assignment with character		X ? X X	Character (Max. 8 digits) Note 1	
2	Trunk Name Assignment with Character Code	00-14: Trunk Name No. assigned by CM35 YY = 03.	20 ? 7F	Character Code (Max. 8 digits) Refer to Character Code Table on the next page.	CM35 YY = 03 CM08-255
3 (TRK)	Trunk Name Assignment with character		X ? X X	Character (Max.4 digits) Note 1	

Note 1: The characters available for assigning are 0 – 9, A – Z for MAT/Multiline Terminal.

Note 2: Station Name assignment is also available in each Multiline Terminal or ATTCON by using the access code assigned with CM20-A10.

Note 3: Trunk names are assigned on a Trunk Route basis only.

COMMAND CODE

TITLE:

MAT

77

Station/Trunk Name Assignment

- Character Code Table

1ST 2ND	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	←

COMMAND CODE	TITLE: DESTINATION OF SPLIT CALL FORWARDING
78	

1. FUNCTION:

This command is used to assign the called number of Split Call Forwarding.

2. PRECAUTION:

None.

3. 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

4. DATA TABLE:

1ST DATA		2ND DATA		
DATA	MEANING	DATA	MEANING	DESTINATION
XXY	XX Y └── Block Number (0-7) └── Tenant Number (00-63)	X-XXX [] + YY. YY	Called Number (Max. 26 digits) Separate Mark Trunk Access Code (1-3 digits)	Outside Party
		X-XXXX	Station Number (1-4 digits)		Station

COMMAND CODE	TITLE:
81	TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS

4. DATA TABLE:

YY		TRUNK RESTRICTION		ASSIGNMENT DATA	
No.	MEANING	No.	MEANING	DATA	MEANING
01	Toll Restriction Pattern:01	1	Unrestricted (RCA)	0	Restricted
13	Number for each Class:13	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)		

COMMAND CODE	TITLE: MAXIMUM DIGITS ON C.O. CALLS
(MAT) 85	

1. 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.

2. PRECAUTION:

- (1) This command is included in MAT mode menu "B4" (Maximum number of digits [COM01]).
- (2) This command is effective when CM35 YY = 76 is assigned.

3. ASSIGNMENT PROCEDURE:

+ 85Y + + AREA/OFFICE CODE (1 - 8 digits) + + MAXIMUM NUMBER OF SENDING DIGITS (2 digits) +

4. DATA TABLE:

◀: Initial Data

Y		AREA/OFFICE CODE		MAXIMUM NUMBER OF SENDING DIGITS (MND)		
No.	MEANING					
0	Area Code	X	Area/Office Code, or its part	00	Not used	
?	Development	?		01	1 digit	
7	Pattern No. 0-7	X . . . X		02	2 digits	
	0-4: For TR	(Max. 8 digits)		?	?	
	5-7: For LCR			24	24 digits	Note 1
				?	?	
				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
	(See CM35 YY = 76; CM8A, A000)					
				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: AUTOMATIC PAUSE ENTRY TABLE
88	

1. FUNCTION:

This command is used to define the pause which is automatically provided with particular dialed digits on an outgoing call.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + 88Y + DE + BLOCK NUMBER (2 digits) + DE + DATA (1 - 7 digits) + EXE

4. DATA TABLE:

◀ : Initial Data

Y		BLOCK NUMBER	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
0	Designation of digits requiring automatic pause	XX: 00 - 04	X ? X . . . X (Max. 7 digits)	Dialed digits before automatic pause. (Exclusive of Access Code) X: 0-9, A(*), B(#)	
1	Provision of Automatic Pause		0 ? 3 ◀	Not provided Note To provide	
2	Timing of Automatic Pause		1 ? 2 3 ◀	Variable (Set by CM41 Y=0, Function No. 38) 1.5 sec. No pause	

Note: In this case, the caller is required to dial after confirming dial tone from a distant office.

COMMAND CODE	TITLE: LCR/TOLL RESTRICTION DEVELOPMENT TABLE
MAT 8A	

1. FUNCTION:

This command is used to define the development tables used for Least Cost Routing (LCR) and Toll Restriction (TR) features.

2. PRECAUTION:

This command is included in MAT mode menu "B5" (L.C.R. & T.R. - Develop - [COM01]) and "B6" (L.C.R. & T.R. Pattern [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 8AYYY + DE + 1ST DATA (1 - 8 digits) + DE + 2ND DATA (1 - 5 digits) + EXE

4. DATA TABLE:

4.1 Toll Restriction (Related CM35 YY = 11, 76)

◀: Initial Data

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
000 ? 063 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63	1 (No.)	TR(/LCR) Pattern for 6-digit Toll Restriction (LPN) _____ (RT No.) _____	00000 ? 255 00	XXX 00 (See YYY = 500 -755) TR Pattern No. 000 - 255)
100 ? 115 (TNP)	Tenant Pattern No. 0 ? Tenant Pattern No. 15	00 ? 63 (TN No.)	Tenant No. 0 ? Tenant No. 63	00 ? 63 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63 (YYY = 000 - 063)
200 ? 207 (RATDN)	Time Pattern No. 0 ? Time Pattern No. 7	0000 ? 2330 (Time)	XX XX | Minutes 00/30 | Hours 00 - 23	000 ? 063 (RATN) 100 ? 115 (TNP)	Route Pattern No. 0 ? Route Pattern No. 63 (YYY = 000 - 063) Tenant Pattern No. 0 ? Tenant Pattern No. 15 (YYY = 100 - 115)

COMMAND CODE		TITLE:			
(MAT) 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
◀ : Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
300	Date Pattern No. 0	0	Sunday	000	Route Pattern No. 0
∩	∩	1	Monday	∩	∩
303	Date Pattern No. 3	2	Tuesday	063	Route Pattern No. 63
(RATWN)		3	Wednesday	(RATN)	(YYY = 000 - 063)
		4	Thursday	100	Tenant Pattern No. 0
		5	Friday	∩	∩
		6	Saturday	115	Tenant Pattern No. 15
		(Week)		(TNP)	(YYY = 100 - 115)
		200	Time Pattern No. 0	200	Time Pattern No. 0
		∩	∩	∩	∩
		207	Time Pattern No. 7	(RATDN)	(YYY = 200 - 207)
400	Area Code Development	NXX	Area Code	000	Route Pattern No. 0
∩	∩	1NXX	(Max. 8 digits)	∩	∩
404	Pattern No. 0	X	N: 2-9	063	Route Pattern No. 63
(DCP)	Area Code Development Pattern No. 4	(X . . . X) (DC)	X: 0-9	(RATN)	(YYY = 000 - 063)
				100	Tenant Pattern No. 0
				∩	∩
				115	Tenant Pattern No. 15
				(TNP)	(YYY = 100 - 115)
				200	Time Pattern No. 0
				∩	∩
207	Time Pattern No. 7				
(RATDN)	(YYY = 200 - 207)				
300	Date Pattern No. 0			300	Date Pattern No. 0
∩	∩			∩	∩
303	Date Pattern No. 3			303	Date Pattern No. 3
(RATWN)	(YYY = 300 - 303)			(RATWN)	(YYY = 300 - 303)
400	Area Code Development			400	Area Code Development
∩	∩			∩	∩
407	Area Code Development			(DCP)	Area Code Development
(DCP)	Pattern No. 4				Pattern No. 4
900	Toll Restriction			900	Toll Restriction
∩	Pattern No. 0			∩	Pattern No. 0
915	∩			915	∩
(CP)	Toll Restriction			(CP)	Toll Restriction
	Pattern No. 15				Pattern No. 15
					See CM81

COMMAND CODE	TITLE: LCR/TOLL RESTRICTION DEVELOPMENT TABLE
(MAT) 8A	

◀ : Initial Data

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
500 ?	TR(/LCR) Pattern No. 000 ?	000 (CP)	Designation of Toll Re- striction Pattern No. specified by CM81	00 ? 15 ◀	Toll Restriction Pattern No. 00 ? Toll Restriction Pattern No. 15 (See CM81)
755 (LPN)	TR(/LCR) Pattern No. 255	020 (SAP)	Designation of 6-digit Toll Restriction Pattern No. (See YYY = 800-849)	00 ? 49 CCC ◀	6-digit Toll Restriction Pattern No. 00 ? 6-digit Toll Restriction Pattern No. 49 No 6-digit Toll Restriction (YYY = 800-849)
		021 ? 028 (RCA ? RCH)	6-digit Toll Restriction on Trunk Restriction Class 1-8	0 1 ◀	Available Not Available (To be desig- nated by 1st Data = 000)
800 ? 849 (SAP)	6-digit Toll Restriction No. 00 ? 6-digit Toll Restriction No. 49	XXX (Office Code)	Office Code (3 digits)	0 1 ◀ (RES)	Restricted Allowed

COMMAND CODE		TITLE:			
MAT 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
4.2 LCR					
◀: Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
000 ? 063 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63	0 (No.)	Designation of next table (Route Pattern No.)	00 ? 63 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63
		1 2 3 4 (No.)	1st 2nd 3rd 4th Order of Choice (LPN) ——— (RT No.) ———	0000 ? 25563	XXX XX Trunk Route No. 00 - 63 LCR/TR Pattern No. 000 - 255 (See YYY=500-755)
100 ? 115 (TNP)	Tenant Pattern No. 0 ? Tenant Pattern No. 15	00 ? 63 (TN No.)	Tenant No. 0 ? Tenant No. 63	00 ? 63 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63 (YYY = 000 - 063)
200 ? 207 (RATDN)	Time Pattern No. 0 ? Time Pattern No. 7	0000 ? 2330 (Time)	XX XX Minutes 00/30 Hours 00 - 23	000 ? 063 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63 (YYY = 000 - 063)
				100 ? 115 (TNP)	Tenant Pattern No. 0 ? Tenant Pattern No. 15 (YYY = 100 - 115)
300 ? 303 (RATWN)	Date Pattern No. 0 ? Date Pattern No. 3	0 1 2 3 4 5 6 (Week)	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	000 ? 063 (RATN)	Route Pattern No. 0 ? Route Pattern No. 63 (YYY = 000 - 063)
				100 ? 115 (TNP)	Tenant Pattern No. 0 ? Tenant Pattern No. 15 (YYY = 100 - 115)
				200 ? 207 (RATDN)	Time Pattern No. 0 ? Time Pattern No. 7 (YYY = 200 - 207)

COMMAND CODE		TITLE:			
MAT 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
◀: Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
400 ? 407 (DCP)	Area Code Development Pattern No. 0 ? Area Code Development Pattern No. 7	NXX	Area Code (Max. 8 digits) N: 2-9 X: 0-9	000	Route Pattern No. 0
		1NXX		? ?	
		(X)		063	Route Pattern No. 63
		(?)		(RATN)	(YYY = 000 - 063)
		(X . . . X)		100	Tenant Pattern No. 0
		(DC)		? ?	
				115	Tenant Pattern No. 15
				(TNP)	(YYY = 100 - 115)
				200	Time Pattern No. 0
				? ?	
	207	Time Pattern No. 7			
	(RATDN)	(YYY = 200 - 207)			
	300	Date Pattern No. 0			
	? ?				
	303	Date Pattern No. 3			
	(RATWN)	(YYY = 300 - 303)			
	400	Area Code Development			
	? ?	Pattern No. 0			
	407	Area Code Development			
	(DCP)	Pattern No. 4			
	X	Area Code			
	? ?	(Max. 5 digits)			
	X . . . X	800	Intra-Office Termination		
	(DC)	(IOFT)			
		801	1-digit Intra-Office Station		
		? ?			
		805	5-digits Intra-Office Station		
		(IOFT)			
410 (ACP)	Operator Call Code Development No.	X ? XXX	Area Code (Max. 3 digits) Note: <i>Data effective only for access code assigned with CM20-A26</i>	000 ? 063	Route Pattern No. 00 ? Route Pattern No. 63

COMMAND CODE		TITLE:			
MAT 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
◀ : Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
500 ? 755 (LPN)	LCR/TR Pattern No. 000 ? TR/(LCR) Pattern No. 255	000 (CP)	Designation of Toll Restriction Pattern No. specified by CM81	00 ? 15	Toll Restriction Pattern No. 00 ? Toll Restriction Pattern No. 15
		020 (SAP)	Designation of 6-digit Toll Restriction Pattern No. (See YYY = 800-849)	00 ? 49 CCC	6-digit Toll Restriction Pattern No. 00 ? 6-digit Toll Restriction Pattern No. 49 No 6-digit Toll Restriction
		021 (RCA) ? 028 (RCH)	6-digit Toll Restriction on Trunk Restriction Class 1-8	0 ? 1 ◀	Available Not Available (To be desig- nated by 1st Data=000)
		100 (ADCP)	Designation of Digit Addition Pattern No. (See YYY = 900-949)	00 ? 49 CCC	Digit Addition Pattern No. 00 ? Digit Addition Pattern No. 49 No digit addition
		150 (PFI=2) PFT (PFI=1)	Designation of Prefix code Pattern No. (See YYY=800-849)	00 ? 49 50 CCC ◀	6-digit Prefix Pattern No. 00 ? 6-digit Prefix Pattern No. 49 Prefix No Prefix
		151 (DELT=1)	Deletion of Area Code Note 1	0 1 ◀	To deleted Not to delete
		153 (DELT=3) (ND)	Number of digits to be deleted from Area Code assigned with YYY=405-407	00 01 ? 10 CCC	No digit deletion Leading 1-digit deletion ? Leading 10-digits deletion No digit deletion

COMMAND CODE		TITLE:			
MAT 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
◀: Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
500 ? 755 (LPN)	LCR/TR Pattern No. 000 ? LCR/TR Pattern No. 255	157	Kind of Called Party Number	01 02 03 04 05 06 07 NONE ◀	International National Network Local Not used Speed Dial For future use Not Sending
		158	Called Party Numbering Plan Identifier	01 02 03 04 05 06 07 08 09 15 NONE ◀	ISDN/Telephone Numbering Plan Not used Data Numbering Plan Telex Numbering Plan] Not used National Numbering Plan Private Numbering Plan For future use Not Sending
		159	Type of Network ID	00 07 NONE ◀	] Type of Network ID No. Not Sending
		160	Network ID Plan	00 15 NONE ◀	] Network ID Plan No. Not Sending
		161	Network ID Character	X XXX	X=0-9, A(*), B(#)
		162	Service/Feature	0 1 ◀	Feature Service

COMMAND CODE		TITLE:			
MAT 8A		LCR/TOLL RESTRICTION DEVELOPMENT TABLE			
◀: Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
500 ? 755 (LPN)	LCR/TR Pattern No. 000 ? LCR/TR Pattern No. 255	163	Binary Facility Coding Value	01 02 03 04 05 06 07 08 16 NONE ◀	(AT&T) SDN MEGACOM800 MEGACOM Not used Not used ACCUNET Not used INTERNATIONAL800 AT&T MULTIQUEST Not Sending
				01 02 03 04 05 NONE ◀	(Northern Telecom) Private INWATS OUTWATS Foreign Exchange (FX) Tie Trunk (TIE) Not Sending
		164	WATS Band Number	00 ? 09 NONE ◀	WATS Number Not Sending
800 ? 849 (SAP) (PFT)	6-digit TR/Prefix No. 00 ? 6-digit TR/Prefix No. 49	XXX	Office Code (3 digits)	0 1 ◀ (RES) (PX)	Restricted Allowed
900 ? 949 (ADCP)	Digit Addition Pattern No. 00 ? Digit Addition Pattern No. 49	0	Entry of digit code to be added.	X XX X ... X (DC)	Digits to be added (32 max.) X=0-9, A (*), B (#), C (Fixed Pause), D (Programmable Pause) See CM41, Y=0, Function 38
A00	Assignment of Area Development Pattern No. for LCR Group (See CM20-A26-A29)	0 1 2 3 (GRP No.)	LCR Group No. 0 LCR Group No. 1 LCR Group No. 2 LCR Group No. 3 Note 2	0 ? 7	Area Code Development Pattern No. 0 ? No. 7

Note 1: The last three digits of the Area Code are designated by YYY = 405-407. If the Area Code is "INXX", use the last four digits.

Note 2: LCR Group No. 3 should be assigned only when an area code that includes an LCR Group access code is developed.

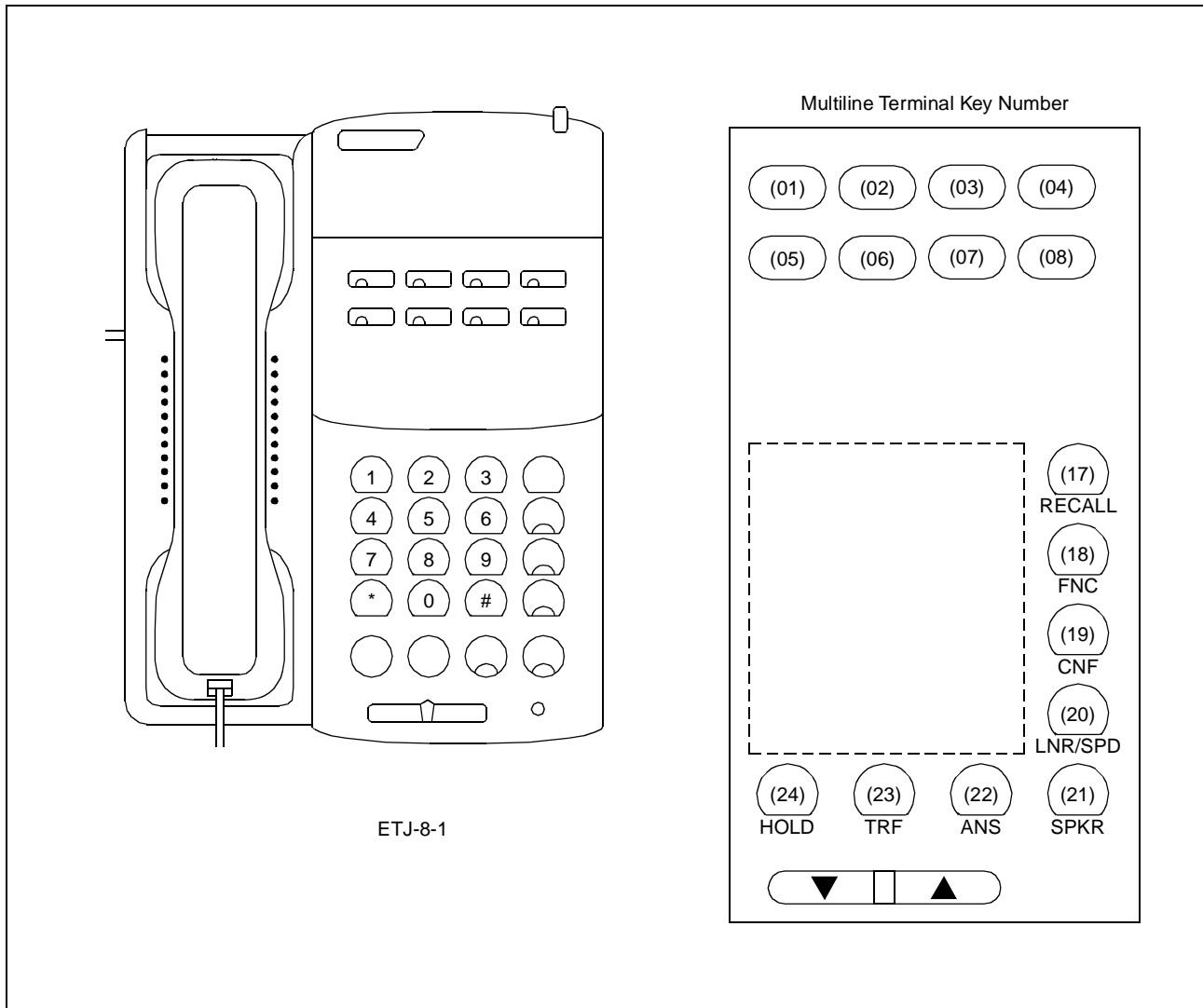
COMMAND CODE	TITLE:
MAT 90	MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
1. FUNCTION: This command assigns functions to programmable keys on a Multiline Terminal, an ATTCON, a DESK CON or an Add-On Module.	
2. PRECAUTION: <ol style="list-style-type: none">(1) "Primary Extension" must always be assigned to any key on each Multiline Terminal or Add-On Module (for ETJ-24DS-1).(2) For assignment of a key on an Add-On Module, assignment should be performed after data assignment of CM98.(3) This command is included in MAT mode menu "A2" (D^{term} Key [COM01], "C1" (SN610 ATT Key Pattern [COM02]) and "E8" (Add-On Module Keys [COM02]).(4) Twenty-five keys on the Add-on Module can be assigned as Station/Trunk Appearances.	

COMMAND CODE	TITLE:
MAT 90	MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

3. ASSIGNMENT PROCEDURE:

3.1 Multiline Terminal

ST + 90YY + DE + PRIMARY EXTENSION NUMBER (1-4 digits) + , + KEY NUMBER (01-24, 30-37) + DE + DATA (1-5 digits) + EXE



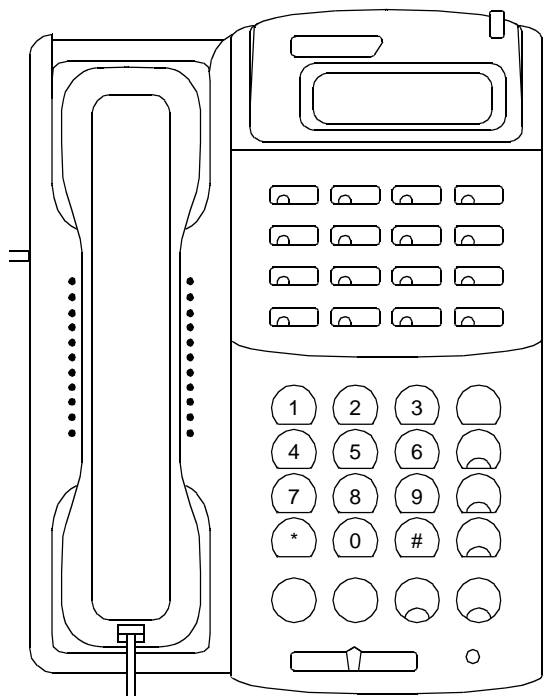
COMMAND CODE

TITLE:

MAT

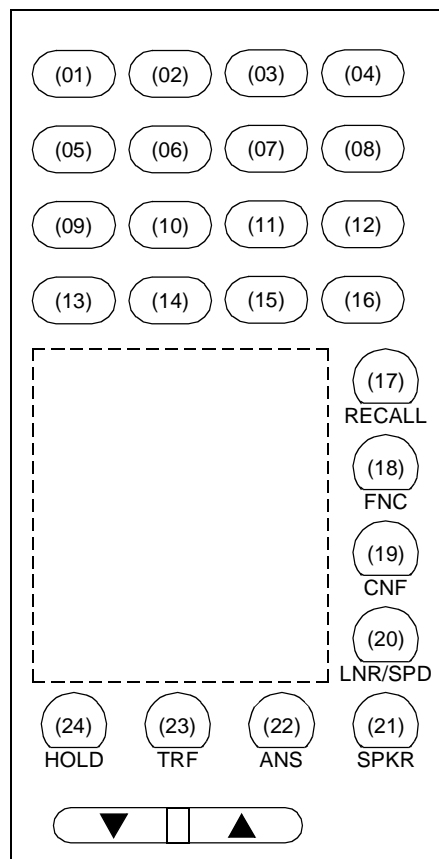
90

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT



ETJ-16DC-1

Multiline Terminal Key Number



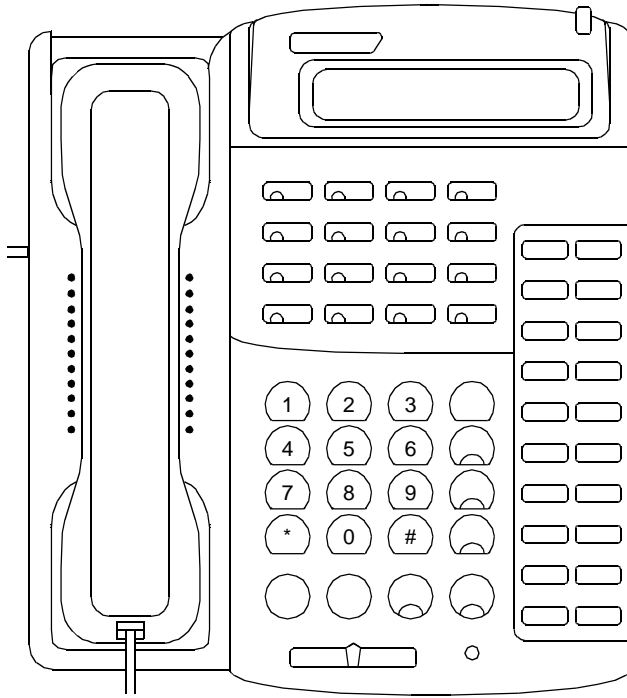
COMMAND CODE

MAT

90

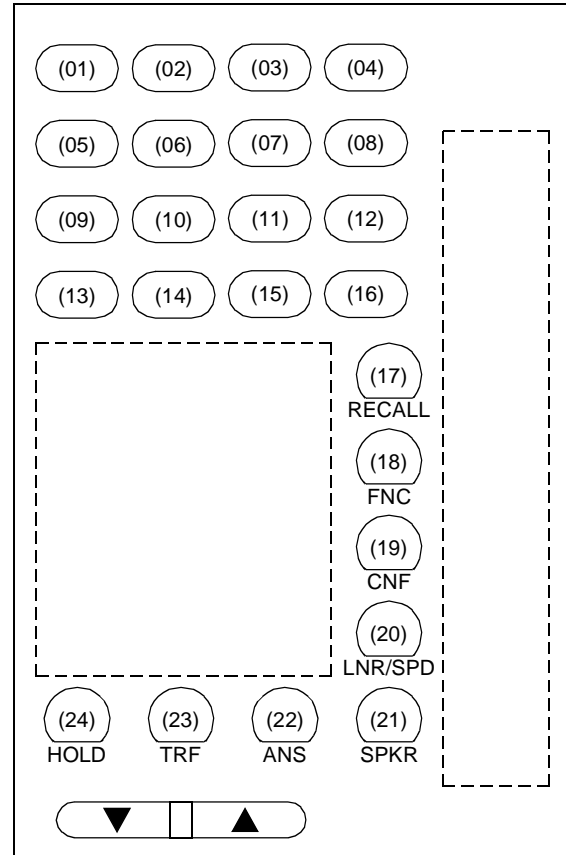
TITLE:

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT



ETJ-16DD-1

Multiline Terminal Key Number



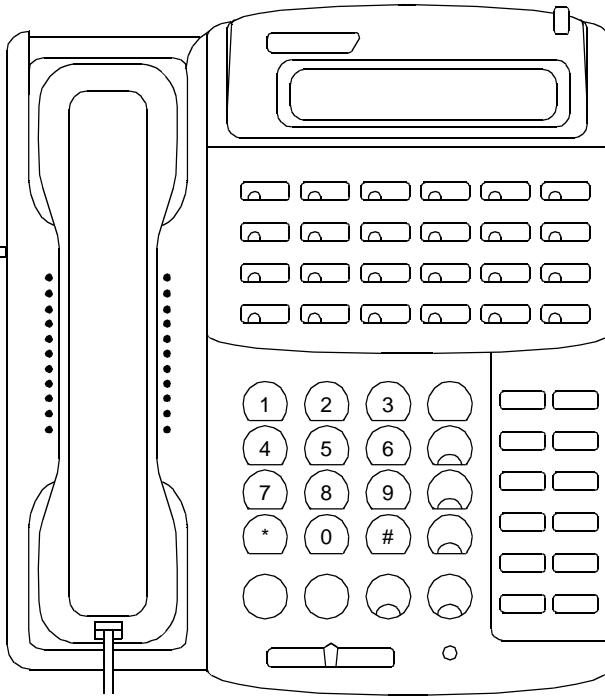
COMMAND CODE

TITLE:

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

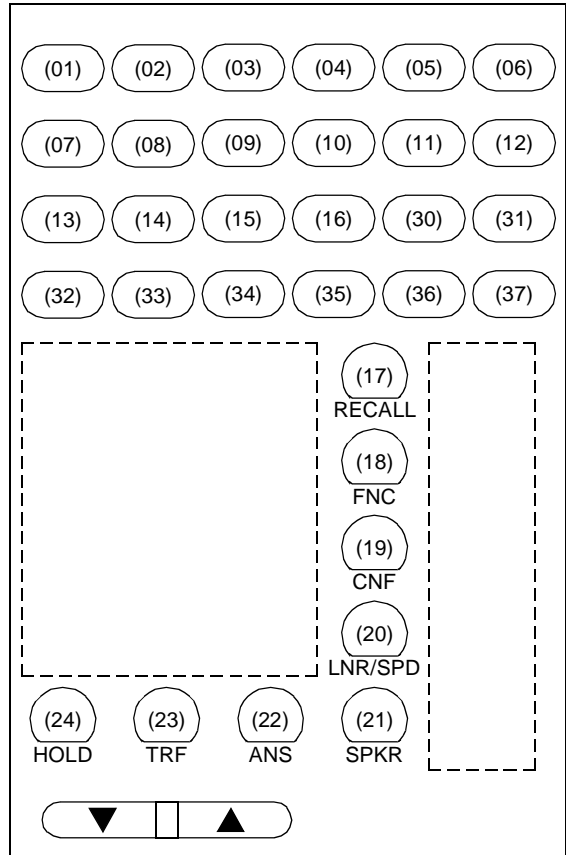
MAT

90



ETJ-24DS-1

Multiline Terminal Key Number



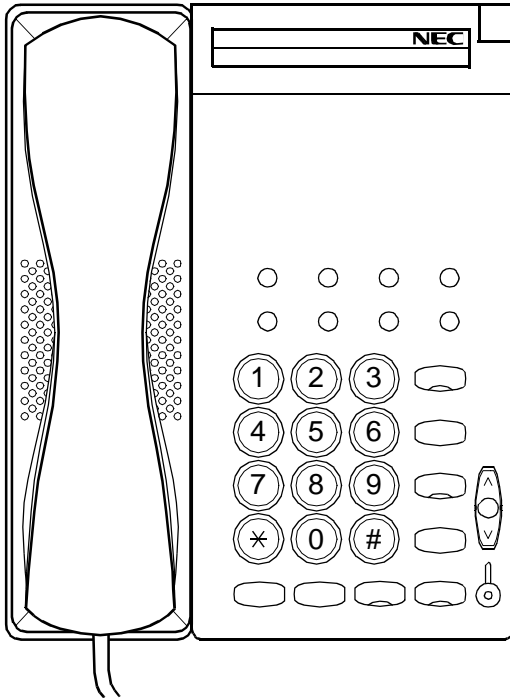
COMMAND CODE

TITLE:

MAT

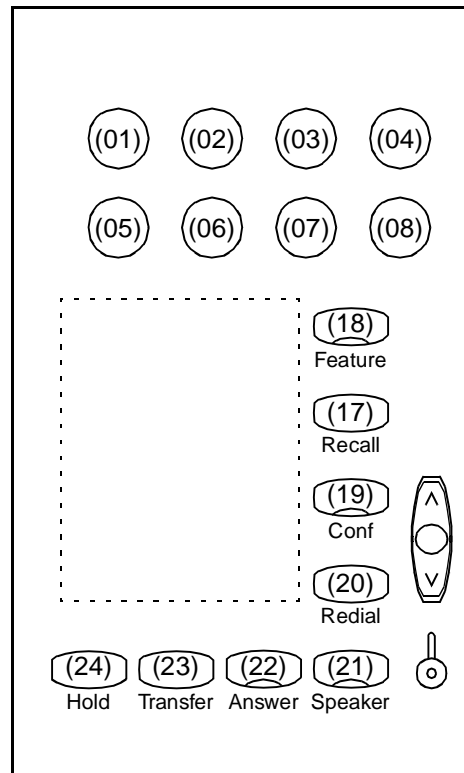
90

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT



DTP-8-1

Multiline Terminal Key Number



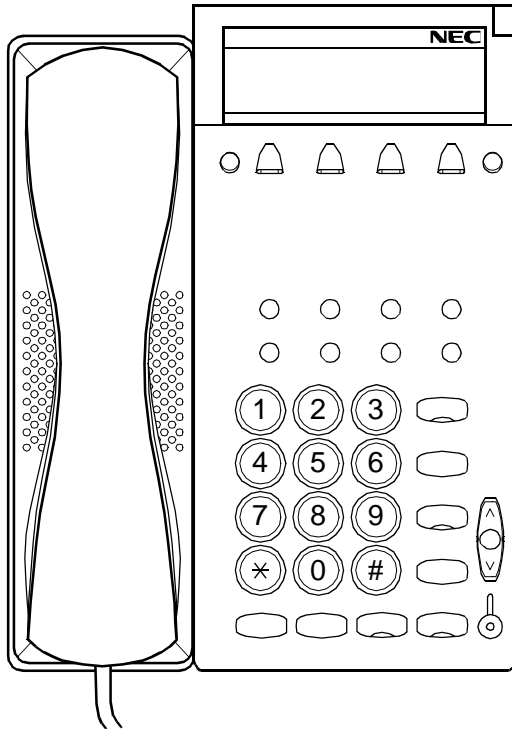
COMMAND CODE

MAT

90

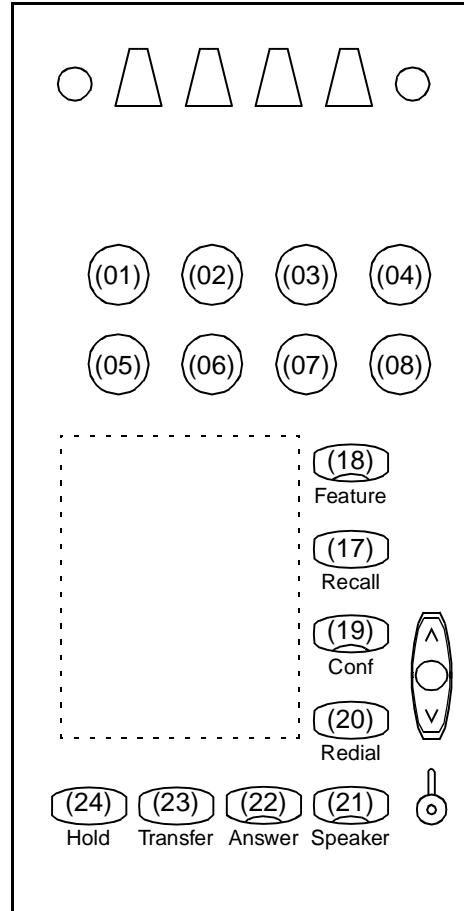
TITLE:

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT



DTP-8D-1

Multiline Terminal Key Number



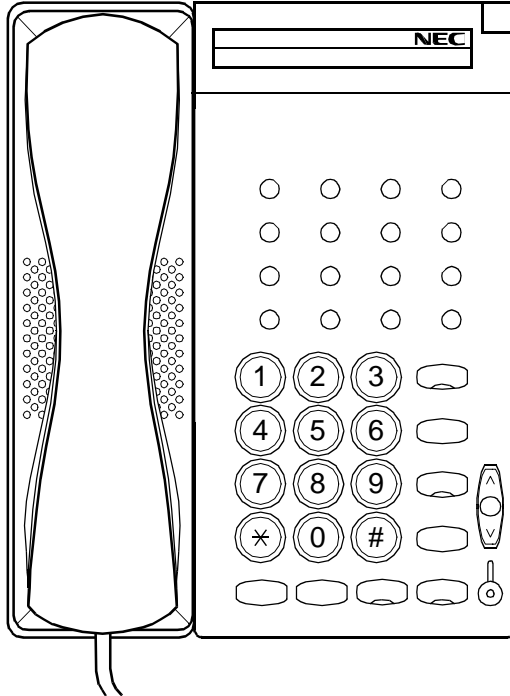
COMMAND CODE

TITLE:

MAT

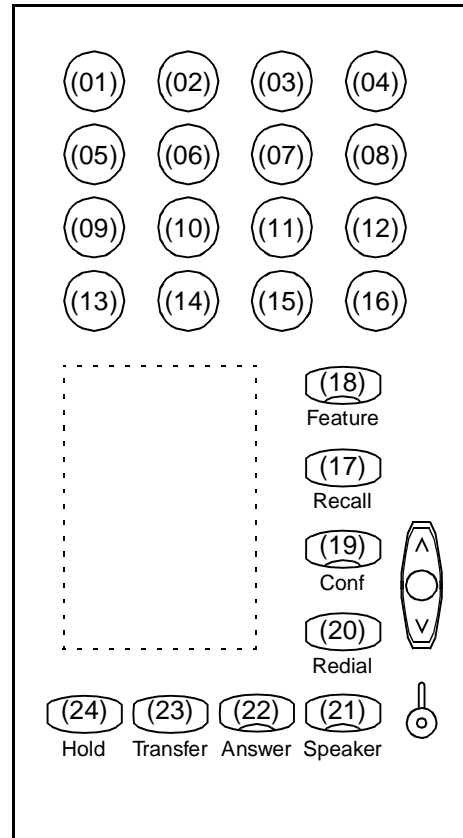
90

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT



DTP-16-1

Multiline Terminal Key Number



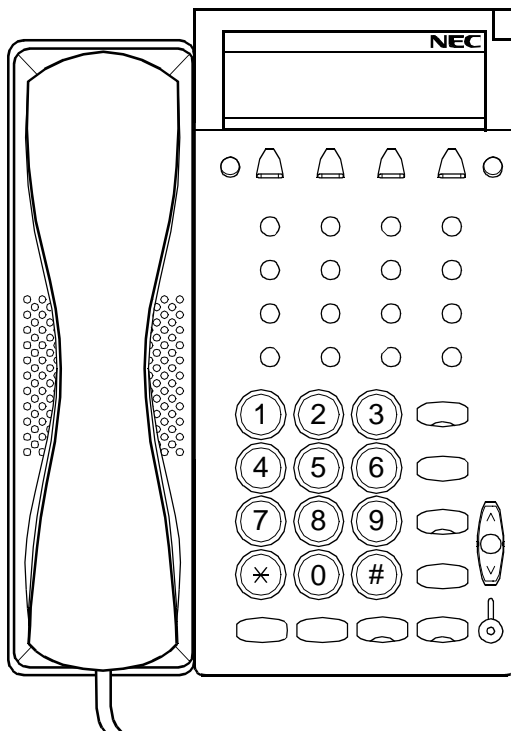
COMMAND CODE

TITLE:

MAT

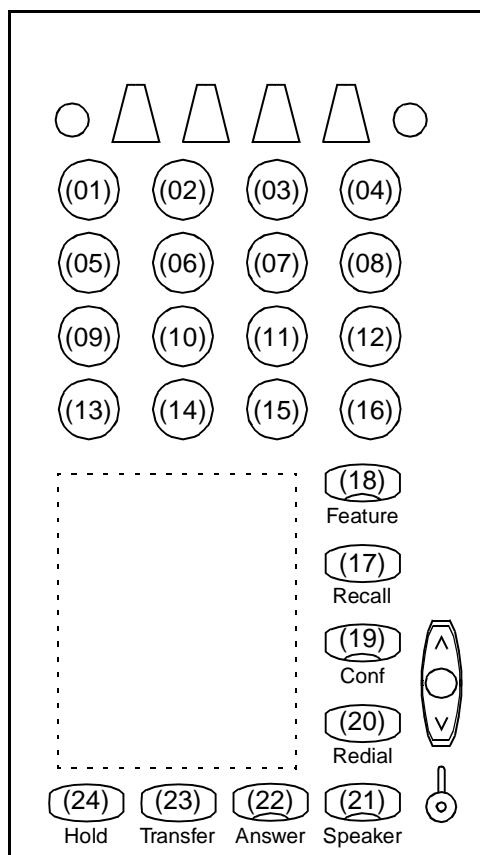
90

MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

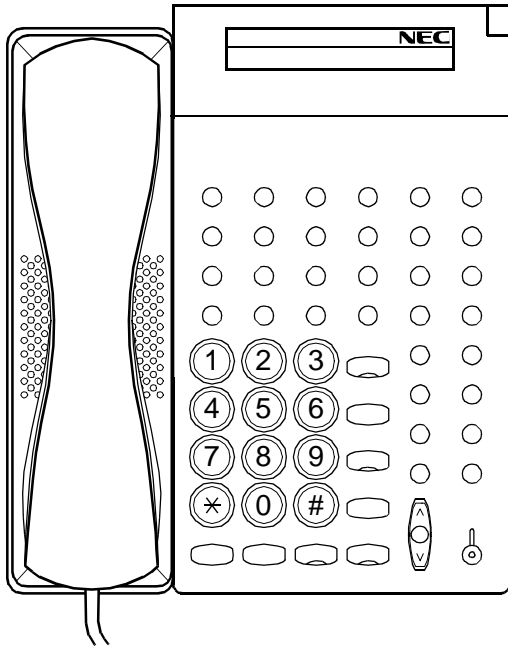


DTP-16D-1

Multiline Terminal Key Number

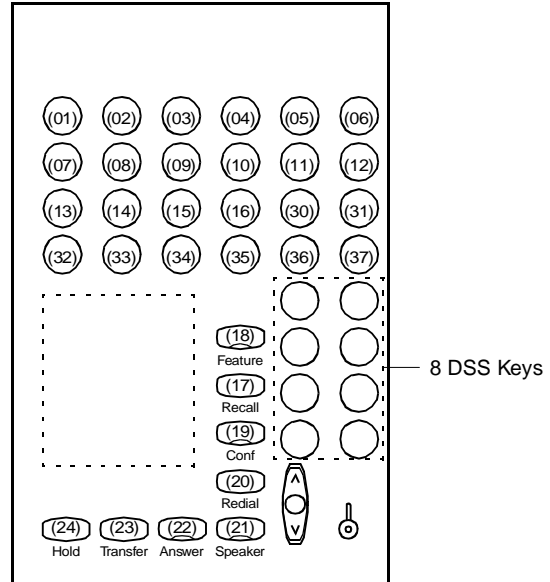


COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

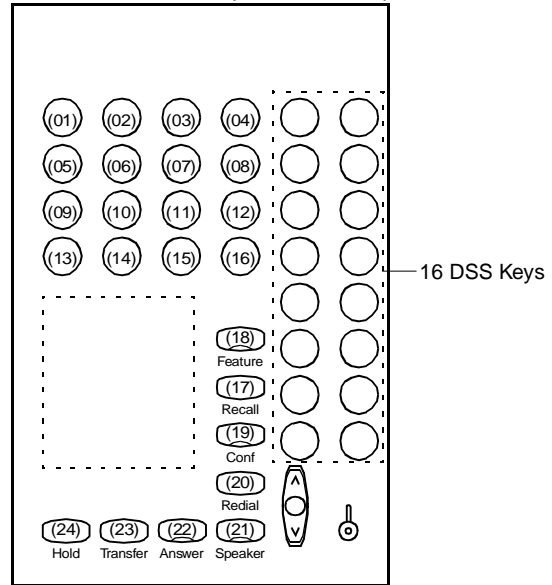


DTP-32-1

D^{term} Key Numbers
24 Line/Trunk/Feature Keys + 8 DSS Keys



D^{term} Key Numbers
16 Line/Trunk/Feature Keys + 16 DSS Keys



Note: The initial setting of key layout is for 16 Line/Trunk/Feature keys.

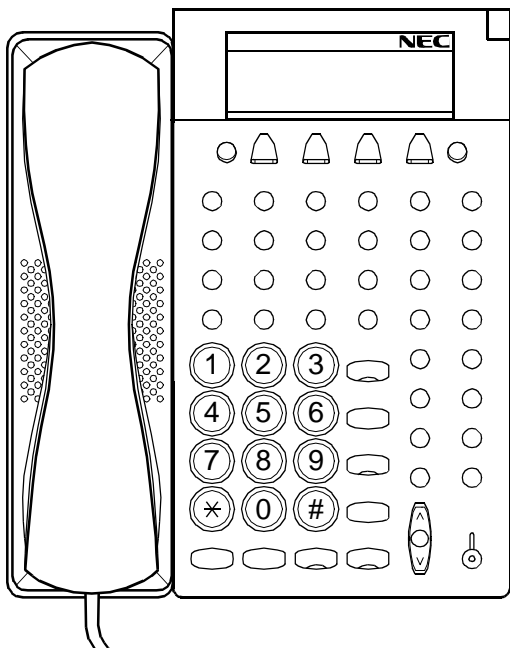
When using 24 Line/Trunk/Feature keys, the Add-on Module key assignment is required.

By CM10-ECXX, CM98, CM90 for key number 30 through 37, the key layout is changed for 24 Line/Trunk/Feature keys.

COMMAND CODE

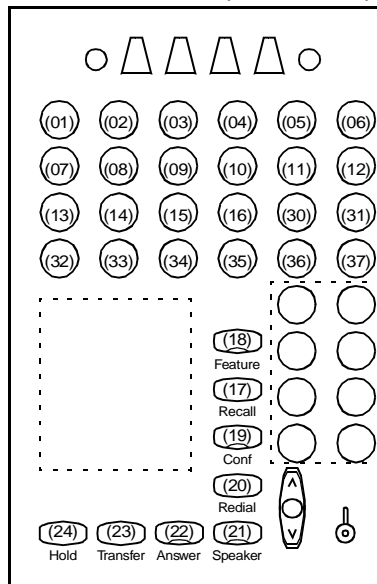
TITLE:
MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

MAT 90



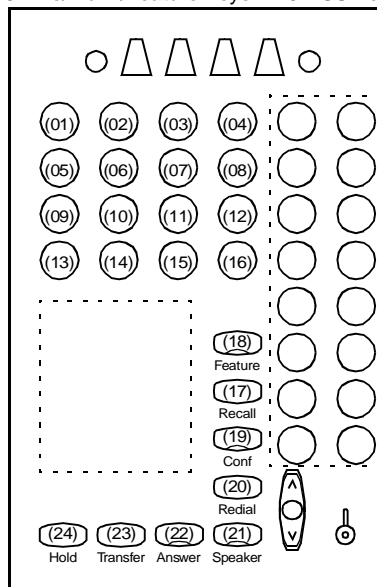
DTP-32D-1

D^{term} Key Numbers
24 Line/Trunk/Feature Keys + 8 DSS Keys



8 DSS Keys

D^{term} Key Numbers
16 Line/Trunk/Feature Keys + 16 DSS Keys



16 DSS Keys

Note: The initial setting of key layout is for 16 Line/Trunk/Feature keys.
When using 24 Line/Trunk/Feature keys, the Add-on Module key assignment is required.
By CM10-ECXX, CM98, CM90 for key number 30 through 37, the key layout is changed for 24 Line/Trunk/Feature keys.

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

3.2 SN610 ATTCON

(1) Call Selection/Function Key Assignment

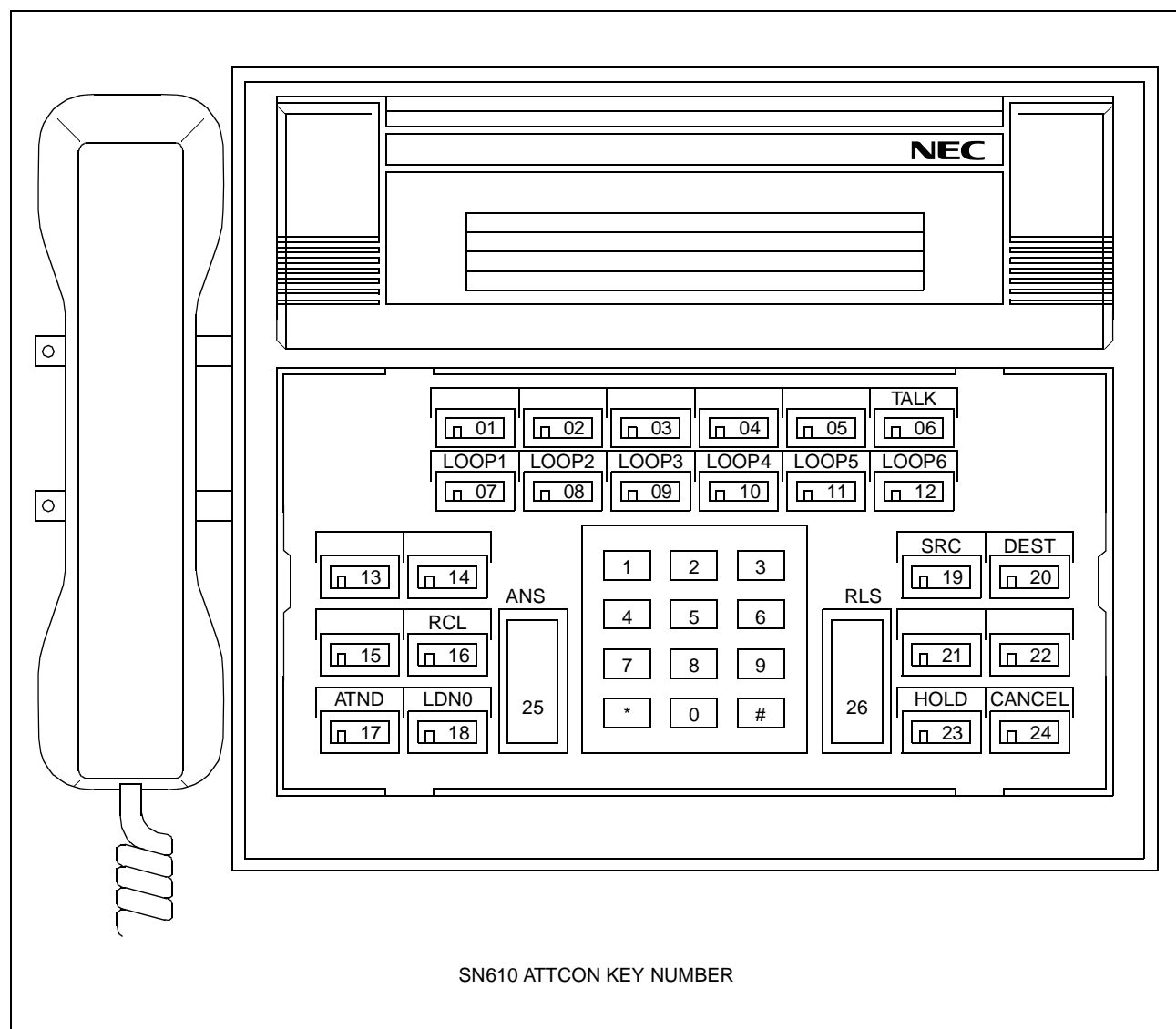
ST + 9000 + DE + ATTCON NUMBER (E000-E007) + . + ATTCON KEY NUMBER (01-24) + DE + SETTING DATA (5 digits) + EXE

(2) Multi-Function Key Assignment

ST + 9000 + DE + EXX X + . + MULTI-FUNCTION KEY NUMBER (01-06) + DE + SETTING DATA (5 digits) + EXE

- ATTCON No. (0-7)
- 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/Motel feature
- 05:]
- ∴] Not Used
- 15:]

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	



Note 1: CM00, 01 (Memory Clear) or the Resident System Program, automatically assign the functions of the keys.

Note 2: The ANS (answer) and RLS (Release) keys can only be assigned to key number 25 or 26 with CM60 YY=15.

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

3.3 SN716 DESKCON

(1) Call Selection/Function Key Assignment

[ST] + 9000 + [DE] + ATTCON NUMBER (E000-E007) + [.] + ATTCON KEY NUMBER (07-26) + [DE] + SETTING DATA (5 digits) + [EXE]

(2) Multi-Function Key Assignment

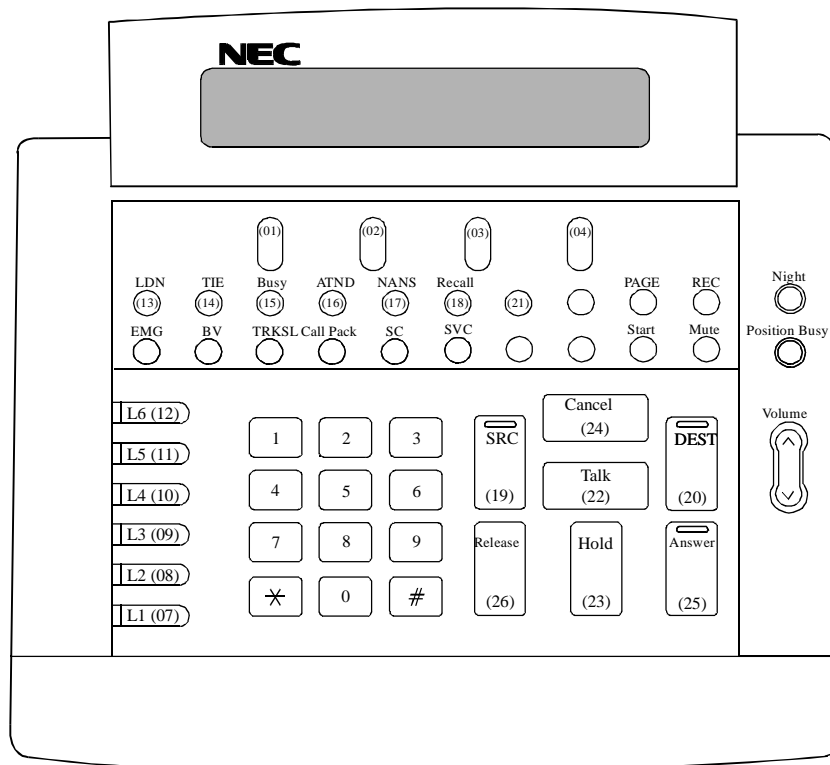
[ST] + 9000 + [DE] + EXX X + [.] + MULTI-FUNCTION KEY NUMBER (01-04) + [DE] + SETTING DATA (5 digits) + [EXE]

- ATTCON No. (0-7)
- 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/Motel feature
 - 05:]
 - :] Not Used
 - 15:]

COMMAND CODE

TITLE:
MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

MAT 90



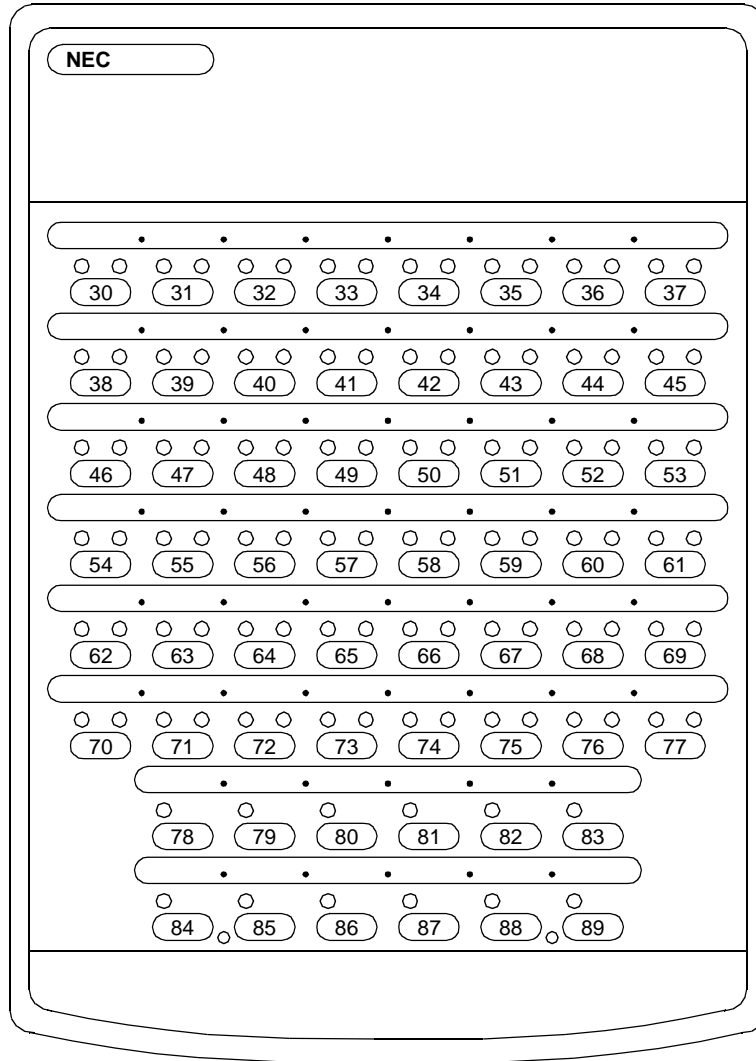
SN716 DESKCON KEY NUMBER

Note: CM00, 01 (memory clear) or the Resident System Program automatically assigns the key functions.

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCOM/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

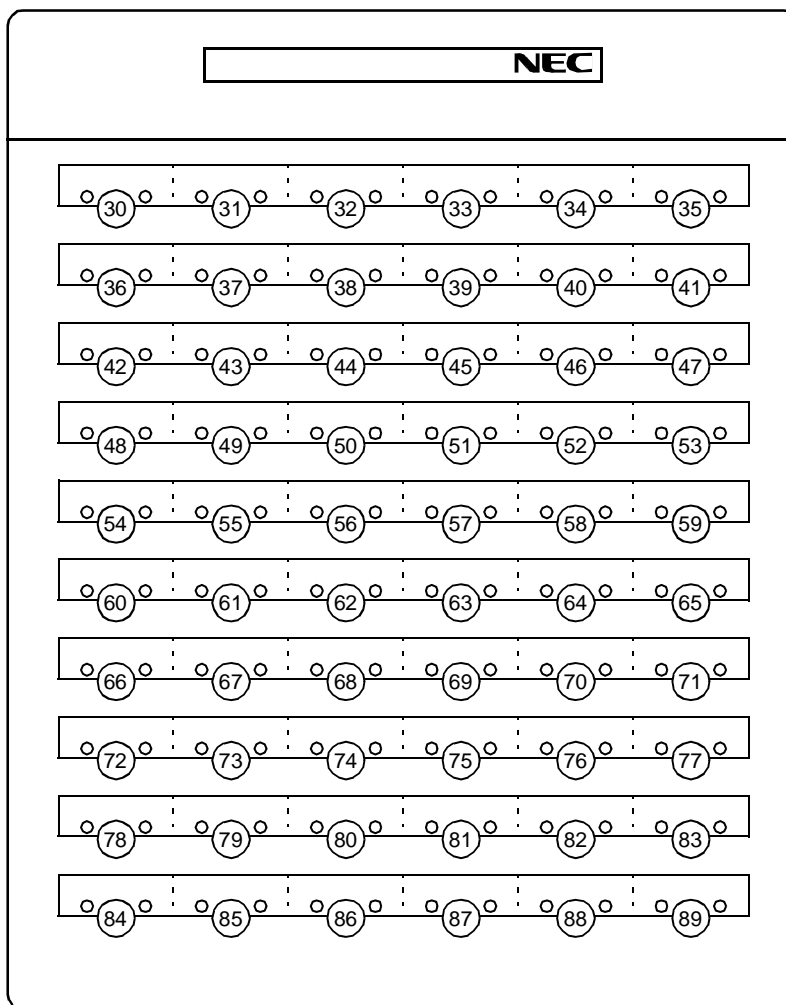
3.4 Add-On Module

ST + 90YY + **DE** +
 PRIMARY EXTENSION NUMBER (1-4 digits) + . + KEY NUMBER (30-89) + **DE** + DATA (1-5 digits) + **EXE**



Add-On Module Key Number (EDW-48-2)

<p>COMMAND CODE</p> <p>MAT 90</p>	<p>TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT</p>
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Add-On Module Key Number (DCU-60-1)

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

4. DATA TABLE:

4.1 Multiline Terminal

◀: Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Key Data)	Setting of Functions	X ∩ XXXX	Station Number • Primary Extension Number (FX-FXXXX) • Multiline Number (ordinary station) • Multiline Number (assigned by CM11) X=0-9, A(*), B(#)	CM10 CM11
		A000 ∩ A031 A100 ∩ A131	Automatic Intercom Number	CM11 CM12 YY = 03 CM56 YY = 10
		A200 ∩ A700 A201 ∩ A701 | A224 ∩ A724	Manual Intercom Number	CM11 CM12 YY = 03 CM56 YY = 11
		B000 ∩ B900 B001 ∩ B901 | B024 ∩ B924	Dial Intercom Number	CM11 CM12 YY = 03 CM56 YY = 12

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

◀: Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Key Data)	Setting of Functions	AA01 ⋮ AA05 AA11 ⋮ AA15 | AA71 ⋮ AA75	Loop Line Number for Multiline Terminal Attendant Position AAX XX ┌──┐ └──┐ Loop Line No. (1-5) └──┐ └──┐ Multiline Terminal Attendant Position No. (0-7)	CM11 CM15 YY = 71 CM12 YY = 03
		AB00 ⋮ AB99	ICI/OPR Line Number for Multiline Terminal Attendant Position Number	CM11 CM15 YY = 71 CM12 YY = 03
		CX ⋮ CXXXX	Virtual-Line Station No. for Off-Hook Voice Announcement	CM11
		DXXX	Trunk (XXX = 000 - 255)	CM10 CM30 YY = 02, 03, 18
		FOXXX	XXX 004: OG Queuing/Call Back (OQ/CB) 006: Executive Override (EROW) 010: Call Forwarding - All Calls Set/Cancel (FDA) 012: Call Forwarding - No Answer/Busy Line Set/Cancel (FDB/N) 014: Call Forwarding - Busy Line Set/Cancel (FDB) 016: Call Forwarding - No Answer Set/Cancel (FDN) 018: Call Forwarding - Destination Set (FDDS) 019: Call Forwarding - Destination Cancel (FDDC)	CM15 YY = 02, 03, 25 CM15 YY = 05 CM15 YY = 00, 26 CM15 YY = 10, 11, 28 CM15 YY = 11, 28 CM15 YY = 10 CM15 YY = 15

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

◀: Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Key Data)	Setting of Functions	F0XXX	XXX 020: Call Pickup-Group (PICK) 021: Call Pickup-Direct (DPICK) 022: Do Not Disturb (DND) 024: Automatic Wake Up/ Timed Reminder (WU) 027: Wake-Up Call set from predeter- mined Station (Single Wake-Up time operation) (SWU) 028: Wake-Up Call set from predeter- mined station (Multiple Wake-Up time Operation) (MWU) 033: Monitor Note 040: Message Waiting Lamp Set (MWS) 041: Message Waiting Lamp Reset (MWR) 043: Day Night Mode Change by Station Dialing (D/N) 044: ACD/UCD Busy out (UCDB) 046: Call Hold (CHLD) 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) 058: HOLD (HOLD) for Trunk Line Appearance 059: Trunk Answer	CM16 CM15 YY=14 CM15 YY=19 CM15 YY=13 CM15 YY=20 CM15 YY=21 CM08-259 CM15 YYY=103, 104 CM15 YY=24 CM08-244, 245 CM15 YY=60 CM17 CM15 YY=01 CM53

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 tone(s), 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.

COMMAND CODE		TITLE:		
MAT 90		MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT		
YY		SETTING DATA		◀: Initial Data
No.	MEANING	DATA	MEANING	RELATED COMMAND
00 (Key Data)	Setting of Functions	F1XXX	XXX 007: DTMF Additional Dial (Programmable) (PBPRG) 008: DTMF Additional Dial (Fixed Width) (PBIX) 009: Hooking Signal sent to outside (SHF) 010: ◀ HOLD (HOLD) 011: ◀ FNC 012: ◀ CNF (CNF) 013: Save & Repeat (2) (S&R2) 014: Save & Repeat (3) (S&R3) 015: ◀ RECALL (RECAL) 016: ◀ SPKR (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 15 064: Do not Disturb (HDND) 065: Room Cut Off (HRC) 066: Message Waiting (HMW) 067: Wake Up (HWU) 068: Check-In (CK-IN) 069: Room Status (RSTS) 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)	CM41 Function No. 14 CM35 YY=26 CM35 YY=16 CM15 YY= 01, 64 CM15 YY=07 For UCD Station CM17] CMD7 Y=0] For Hotel Console CM15 YY=62

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Key Data)	Setting of Functions	F1XXX	085: Voice Message Waiting Service- Individual Set when called station is no answer or busy 090: Headset/Handset Note: <i>Used to switch to headset or back to handset.</i> 091: Record 092: Paude 093: Re-record 094: End 095: Erase 096: Address 097: Urgent page 098: Voice Mail key 099: Calling Number/Calling Name Display for Caller ID Class	CM15 YYY=100, 102 For ADA-J, ADA-W, & D ^{term} E
		F11XX	XX 01: Station Speed Dialing 00 (SPD00) ? ? 99: Station Speed Dialing 99 (SPD99)	CM73 CM74 CM15 YY = 07
		F12XX	XX 01: Trunk Group 01 Busy Lamp (TGB01) ? ? 62: Trunk Group 62 Busy Lamp (TGB62) 70: Internal Zone Paging Group 0 (PG0) ? ? 77: Internal Zone Paging Group7 (PG7) 78: All Zone Internal Paging 80: ACD/UCD Group 0 Busy Lamp (UCD00) ? ? 95: ACD/UCD Group15 Busy Lamp (UCD15)	CM30 YY=09 CM56 CM15 YY = 49 CM08-158 CM56 YY = 00-05 CM15 YY = 49 CM17 Y = 2
		F13XX	XX 00: Day/Night Mode change by Tenant 00 ? ? 63: Day/Night Mode change by Tenant 63	CM08-244 CM08-245

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Key Data)	Setting of Functions	F20XX	XX 00: DATA (DATA) 01: AUTO/DISP (A/D) 02: DTX (DTX) 03: DISP (DISP) 04: AUTO (AUTO) 05: DATA DND (D DND)	CM1A CMA1 YY = 01 CMA1 YY = 01
		F3XXX	Call Park-Tenant XX X (CP001 - CP638) Serial Key Number (1 - 8) Group Number (00 - 63)	CM08-133
		F40XX	XX 00: TAS Answer on Tenant 00 (ANS00) 01: TAS Answer on Tenant 01 (ANS01) ◀ [ANS] ? ? 63: TAS Answer on Tenant 63 (ANS63) Note	CM30 YY=00, 02, 03 CM12 YY=04
		F41XX	XX 00: Pooled Line Number 00-Tenant 00/ Trunk Route 00 (POL00) ? ? 63: Pooled Line Number 63-Tenant 63/ Trunk Route 63 (POL63)	CM30 YY=00, 01, 02, 03
		F5000	Call Park-System (CPSY)	CM15 YY=96
		F5001	Transfer to VMS	
		F5010	Caller ID Display Key	
		F5011	Call Redirect for transferring to a station	CM51 YY=22
		F5012	Call Redirect for transferring to a VMS	CM51 YY=18
		F5013	Mute Key	

Note: By pressing [ANS] key, either the incoming call on a [TRUNK] [SUBLINE] [MYLINE] or TAS (designated tenant) can be answered. If the Automatic Hold Function (answering while talking with another party) is required for the [ANS] key, assign CM15 YY=72 to 0.

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

4.2 SN610 ATTCON / SN716 DESKCON

- ATTCON Incoming Call Identification Key

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00 (Key data)	Setting of Function	F6000 ? F6007	C.O. Incoming 0 (LDN0) ? C.O. Incoming 7 (LDN7)	LDN0		CM35 YY=15
		F6010 ? F6017	Call Termination from FX Line 0 (FX0) ? Call Termination from FX Line 7 (FX7)			CM35 YY=15
		F6020 ? F6027	Call Termination from WATS Line 0 (WATS0) ? Call Termination from WATS Line 7 (WATS7)			CM35 YY=15
		F6030 ? F6037	Call Termination from CCSA Line 0 (CCSA0) ? Call Termination from CCSA Line 7 (CCSA7)			CM35 YY=15
		F6040 ? F6047	Tie Line Incoming 0 (TIE0) ? Tie Line Incoming 7 (TIE7)			CM35 YY=15
		F6050 ? F6053	Special Operator Call 0 (SPA0) ? Special Operator Call 3 (SPA3)			CM20-090-093
		F6054	Priority Call 0 (PRI0)			CM15 YY=17 CM08-250, CM20-088
		F6055	Priority Call 1 (PRI1)			CM15 YY=18 CM08-251 CM20-089
		F6056	Emergency Call (EMGC)			CM20-094

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00 (Key data)	Setting of Function	F6060	Operator Call (ATND)	ATND		
		F6061	Recall (RCL)	RCL		
		F6062	Serial Call Termination (SRL)			CM90 – F6105
		F6063	Call Forwarding-No Answer (NANS)			CM51 YY = 00, 01
		F6064	Call Forwarding-Busy Line (BUSY)			CM51 YY = 03, 04
		F6065	Call Forwarding-Intercept (ICPT)			CM08-032, 119
		F6066	Off-Hook Alarm (EMG)			CM51 YY = 12
		F6067	Attendant Interposition Calling/Transfer (TF)			CM20 – 095

Note: Do not assign ATTCON Incoming Call Identification Key data (F60XX) to key numbers 1 to 6.

COMMAND CODE	TITLE:
MAT 90	MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

- ATTCON Function Keys

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND			
No.	MEANING								
00 (Key data)	Setting of Function	F6100	Room Cut Off (RC)	For Hotel ATTCON Note 1					
		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-F6062
		F6106	Flash over trunk (CAS) (SHF)						CM35 YY=16
		F6107	Busy Verification (BV)			CM08-012 CM15 YY=09			
		F6108	Do Not Disturb Override (DNDOV)	For Hotel ATTCON Note 2					
		F6109	Wake Up (WU)						
		F6110	Mode (MODE) Note 3			Day/Night mode change, ATT lockout			
		F6111	Programming (PROG)			System Speed Dialing Date and Time Tone Ringer Choice of Night Service			
		F6112	Out pulse (PB signal) short (SPB)				CM35 YY=26		
		F6113	Out pulse (PB signal) long (LPB)				CM41 Y=0 Function No. 14		

Note 1: Use the ANSWER key as the SET key for Hotel features.

Note 2: Do not assign this data to key numbers 1 to 6.

Note 3: For SN716 DESKCON, this data is not required.

COMMAND CODE		TITLE:					
MAT 90		MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT					
YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND	
No.	MEANING						
00 (Key data)	Setting of Function	F6121	Last umber Redial/Stack Dial				
		F6122	Calling Number/Calling Name Display for Caller ID Class				
		F6123	Transfer to VMS				
		F6144	Call Park-System			CM08-445	
		F6150	Paging 0			CM08-445	
		F6159	Paging 9				
		F6200	Source (SRC)	SRC			
		F6201	Destination (DEST)	DEST			
		F6202	Cancel (CNL)	CANCEL			
		F6203	Talk (TALK)	TALK			
		F6204	Hold (HOLD)	HOLD			
		F6205	Start (START)				
		F6240	Loop 1 (LOOP1)	LOOP 1			
		F6245	Loop 6 (LOOP6)	LOOP 6			
		F1201	Lamp indication when trunks are all busy in Trunk Group 01 (TGB01)			Max. 6 keys per ATTCON Note 1	CM30 YY=09
		F1262	Lamp indication when trunks are all busy in Trunk Group 62 (TGB62)				
		F7XXX	XX X └──┬── Circuit No. (0-3) assigned by CM44 └──┬── Card No. (00-31) assigned by CM44			Relay Control Function Key Note 2	CM44-XXX-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.

COMMAND CODE	TITLE:
MAT 90	MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT

- ATTCON Multi-Function Keys

YY No.	ATTCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS	RELATED COMMAND	
00	00 (Idle State)	Idle State	F6100	Room Cut Off (RCOF)			
			F6102	Do Not Disturb (DND)			
			F6104	Reset (RESET)			
			F6110	Mode (MODE)			
			F6111	Programming (PROG)	DISA, System Speed Dialing, Date and Time and Tone Ringer		
	01 (ANS & ORG)	When answering or originating	F6105	Serial Call Set (SC)			CM90-F6062
			F6106	Flash over trunk (CAS, Centrex) (SHF)			CM05 YY=16, 86 CM41 Y=2 Function No. 17
			F6112	Out pulse (PB signal) short (SPB)			CM35 YY=26
			F6113	Out pulse (PB signal) long (LPB)			CM41 Y=0 Function No. 14
			F6203	Talk (TALK)			
	02 (STA busy)	When the called station is busy	F6107	Busy Verification (BV)	Attendant Override	CM08-012 CM15 YY=09	
03 (STA DND)	When the called station is in DND	F6108	Do Not Disturb Override (DDOV)				

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

YY No.	ATTCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS	RELATED COMMAND
00	04 (Hotel/ Motel)	When accessing Hotel/Motel features	F6100	Room Cut Off (RCOF)	For Hotel/Motel ATTCON Note 1	
			F6101	Message Waiting (MW)		
			F6102	Do Not Disturb (DND)		
			F6104	Reset (RESET)		
			F6109	Wake Up (WU)		

Note 1: Use the ANSWER key as the SET key for Hotel/Motel features.

Note 2: Call Processing keys or Loop keys should not be assigned to the Multi-Function Key (01 – 06).

Note 3: When setting or cancelling a group of stations in DND/RC, use ATTCON status No. 00.

Note 4: See related command, CM60 YY = 17.

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCOM/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

Note 5: *If no data is set, the Multi-Function keys are automatically set by initial data/Resident System Program as follows:*

- Idle State

	PA	10:23 AM	TUE 12	
LOCKOUT/DAY				MODE: Mode PROG: Programming
MODE	PROG			
01	02	03	04	05 06

- When answering or originating

	252 ANN	CL1	10:23 AM	TUE 12	
LOCKOUT/DAY				SPB: Out Pulse Short LPB: Out Pulse Long SHF: Flash Over Trunk SC: Serial Call Set TALK: Talk	
SPB	LPB	SHF	SC	TALK	
01	02	03	04	05	06

- When the called station is busy

	252 ANN	CL1	10:23 AM	TUE 12	
LOCKOUT/DAY				B.V: Busy Verification	
BSY				B.V	
01	02	03	04	05	06

- When the called station is in DND

	252 ANN	CL1	10:23 AM	TUE 12	
LOCKOUT/DAY				DDOVR: Do not Disturb Override	
		W		DDOVR	
01	02	03	04	05	06

- When accessing Hotel/Motel feature

	252 ANN	CL1	10:23 AM	TUE 12	
LOCKOUT/DAY				RC: Room Cut Off MW: Message Waiting DD: Do not Disturb WU: Wake Up RESET: Reset	
RC	MW	DD	WU	RESET	
01	02	03	04	05	06

COMMAND CODE		TITLE: MULTILINE TERMINAL/SN610 ATTCON/ADD-ON MODULE KEY ASSIGNMENT
MAT	90	

4.3 Add-On Module

◀: Initial Data

YY		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00 (Key Data)	Setting of Functions	30	X	Station Number	CM10 CM11
		?	?	• Primary Extension Number (FX-FXXXX)	
		54	XXXX (STA No.)	• Multiline Number (Ordinary Station)	
				• Multiline Number (assigned by CM11)	
				X=0-9, A (*), B (#)	
		A000	Automatic Intercom Number	CM11 CM56 YY=10	
		?			
		A031			
		A100			
		?			
		A131			
		A200	Manual Intercom Number	CM11 CM56 YY=11	
		?			
		A700			
		A201			
		?			
		A701			
		A224			
		?			
		A724			
		B000	Dial Intercom Number	CM11 CM56 YY=12	
		?			
		B900			
		B001			
		?			
		B901			
		B024			
		?			
		B924			
		DXXX (TRK No.)	Trunk Number (XXX=000-255)	CM10 CM30 YY=18	

COMMAND CODE	TITLE: MULTILINE TERMINAL/SN610 ATTCN/ADD-ON MODULE KEY ASSIGNMENT
(MAT) 90	

◀: Initial Data

YY		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00 (Key Data)	Setting of Functions	30 ? 89	F11XX (SPD0099)	XX [00: Station Speed Dialing 00 ? ? 99: Station Speed Dialing 99	CM73 CM74
00	Setting of Functions	87 ? 89	F0043 (D/N)	Day/Night Key Note: Any one of key numbers 87 through 89 can be used for the Day/Night key.	
01 (RG)	Tone Ringer enabled on call termination	30 ? 54	0 1 ◀	Disabled Enable	
03	Ringer sending method when terminating a call to Line/Trunk key on the Multiline Terminal	30 ? 54	0 1 ◀	Delayed Ringing No delayed ringing Note: Delayed Ringing may be assigned to the first 16 Line/Trunk keys (Key Nos. 30 through 45).	CM41 Y=1 Function No. 09

COMMAND CODE	TITLE: PRIME LINE
(MAT) 93	

1. FUNCTION:

This command is used to assign the prime line to a station line or a trunk line on a Multiline Terminal. The prime line is the line seized when the Multiline Terminal user goes off-hook or presses the speaker button.

2. PRECAUTION:

- (1) Any one station line or trunk line provided on the Multiline Terminal can be assigned as Prime Line.
- (2) This command is included in MAT mode menu "A2" [D^{term} Key [COM01]].

3. ASSIGNMENT PROCEDURE:

$$\boxed{ST} + 93 + \boxed{DE} + \begin{matrix} \text{PRIMARY} \\ \text{EXTENSION} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{matrix} + \boxed{DE} + \begin{matrix} \text{STATION} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{matrix} / \begin{matrix} \text{TRUNK} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{matrix} + \boxed{EXE}$$

4. DATA TABLE:

MY LINE NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
X ? XXXX	X ? XXXX	Station Number/Virtual Line Number Note	CM10, CM11
	D000 ? D255	Trunk Number	CM30 YY = 02, 03, 18

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.

COMMAND CODE	TITLE: MULTILINE TERMINAL ONE-TOUCH MEMORY
(MAT) 94	

1. FUNCTION:

This command is used to assign memory for the storage of numbers accessed by the one-touch keys on a Multiline Terminal.

2. PRECAUTION:

This command is included in MAT mode menu “A2” (D^{term} Key [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 94 + DE + PRIMARY
EXTENSION
NUMBER
(1 – 4 digits) + DE + DATA (6 digits) + EXE

4. DATA TABLE:

MY LINE NUMBER	SETTING DATA																										
	DATA	MEANING																									
X } XXXX	XXXXXX	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 10%;">X</td> <td style="text-align: center; width: 10%;">XX</td> <td style="text-align: center; width: 10%;">X</td> <td style="text-align: center; width: 10%;">XX</td> <td style="width: 60%;"></td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="vertical-align: top;"> Quantity 10-Slot Memory Blocks (01/02) 01: Multiline Terminal (10 memories) 02: Multiline Terminal (20 memories) </td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="vertical-align: top;"> Facility for programming the dialed number from the station (0/1 = Effective/Ineffective) </td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="vertical-align: top;"> First 10-Slot Memory Block (00-99) </td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black;"></td> <td style="vertical-align: top;"> The 1000-slots memory Block number (0-4, 8-F) Note 1, Note 2 </td> </tr> </table>	X	XX	X	XX						Quantity 10-Slot Memory Blocks (01/02) 01: Multiline Terminal (10 memories) 02: Multiline Terminal (20 memories)					Facility for programming the dialed number from the station (0/1 = Effective/Ineffective)					First 10-Slot Memory Block (00-99)					The 1000-slots memory Block number (0-4, 8-F) Note 1, Note 2
X	XX	X	XX																								
				Quantity 10-Slot Memory Blocks (01/02) 01: Multiline Terminal (10 memories) 02: Multiline Terminal (20 memories)																							
				Facility for programming the dialed number from the station (0/1 = Effective/Ineffective)																							
				First 10-Slot Memory Block (00-99)																							
				The 1000-slots memory Block number (0-4, 8-F) Note 1, Note 2																							

Note 1: If “4” is selected, the first 10-Slot Memory Block number must be “00” through “49”.

Note 2: 1000-Slots Memory Block Number 8-F can be used when the system provides the Extension Memory card. If assigning the station number to One Touch keys using this memory area, the lamp does not show the busy state.

COMMAND CODE	TITLE:
MAT 96	DSS CONSOLE NUMBER

1. FUNCTION:

This command is used to assign a DSS Console to a station, Multiline Terminal or attendant console.

2. PRECAUTION:

This command is included in MAT mode menu "E3" (DSS Console No. & Keys [COM02]).

3. ASSIGNMENT PROCEDURE:

ST + 96 + DE + DSS CONSOLE
NUMBER
(2 digits) + DE + DATA
(1 - 4 digits) + EXE

4. DATA TABLE:

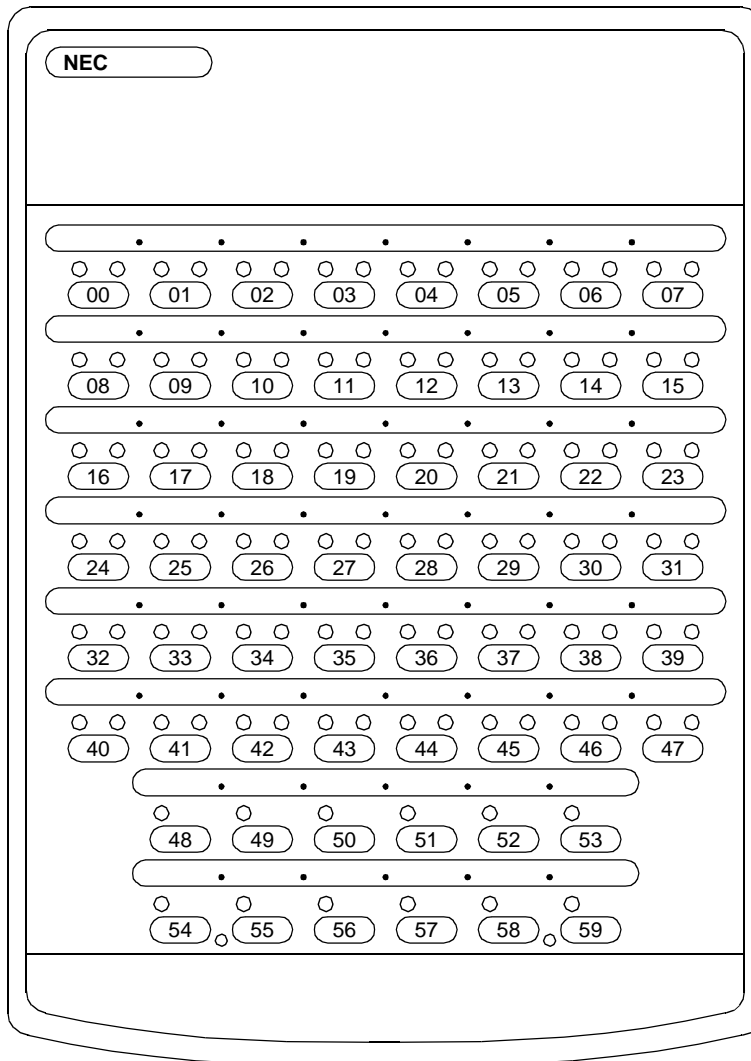
DSS CONSOLE NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
00 ? 31 (See CM10, E100-E131)	X ? XXXX	Single Line Telephone Station Number or Primary Extension Number of Multiline Terminal	CM10-E100-E131 CM97
	E000 ? E007	ATTCON	CM10-E000-E007 SN61x: CM10, E000-E007

<p>COMMAND CODE</p>	<p>TITLE:</p>
<p>MAT 97</p>	<p>DSS CONSOLE KEY ASSIGNMENT</p>
<p>1. FUNCTION:</p> <p>This command assigns the station numbers and trunk numbers to the keys on each DSS Console.</p>	
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu “E3” (DSS Console No. & Keys [COM02]).</p>	

COMMAND CODE	TITLE:
MAT 97	DSS CONSOLE KEY ASSIGNMENT

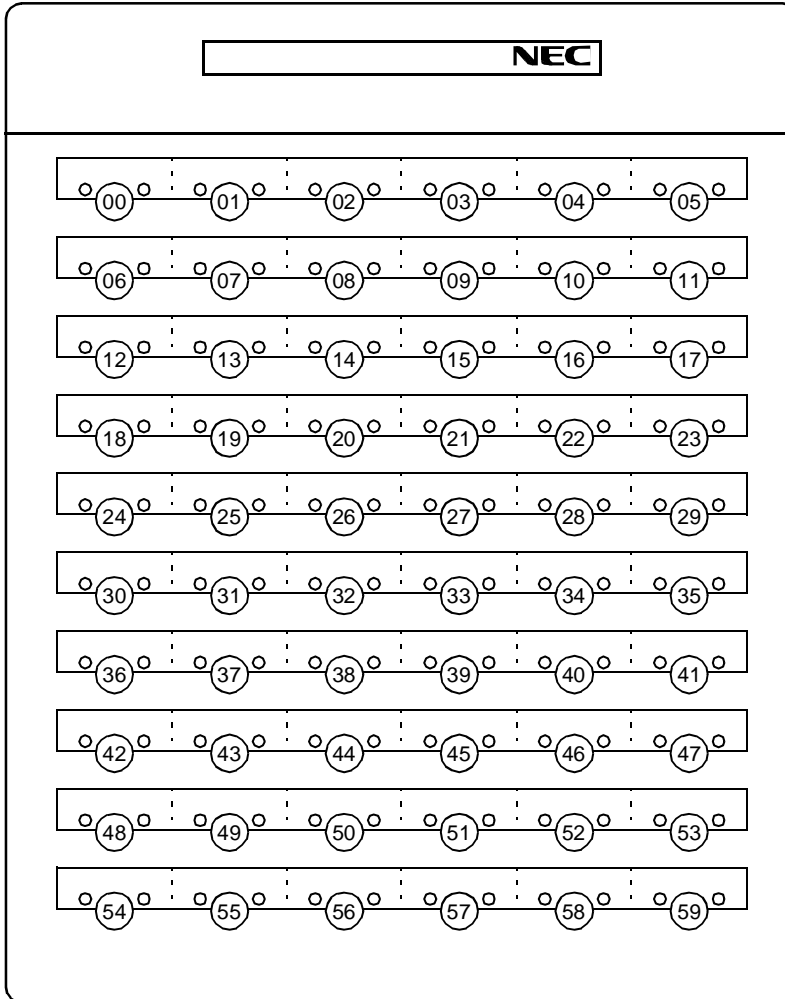
3. ASSIGNMENT PROCEDURE:

+ 97 + + **DSS CONSOLE NUMBER (2 digits)** + + **DSS KEY NUMBER (2 digits)** + + **DATA (1-5 digits)** +



DSS Console Key Numbers (EDW-48-2)

COMMAND CODE	TITLE:
MAT 97	DSS CONSOLE KEY ASSIGNMENT



DSS Console Key Numbers (DCU-60-1)

COMMAND CODE	TITLE: DSS CONSOLE KEY ASSIGNMENT
(MAT) 97	

4. DATA TABLE:

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND	
		DATA	MEANING		
00 ⋮ 31 (See CM10, E100-E131)	00	X	Station Number	CM10 CM11	
	⋮	⋮			
	59	XXXX			
			DXXX	Trunk Number (XXX = 000-255)	CM10 CM30 YY = 02, 03,19
			F13XX	XX 00: Day/Night Mode change by Tenant 00 ⋮ 63: Day/Night Mode change by Tenant 63	CM08-244 CM08-245
		56	F1052	Feature change key	
		57	F0043	Night key (NIGHT)	CM08-244, 245 CM15 YY = 60
		⋮			
		59	F1048	Room Cut-off-Set/Reset (RC OF)	
			F1049	Message Waiting-Set/Reset (MSG W)	
			F1051	Check-In/Out (CK-IN)	
			F1053	Do Not Disturb-Set/Reset (DND)	
			X ⋮ XXXX	Data Station Number	CM1A
		F1054	No Answer Indication for Wake Up Call		
		F1055	Function Button used for busy out display from ACD/UCD Group	CM08-265	

COMMAND CODE	TITLE:						
(MAT) 98	ADD-ON MODULE NUMBER						
<p>1. FUNCTION:</p> <p>This command is used to assign the Add-On Module to the Primary Extension Number of a Multiline Terminal.</p>							
<p>2. PRECAUTION:</p> <ul style="list-style-type: none"> (1) One Add-On Module Number can be assigned for each Primary Extension Number of a Multiline Terminal. (2) The Add-On Module Number and Primary Extension 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. (4) This command is included in MAT mode menu “E8” (Add On Module Keys [COM02]). 							
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 98\text{Y} + \boxed{\text{DE}} + \begin{array}{c} \text{ADD-ON MODULE} \\ \text{NUMBER} \\ (00-31) \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{PRIMARY} \\ \text{EXTENSION} \\ \text{NUMBER} \\ (1-4 \text{ digits}) \end{array} + \boxed{\text{EXE}}$							
<p>4. DATA TABLE:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 10%;">Y</th> <th style="width: 40%;">ADD-ON MODULE NUMBER</th> <th style="width: 50%;">PRIMARY EXTENSION NUMBER</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0 ? 31 (See CM10, EC0-EC31)</td> <td>X ? XXXX</td> </tr> </tbody> </table>		Y	ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER	0	0 ? 31 (See CM10, EC0-EC31)	X ? XXXX
Y	ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER					
0	0 ? 31 (See CM10, EC0-EC31)	X ? XXXX					

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT
<p>1. FUNCTION:</p> <p>This command assigns functions for the Soft Keys on a Multiline Terminal.</p>	
<p>2. PRECAUTION:</p> <p>None</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 9\text{AYY} + \boxed{\text{DE}} + \text{STATUS NUMBER} + \boxed{\text{DE}} + \begin{array}{c} \text{DATA} \\ (1-6 \text{ digits}) \end{array} + \boxed{\text{EXE}}$ $+ \begin{array}{c} \text{SOFT KEYS NUMBER} \\ (4 \text{ digits}) \end{array}$	

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

4. DATA TABLE:

YY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ∩ 03	Setting of Function for each Pattern Number (Pattern Number 0~3)	aabb	<p>aa bb</p> <p>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</p> <p>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 NEAX Mail AD-8 13-15: Not used</p>	F5002 XXXXX	Scroll key to change the Soft key indication Setting of each function (Same as F0XXX, F1XXX, F50XX of CM90) Also see following example.
10 ∩ 13	Setting of Characters Indicated for each Pattern Number (Pattern Number 0~3)			X-XXXXXX	Setting of Characters indicated (Max. 6 characters) Refer to Figure 2-1.

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

- Example of CM9A Data Assignment

1ST DATA of YY=03	STATUS	KEY No.	2ND DATA of YY=03	MEANING	INDICATION (YY=13)
0000	Idle	00	F1017	MIC ON/OFF	MIC
0100	During dialing (Holding no call)	00	F1001	Save & Repeat	S & R
0101		01	F0021	Call Pickup Direct	PICK
0103		03	F5002	Scroll key	>>>>
0104		04	F0012	Call Forwarding-All Calls Set/Cancel	FDA
0105		05	F0014	Call Forwarding-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
0600	When called party is busy (Holding no call)	00	F0004	Call Back Set	CB
0601		01	F0A25	Call Waiting Set	CW
0603		03	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	F0004	Outgoing Queuing	OG-Q
1000	During speaking (Holding no call)	00	F1017	MIC ON/OFF	MIC
1001		01	F0046	Call Hold	C HLD
1100	During speaking (Holding station/trunk)	00	F1017	MIC ON/OFF	MIC

CM9A

COMMAND CODE	TITLE: MULTILINE TERMINAL SOFT KEY ASSIGNMENT
9A	

- Example of CM9A Data Assignment (Continued)

1ST DATA of YY=03	STATUS	KEY No.	2ND DATA of YY=03	MEANING	INDICATION (YY=13)
1200	During live recording/af- ter live recording to NEAX Mail AD-8	00	F1096	Address	Addr
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	>>>>

Note 1: When the 2nd data of CM12 YY=23 is set to "3", the above default Soft Key pattern No. 3 is assigned.

Note 2: Pattern No. 3 is fixed. If Pattern No. 3 is changed, the only way to reset to default is to clear all data in the PBX and load the Resident System Program.

Note 3: Help key is only available in Pattern No. 3.

This page is for your notes.

COMMAND CODE	TITLE:																		
(MAT) A0	TYPE OF DATA ADAPTER																		
<p>1. FUNCTION:</p> <p>This command is used to specify the type of Data Adapter used for accommodating a Data Terminal to the data station.</p>																			
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu "E5" (Data Station Attribute [COM02]).</p>																			
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + A0 + DE + DATA STATION NUMBER (1-4 digits) + DE + DATA (2 digits) + EXE </p>																			
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2" style="width: 25%;">DATA STATION NUMBER (STA NO.)</th> <th colspan="2" style="width: 50%;">SETTING DATA (TYPE)</th> <th rowspan="2" style="width: 25%;">RELATED COMMAND</th> </tr> <tr> <th style="width: 15%;">DATA</th> <th style="width: 35%;">MEANING (TYPE OF DATA ADAPTER)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X ? XXXX</td> <td style="text-align: center;">02</td> <td>SN1152 DTAM – A Data Adapter</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">CMMA1 CM1A</td> </tr> <tr> <td></td> <td style="text-align: center;">04</td> <td>Data Port Controller (DPC)</td> </tr> <tr> <td></td> <td style="text-align: center;">15 ◀</td> <td>Not used</td> </tr> </tbody> </table>				DATA STATION NUMBER (STA NO.)	SETTING DATA (TYPE)		RELATED COMMAND	DATA	MEANING (TYPE OF DATA ADAPTER)	X ? XXXX	02	SN1152 DTAM – A Data Adapter	CMMA1 CM1A		04	Data Port Controller (DPC)		15 ◀	Not used
DATA STATION NUMBER (STA NO.)	SETTING DATA (TYPE)		RELATED COMMAND																
	DATA	MEANING (TYPE OF DATA ADAPTER)																	
X ? XXXX	02	SN1152 DTAM – A Data Adapter	CMMA1 CM1A																
	04	Data Port Controller (DPC)																	
	15 ◀	Not used																	

COMMAND CODE		TITLE:																									
MAT	A1	DATA TERMINAL ATTRIBUTE DATA																									
<p>1. FUNCTION:</p> <p>This command is used to define the attribute data (terminal characteristics data for data communications) of each data terminal.</p>																											
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu "E5" (Data Station Attribute [COM02]).</p>																											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text" value="ST"/> + A1YY + <input type="text" value="DE"/> + DATA STATION NUMBER (1-4 digits) + <input type="text" value="DE"/> + DATA (2 digits) + <input type="text" value="EXE"/> </p>																											
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1"> <thead> <tr> <th colspan="2">YY</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">RELATED COMMAND</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td rowspan="2">00 (ER)</td> <td rowspan="2">Detection of ER (DTR) signal from Data terminal</td> <td>0</td> <td>Not to be detected</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>To be detected</td> </tr> <tr> <td rowspan="2">01 (AUTO)</td> <td rowspan="2">Automatic answer</td> <td>0</td> <td>Automatic answer</td> <td rowspan="2"></td> </tr> <tr> <td>1 ◀</td> <td>Manual or Automatic (Selectable by <input type="text" value="AUTO"/> Key)</td> </tr> </tbody> </table>					YY		SETTING DATA		RELATED COMMAND	No.	MEANING	DATA	MEANING	00 (ER)	Detection of ER (DTR) signal from Data terminal	0	Not to be detected		1 ◀	To be detected	01 (AUTO)	Automatic answer	0	Automatic answer		1 ◀	Manual or Automatic (Selectable by <input type="text" value="AUTO"/> Key)
YY		SETTING DATA		RELATED COMMAND																							
No.	MEANING	DATA	MEANING																								
00 (ER)	Detection of ER (DTR) signal from Data terminal	0	Not to be detected																								
		1 ◀	To be detected																								
01 (AUTO)	Automatic answer	0	Automatic answer																								
		1 ◀	Manual or Automatic (Selectable by <input type="text" value="AUTO"/> Key)																								

COMMAND CODE		TITLE:		
(MAT) A1		DATA TERMINAL ATTRIBUTE DATA		
				◀ : Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04 (SPEED)	Data Speed	00	50 bps	Note: When using Data Port Controller (DPC), the 50 bps through 300 bps are converted to 1200 bps.
		01	75 bps	
		02	110 bps	
		03	150 bps	
		04	200 bps	
		05	300 bps	
		06	600 bps	
		07	1200 bps	
		08	2400 bps	
		09	4800 bps	
		10	9600 bps	
		11	19.2 Kbps	
		12	48 Kbps	
		13	56 Kbps	
		14	64 Kbps	
		15	7200 bps	
		16	14.4 Kbps	
		17-31 ◀	1200 bps	
05 (PRTY)	Parity Check	0	Effective	
		1 ◀	Ineffective	
06 (SYNC)	Synchronous/Asynchronous	0	Synchronous Transmission by Internal Clock (PBX Clock)	
		1	Synchronous Transmission by External Clock (PBX Clock)	
		2	Synchronous Transmission by External Clock (ST 1 Mode)	
		3	Synchronous Transmission by External Clock (ST2 Mode)	
		7 ◀	Asynchronous	
07 (HDX)	Duplex or half-duplex	0		
		1 ◀		
08 (STOP)	Stop Bit	0	2-Stop Bit	
		1 ◀	1-Stop Bit	

COMMAND CODE		TITLE:		
MAT A1		DATA TERMINAL ATTRIBUTE DATA		
				◀ : Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
09 (CHR)	Type of Code	00 01 02 03 04 05 06 07 15 ◀	ASCII (7-bit) + even parity ASCII (7-bit) + odd parity ASCII (7-bit) + parity (0) ASCII (7-bit) + parity (1) JIS (7-bit) + even parity JIS (7-bit) + odd parity JIS (8-bit) EBCDIC (8-bit) Non character (Binary Data)	
11 (HOTL)	Hot Line Data Station	0 1 ◀	Hot Line Data Station (Calling Side) Ordinary Data Station	CM52
12 (HOTC)	Hot Line connection	0 1 ◀	By "DATA" key or ER (DTR) sig- nal (ON) of the terminal By "DATA" key	CM52
13 (CI)	CI (RI) signal sent to terminal	0 1 2 3 ◀	2 sec ON, 4 sec OFF 1 sec ON, 2 sec OFF Continuous signal	
14 (CSTIM)	CS (CTS) delay timing after send- ing RS (RTS)	00 15 ◀	01: 0 ms 02: 30 ms 03: 60 ms 04: 120 ms 05: 240 ms 06: 360 ms 07: 720 ms 08: 1080 ms 15: 60 ms	
21	Rate Adaptation	00 04 15 ◀	PROTIMS V. 110 Not used	

COMMAND CODE	TITLE:			
A5	NAILED DOWN CONNECTION			
1. FUNCTION:				
This command is used to define a nailed-down connection, which provides a fixed connection between data stations, data station and DTI (Digital Trunk Interface) or DTIs.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{A5YY} + \boxed{\text{DE}} + \frac{\text{DATA STATION NUMBER (A)}}{(1 - 4 \text{ digits})} / \frac{\text{TRUNK NUMBER (A)}}{(1 - 4 \text{ digits})} + \boxed{\text{DE}} +$ $\frac{\text{DATA STATION NUMBER (B)}}{(1 - 4 \text{ digits})} / \frac{\text{TRUNK NUMBER (B)}}{(1 - 4 \text{ digits})} + \boxed{\text{EXE}}$				
4. DATA TABLE:				
YY		SETTING DATA DATA STATION NUMBER (A) / TRUNK NUMBER (A) + DATA STATION NUMBER (B) / TRUNK NUMBER (B)		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Memory Block 00	X	Data Station Number	CM1A
?	?	?		
99	Memory Block 99	XXXX		
		DXXX	Trunk Number assigned by CM07 YY = 01	CM07 YY = 01

COMMAND CODE		TITLE:		
MAT A6		ATTRIBUTE DATA FOR RS-232C PORT ON AP01		
1. FUNCTION: This command is used to assign the attribute data for the RS-232C port on the PN-AP01 card.				
2. PRECAUTION: None				
3. ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + \text{A6YY} + \boxed{\text{DE}} + 3 + \overset{\text{DATA}}{\text{(1 - 2 digits)}} + \boxed{\text{EXE}}$				
4. DATA TABLE:				
◀: Initial Data				
YY		SETTING DATA		RECOMMENDED SETTING
No.	MEANING	DATA	MEANING	
04	Data Transmission Speed of RS-232C Port	0	150 bps	5 (example)
		1	300 bps	
		2	600 bps	
		3	1200 bps	
		4	2400 bps	
		5	4800 bps	
05	Parity Check	0	Effective	1
		1 ◀	Ineffective	
06	Synchronous/Asynchronous	0	Synchronous Transmission by Internal	7
		3	Synchronous Transmission by External	
		7 ◀	Asynchronous	
07	Duplex or half-duplex	0	Half-duplex	1
		1 ◀	Duplex	

COMMAND CODE		TITLE:		
(MAT) A6		ATTRIBUTE DATA FOR RS-232C PORT ON AP01		
YY		SETTING DATA		RECOMMENDED SETTING
No.	MEANING	DATA	MEANING	
08	Stop Bit	0	2-Stop Bit	1
		1 ◀	1-Stop Bit	
09	Type of Code	00	ASCII (7-bit) + even parity	06
		01	ASCII (7-bit) + odd parity	
		02	ASCII (7-bit) + parity (0)	
		03	ASCII (7-bit) + parity (1)	
		04	JIS (7-bit) + even parity	
		05	JIS (7-bit) + odd parity	
		06	JIS (8-bit)	
		07	EBCDIC (8-bit)	
10	DCD Signal check at Data Transmission	0	Ineffective	0 (example)
		1 ◀	Effective	
11	RTS Signal Control	0	Ineffective (RTS Signal ON)	1 (example)
		1 ◀	Effective	
12	Designate of Signal for detecting line disconnection	0	DCD (with MODEM)	
		1 ◀	DSR (without MODEM)	
20	Designate of Facility	0) Not used	2
		1		
		2	OAI	
21	Priority	0	1st Priority	0
		1	2nd Priority	
		2	3rd Priority	
22	Message of Sub-Function	0	Not in use	

COMMAND CODE		TITLE: ATTRIBUTE DATA FOR RS-232C PORT ON AP01
MAT	A6	

◀ : Initial Data

YY		SETTING DATA		RECOMMENDED SETTING
No.	MEANING	DATA	MEANING	
24	Kind of procedure	1	Free Wheel	1
		3	} Not used	
		4		

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA		
1. FUNCTION:				
This command assigns the various data to each Common Channel Handler (CCH) provided.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{A7YY} + \boxed{\text{DE}} + \text{CCH No. (0-3)} + \boxed{\text{DE}} + \overset{\text{DATA}}{(1 - 5 \text{ digits})} + \boxed{\text{EXE}}$				
4. DATA TABLE:				
				◀: Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Assignment of the trunk used as the Common Signaling channel	000 ? 255	Trunk number assigned by CM07 YY = 01 / YY = 02	
01	Assignment of the Originating Point Code (OPC)	00001 ? 16367	Originating Point Code	
02	Assignment of the Destination Point Code (DPC)	00001 ? 16367	Destination Point Code	
03	Centralized Billing Facility	0	Distant End is a Centralized Office	
		1	Distant End is a Local Office	
		3 ◀	Not to be provided	
04	Assignment of Centralized Billing destination	00001 ? 16367	Point Code of Centralized Billing Office	

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA		
◀: Initial Data				
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
05	Assignment of the Centralized Fault Reporting destination	00001 ? 16367	Point Code of Centralized Fault Reporting office	
06	Assignment of the Originating Office Number	0 ? 9999	Originating Office Number	
10	Assignment of the ACM signal waiting timer after sending IAI signal when originating calls via CCIS. Note: Assign the primary digit number of the 5-digit station number to be displayed.	00 01 ? 14 15 ◀	0 sec. 2 sec. ? (Increment Unit : 2 sec.) 28 sec. 10 sec.	
26	Calling Name Display-CCIS Note: This data is effective when CM08-255 2nd data is 1 and CM08-379 2nd data is 0.	0 1 ◀	To be provided Not to be provided	CM08-255, 379
27	Specify the CCH for Event Based CCIS	0 1 ◀	CCH for Event Based CCIS CCH for nomal CCIS	
28	Assignment of calling Party information transferring service	0 1 ◀	To be provided Not to be provided	

COMMAND CODE	TITLE: CCIS ROUTING LABEL ASSIGNMENT
A8	

1. 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.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + A8 + DE + 1st DATA (5 digits) + DE + 2nd DATA (1 digit) + EXE

4. DATA TABLE:

◀: Initial Data

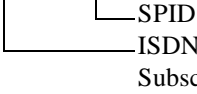
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
00001	Destination Point Code (DPC) sent from distant office	0	CCH0	CM06 YY= 07
?		?	?	
16367		3	CCH3	
Note				

Note: A maximum of 256 DPCs per system can be assigned.

COMMAND CODE		TITLE:															
MAT	A9	ISDN D-CHANNEL ASSIGNMENT															
		INITIAL															
<p>1. FUNCTION:</p> <p>This command is used to assign various data to each D-Channel Handler (DCH) for ISDN-Primary Rate Access.</p>																	
<p>2. PRECAUTION:</p> <p>This command requires a system reset after data setting.</p>																	
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> $\boxed{ST} + A9YY + \boxed{DE} + \text{DCH No. (0 - 3)} + \boxed{DE} + \begin{matrix} \text{2nd DATA} \\ \text{(3 digits)} \end{matrix} + \boxed{EXE}$ </p>																	
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">1ST DATA</th> <th colspan="2">2ND DATA</th> <th rowspan="2">RELATED COMMAND</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Assignment of trunk used as D-Channel</td> <td>000 ? 255</td> <td>Trunk Number assigned by CM07 YY = 01</td> <td>CM07 YY= 01</td> </tr> </tbody> </table>				1ST DATA		2ND DATA		RELATED COMMAND	No.	MEANING	DATA	MEANING	00	Assignment of trunk used as D-Channel	000 ? 255	Trunk Number assigned by CM07 YY = 01	CM07 YY= 01
1ST DATA		2ND DATA		RELATED COMMAND													
No.	MEANING	DATA	MEANING														
00	Assignment of trunk used as D-Channel	000 ? 255	Trunk Number assigned by CM07 YY = 01	CM07 YY= 01													

CMAA

COMMAND CODE		TITLE:																																														
AA		DTI/DCH/CIR CARD FUNCTIONS																																														
<p>1. FUNCTION:</p> <p>This command assigns functions to DTI, BRI and DCH card.</p>																																																
<p>2. PRECAUTION:</p> <p>None</p>																																																
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + AAYY + SLOT NUMBER (04-15) + DE + DATA (1-2 digits) + EXE </p>																																																
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YY		SETTING DATA		RELATED COMMAND																																												
No.	MEANING	DATA	MEANING																																													
00	Data Mode (for 24-DTI card)	0 1 ◀	Based on AT&T Specifications Not used																																													
01	Frame Configuration (for 24-DTI card)	0 1 ◀	12-Multi Frame (D4) 24-Multi Frame (ESF)																																													
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09	Idle Code on ISDN B Channels (DTI Reset)	0 1 ◀	Send 7F to PSTN Send FF to PSTN																																													

COMMAND CODE	TITLE:			INITIAL
AC	ISDN FUNCTIONS			
1. FUNCTION:				
This command assigns the functions to the ICH/BRI card.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{ST} + ACYY + \boxed{DE} + \begin{matrix} \text{ICH No.} \\ (00-11) \end{matrix} + \begin{matrix} \text{ISDN CIRCUIT No.} \\ (0-7) \end{matrix} + \boxed{DE} + \begin{matrix} \text{DATA} \\ (1-4 \text{ digits}) \end{matrix} + \boxed{EXE}$				
$\boxed{ST} + ACYY + \boxed{DE} + \begin{matrix} \text{AP No.} \\ (04-15) \end{matrix} + \begin{matrix} \text{BCH No.} \\ (0/1) \end{matrix} + \boxed{DE} + \begin{matrix} \text{ISDN} \\ \text{SUBSCRIBER'S No.} \\ (4 \text{ digits}) \end{matrix} + \begin{matrix} \text{SPID} \\ (4 \text{ digits}) \end{matrix} + \boxed{EXE}$				
4. DATA TABLE:				
				◀ : Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Assignment of the ISDN Circuit Station Number to be controlled	X ? XXXX	ISDN Circuit Station No.	
01	Assignment of the Layer 2 data link	0 1 ◀	Point to Point Connection Point to Multipoint Connection	
02	Assignment of the TEI (Terminal Endpoint Identifier)	0 1 ◀	Manual TEI Assignment Automatic TEI Assignment	
03	Assignment of Passive Bus in the point to multipoints connection	0 1 ◀	Extended Passive Bus Short Distance Passive Bus	
04	Assignment of the Layer 1 activation	0 1 ◀	Always active Activated by call event	
06	Checking of the TEI (Terminal Endpoint Identifier) when the Layer 2 data link is released	0 1 ◀	Not provided To provide	
10	NI-1 mode	0 1 ◀	To provide Not provided	
30	Assignment of SPID (Service Profile ID) for each BCH of BRI card	XX...XX (8 digits)	<u>XXXX XXXX</u> 	

CMAD

COMMAND CODE		TITLE:		
AD		ZT CALLING AREA/PAD DATA ASSIGNMENT		
1. FUNCTION:				
This command assigns the calling area and PAD data for each ZT.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{ST} + ADYY + \boxed{DE} + \text{ZT NUMBER (3 digits)} + \boxed{DE} + \text{SETTING DATA (2-5 digits)} + \boxed{EXE}$				
4. DATA TABLE:				
◀: Initial Data				
YY	MEANING	ZT No.	SETTING DATA	
			DATA	MEANING
00	Calling Area	000-255	XX X XX	Group ZT No. (00 – 31) Group No. (0 – 7) Calling Area No. (00 –31)
01	PAD Data (CSI-COT/ODT/DID)		PAD	Transmitter/Receiver PAD (dB) +: Gain -: Loss
08	PAD Data (CSI-DTI)		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			
15	0/0			
09	PAD Data (CSI-LC/DLC)	00-12	Same as YY = 01, 08	
10	PAD Data (CSI-CSI)	15	0/+6	
19	ZT Type	00	D ^{term} PS II Type	
		15	Former D ^{term} PS Type	

COMMAND CODE	TITLE:																																					
AE	ZT OPERATION DATA ASSIGNMENT																																					
<p>1. FUNCTION:</p> <p>This command is used for assigning the ZT Operation data.</p>																																						
<p>2. PRECAUTION:</p> <p>None</p>																																						
<p>3. ASSIGNMENT PROCEDURE:</p> <p>$\boxed{ST} + AEYY + \boxed{DE} + \begin{matrix} 1ST\ DATA \\ (2\ digits) \end{matrix} + \boxed{DE} + \begin{matrix} SETTING\ DATA \\ (2-10\ digits) \end{matrix} + \boxed{EXE}$</p>																																						
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YY	MEANING	1ST DATA		SETTING DATA																																		
		DATA	MEANING	DATA	MEANING																																	
00	Nation Code	03	Nation Code Assignment	003 004 005 006 007 008 009 255 ◀	North America 310 North America 311 North America 312 North America 313 North America 314 North America 315 North America 316 Not used																																	
	Home PBX ID	04	Assignment of Home PBX ID	X-XXXXXXX NONE ◀	Home PBX ID (1-7 digits, Decimal) Note 3																																	
10	ZT Operation Mode	00 – 31	Calling Area No.	15 ◀	Normal Mode																																	
15	Control Carrier Information	00	Control Carrier Priority Assignment	<u>XX XX XX</u> 00 00 a b c Note 1 Note 2 a : 1st Priority b : 2nd Priority c : 3rd Priority	Control Carrier No. 01 – 06 01 : 1920.35 MHz 02 : 1920.65 MHz 03 : 1920.95 MHz 04 : 1921.55 MHz 05 : 1921.85 MHz 06 : 1922.15 MHz																																	

COMMAND CODE	TITLE: ZT OPERATION DATA ASSIGNMENT
AE	

◀: Initial Data

YY	MEANING	1ST DATA		SETTING DATA	
		DATA	MEANING	DATA	MEANING
42	Network ID (for Roaming Service) INITIAL	00	Network ID Assignment	00000-65534 NONE ◀	Network ID

COMMAND CODE		TITLE:																																													
(MAT) AF		VISITOR PS DATA ASSIGNMENT																																													
<p>1. FUNCTION:</p> <p>This command assigns the Visitor PS data.</p>																																															
<p>2. PRECAUTION:</p> <p>This data setting is valid when DBM (AP00) card is online.</p>																																															
<p>3. ASSIGNMENT PROCEDURE:</p> <p>[ST] + AFYYY + [DE] + 1ST DATA (1-7 digits) + [DE] + 2ND DATA (1-5 digits) + [EXE]</p>																																															
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1"> <thead> <tr> <th colspan="2">YYY</th> <th colspan="2">1ST DATA</th> <th colspan="2">2ND DATA</th> </tr> <tr> <th>No.</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>000</td> <td>Assignment of Home PBX ID for Visitor PS</td> <td>X-XXXXXXX</td> <td>Home PBX ID (1-7 digits, Decimal)</td> <td>000-255 CCC NONE ◀</td> <td>Data Table No. 000-255 Data clear No data</td> </tr> <tr> <td>001</td> <td>Route Selection Pattern Assignment for Visitor PS</td> <td>000-255</td> <td>Data Table No. Assigned by CMAF YYY=000</td> <td>00-07 CCC NONE ◀</td> <td>Route Selection Pattern No. 00-07 Data clear No data</td> </tr> <tr> <td>002</td> <td>Trunk Restriction Class in Day, Night Mode for Visitor PS</td> <td>000-255</td> <td>Data Table No. Assigned by CMAF YYY=000</td> <td>01 02 03 04 05 06 07 08 NONE ◀</td> <td>Unrestricted (RCA) Nonrestricted 1 (RCB) Nonrestricted 2 (RCC) Semirestricted 1 (RCD) Semirestricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully Restricted (RCH) Not used</td> </tr> <tr> <td>100 ? 107</td> <td>Trunk Route Selection for location registration of Visitor PS</td> <td>1 ? 4</td> <td>First Selected Route ? Fourth Selected Route</td> <td>00-63 CCC NONE ◀</td> <td>Q-931a D Channel Trunk Route No. Data clear No data</td> </tr> <tr> <td>200</td> <td>Trunk Route for originating/terminating calls from/to Visitor PS</td> <td>1</td> <td>First Selected Route</td> <td>00-63 NONE ◀</td> <td>Trunk Route No. 00-63 No data</td> </tr> </tbody> </table>						YYY		1ST DATA		2ND DATA		No.	MEANING	DATA	MEANING	DATA	MEANING	000	Assignment of Home PBX ID for Visitor PS	X-XXXXXXX	Home PBX ID (1-7 digits, Decimal)	000-255 CCC NONE ◀	Data Table No. 000-255 Data clear No data	001	Route Selection Pattern Assignment for Visitor PS	000-255	Data Table No. Assigned by CMAF YYY=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	000-255	Data Table No. Assigned by CMAF YYY=000	01 02 03 04 05 06 07 08 NONE ◀	Unrestricted (RCA) Nonrestricted 1 (RCB) Nonrestricted 2 (RCC) Semirestricted 1 (RCD) Semirestricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully Restricted (RCH) Not used	100 ? 107	Trunk Route Selection for location registration of Visitor PS	1 ? 4	First Selected Route ? Fourth Selected Route	00-63 CCC NONE ◀	Q-931a D Channel Trunk Route No. Data clear No data	200	Trunk Route for originating/terminating calls from/to Visitor PS	1	First Selected Route	00-63 NONE ◀	Trunk Route No. 00-63 No data
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COMMAND CODE		TITLE:			
MAT AF		VISITOR PS DATA ASSIGNMENT			
◀ : Initial Data					
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
208	Route Selection Pattern Number for the Trunk Restriction Class sent from the Home PBX	00 ? 15	Trunk Restriction Class sent from Home PBX 01: Unrestricted (RCA) 02: Nonrestricted 1 (RCB) 03: Nonrestricted 2 (RCC) 04: Semirestricted 1/2 (RCD/RCE) 05: Restricted 1/2 (RCF/RCG) 06: Fully restricted (RCH) 07-15 Not used	00	Route Selection Pattern 00
210	Roaming Station Number	00		X-XXXX	Roaming Station No.
998	Work Memory All Clear of DBM Card	1	All Clear	CCC	Data clear
999	System Data Memory All Clear of DBM Card	1	All Clear	CCC	Data clear

This page is for your notes.

COMMAND CODE	TITLE:
MAT B0	PEG COUNT
<p>1. 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>2. PRECAUTION:</p> <p>(1) When the system is reset, the contents in the memories of the PEG counter are all cleared.</p> <p>(2) This command is included in MAT mode menu “D1” (Peg Count [COM03]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p>Y=0</p> <ul style="list-style-type: none"> To clear individual data $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \begin{array}{l} \text{TRUNK STATUS DATA} \\ (3 \text{ digits}) \end{array} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ <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 $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \begin{array}{l} \text{TRUNK STATUS DATA} \\ (3 \text{ digits}) \end{array} + \boxed{\text{DE}}$ <p>Y=2</p> <ul style="list-style-type: none"> To set the PEG COUNT measurement start/end time $\boxed{\text{ST}} + \text{B02} + \boxed{\text{DE}} + \begin{array}{l} \text{1st DATA} \\ (0/1) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{2nd DATA} \\ (8 \text{ digits}) \end{array} + \boxed{\text{EXE}}$ <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: PEG COUNT
MAT B0	

4. DATA TABLE:

Y	TRUNK STATUS DATA		ASSIGNMENT DATA
	DATA	MEANING	
0	000 ? 063 (OG Call)	The number of Outgoing seizures-trunk route 00 – 63	CCC (For "0" CLEAR)
	064 (Tandem Conn.)	The number of tandem connections established	
	065 (STA busy)	The number of times a busy station was encountered	
	066 (ATT Call)	The number of all types of calls to the ATTCON(s)	
	068 (DT sending)	The number of connections giving Dial Tone	
	069 (STA to STA)	The number of station to station connections established	
	070 (SND all busy)	The number of failures caused by all senders being busy	
	071 (Data to Data)	The number of internal data station to data station call attempts	
	072 (ORT all busy)	The number of failures caused by all registers being busy	
	076 (RGT all busy)	The number of failures caused by all ringing trunks being busy	
	100 ? 163 (IC Call)	The number of incoming call seizures-trunk route 00-63	
	200 ? 263 (TRK all busy)	The number of times all trunks found to be busy - trunk route 0-63	
	999	Enter to clear all PEG data	

COMMAND CODE	TITLE: PEG COUNT
(MAT) B0	

Y	TRUNK STATUS DATA		ASSIGNMENT DATA
	DATA	MEANING	
0	500 ∩ 563 (ICBT Conn.)	The number of incoming calls terminated to busy tone-Trunk Route 00-63	CCC (For "0" CLEAR)
	600 ∩ 663 (IC no answer)	The number of unanswered incoming calls-Trunk Route 00-63	
	700 ∩ 763 (ORT Conn.)	The number of register connections on trunk call-Trunk Route 00-63	
	830 (Used busy)	The number of conference calls (Three/Four way Calling)	
	831 (CFT busy)	The number of failures caused by all conference trunks (For three way calling) being busy.	
	832 (IC & CF-DA)	The number of transferred incoming calls to an ATTCON or a pre-determined station, by Call Forwarding-No Answer.	

COMMAND CODE	TITLE: PEG COUNT
(MAT) B0	

4. DATA TABLE:

Y	1ST DATA		SETTING DATA																					
	DATA	MEANING	DATA	MEANING																				
2 Setting of duration for measuring PEG COUNT	0 (Measurement Start Time)	Setting of PEG COUNT Start Time	XXXXXXXX To stop the PEG COUNT immediately, enter 99999999	<table style="border: none;"> <tr> <td>XX</td> <td>XX</td> <td>XX</td> <td>XX</td> </tr> <tr> <td colspan="3"></td> <td>Min. (00-59)</td> </tr> <tr> <td colspan="3"></td> <td>Hour (00-23)</td> </tr> <tr> <td colspan="3"></td> <td>Day (01-31)</td> </tr> <tr> <td colspan="3"></td> <td>Month (01-12)</td> </tr> </table>	XX	XX	XX	XX				Min. (00-59)				Hour (00-23)				Day (01-31)				Month (01-12)
	XX	XX	XX	XX																				
				Min. (00-59)																				
			Hour (00-23)																					
			Day (01-31)																					
			Month (01-12)																					
1 (Measurement End Time)	Setting of PEG COUNT End Time																							
2 (Status)	For displaying the PEG COUNT Status Note																							

Note: *The meaning of the data displayed is as shown below:*

0: Not Started

1: Under measuring

2: Finished

After turning power on or after a system reset, the system starts the PEG COUNT, if the PEG COUNT start time has not been set.

COMMAND CODE	TITLE:
B1	TRAFFIC MEASUREMENT

1. FUNCTION:

This command is used to measure traffic data of outgoing/incoming trunk calls and to display the data on CAT or MAT.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + B1Y + [DE] + 1ST DATA + [DE] + 2ND DATA + [EXE]

4. DATA TABLE:

◀ : Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Setting condition of traffic measurement	0	Traffic Measurement Mode	0 ◀ 1 2	Not to measurement Hourly measurement Daily measurement	
		1	Setting Start Time for Traffic Measurement	XXXXXXXX	XX XX XX XX 	
		2	Setting End Time for Traffic Measurement	XXXXXXXX	XX XX XX XX 	

COMMAND CODE	TITLE: TRAFFIC MEASUREMENT
B1	

◀ : Initial Data

0	Setting condition of traffic measurement	3	Display data for Traffic Measurement	0	Before the traffic measurement	
				1	During the traffic measurement	
				2	Completed the traffic measurement	
1	Displaying incoming trunk traffic data	000 ? 127	Trunk No. 000 ? Trunk No. 127	1 ? 7	XXXX (4 digits)	Incoming trunk traffic data
2	Displaying outgoing trunk traffic data	000 ? 127	Trunk No. 000 ? Trunk No. 127	1 ? 7	XXXX (4 digits)	Outgoing trunk traffic data
3	Displaying 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
4	Displaying 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

COMMAND CODE	TITLE:
MAT B3	UCD PEG COUNT
<p>1. FUNCTION:</p> <p>This command allows accumulated traffic data related to the UCD Group to be read from the system.</p>	
<p>2. PRECAUTION:</p> <p>This command is included in MAT mode menu “D1” (Peg Count [COM03]).</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <ul style="list-style-type: none"> • To display $\boxed{\text{ST}} + \text{B3Y} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (1 - 4 \text{ digits}) \end{matrix} + \boxed{\text{DE}}$ • To clear individual data $\boxed{\text{ST}} + \text{B3Y} + \boxed{\text{DE}} + \text{TRUNK STATUS DATA} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ • 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:
MAT B3	UCD PEG COUNT

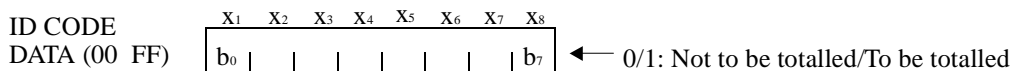
4. DATA TABLE:

Y		SETTING DATA	
TRUNK STATUS DATA	MEANING	DATA	MEANING
0 (ANS)	The number of answered calls on the UCD station	X ? XXXX	UCD Station Number (CM17 Y=0)
1 (IC Call)	The number of incoming calls to the UCD Group	00 ? 15	UCD Group 00 } ? } UCD Group 15 } CM17 Y=2
2 (Wait)	The number of call waiting calls for a pre-determined time in queuing mode on the UCD Group Note: <i>The predetermined time is specified by CM41 Y=0 Function No. 16.</i>		
3 (Wait & RLS)	The number of abandoned calls to the UCD Group		
4 (All Busy)	The number of incoming calls to the all Busy of the UCD Group		
5 (Answer)	The number of incoming calls to the UCD Group that were answered		
6	The number of times the number of queuing assigned by CM42-16 was reached		
9 (Clear)	Clear all UCD PEG COUNT data	999	

COMMAND CODE	TITLE: ID CODE ASSIGNMENT WITH AP
D5	

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
3	ID Code Entry	X XX ? X.....X Max. 10 digits Note 2	ID Code which is to be dialed in service. (Exclusive of Check Code)	ABBCC DDEE	Setting of Temporary Service Class A: Type of Temporary Service Class 0: Unrestricted 1: Fully-Restricted 2: Temporary Service Class 9: Delete of the ID Code B-E: Temporary Service Class (In case of A=2) B: Trunk Restriction Class (01-08) C: Service Feature Class-A (00-15) D: Service Feature Class-B (00-15) E: Service Feature Class-C (00-15)
A	Station Number setting corresponding to ID code	XX...X Max. 10 digits	ID code Note 3	X-XXXX	Station Number

Note 1: According to the digits to be designated, assign 01FF to the 1st Data 0 and 1 respectively. Digits 18 corresponding to Bits 07 shown below.



Note 2: When providing a Check Code, the maximum number of ID Code digits available is 8. The Check Code is displayed on the CAT/MAT in addition to the ID Code entered.

Note 3: The ID Code shall be registered previously at CMD5 Y = 3.

CMD6

COMMAND CODE	TITLE:
D6	ID CODE ALL CLEAR WITH AP
1. FUNCTION: This command is used for deleting all the ID Codes stored in the PN-AP01 card, at one time.	
2. PRECAUTION: None	
3. ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + \text{D60} + \boxed{\text{DE}} + 0000 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$	

COMMAND CODE	TITLE: OAI CONTROL DATA
D7	

1. FUNCTION:

This command assigns the data to control the OAI facility (MSF/TMF).

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

ST + D7Y + DE + FUNCTION DATA (2 - 5 digits) + DE + DATA (2 - 4 digits) + EXE

4. DATA TABLE:

◀: Initial Data

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	OAI Function Key number up MSF/TMF	F1032	OAI Function key number 0	128 ∴ 191	Operation Code for MSF
		F1033 ∴ F1047	OAI Function key number 1 ∴ OAI Function key number 15	192 ∴ 255		Operation Code for TMF
			Note	DCX	Digit Number of Digit Code (X=1-3) Note 2
1	Assignment of Operation Code for MSF	X ∴ XXX	Access Code assigned by CM20-084	128 ∴ 191	Operation Code for MSF Note 3
2	Assignment of Digital Announcement Trunk Number	00 ∴ 127	Message Number	1XXX └──┘	000 – 127: Digital Announcement Trunk
3	Assignment of the waiting timer for receiving an answer signal after starting up MSF/TMF	00	Setting Timer	000 ◀ 001 002 003 ∴ 127	8 sec. (4 sec. increments) 4 sec. 8 sec. 12 sec. ∴ 508 sec.

CMD7

COMMAND CODE		TITLE:			
D7		OAI CONTROL DATA			
◀: Initial Data					
Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4	Assignment of the maximum number of terminals (PB telephone) to be in terminal mode simultaneously	00	Setting MSF mode from a PB Telephone	00 ∩ 32 ◀	Number of Terminals
5	Assignment of Office No.	00	–	XXXX	Office No. (Max. 4 digits)
6	Assignment of operation code to start up MSF/TMF by dialing a digit code after depressing an OAI function key	X ∩ XXX	Digit Code (X=0-9, #) Note 4 Note 5	128 ∩ 191	Operation Code for MSF Note 6
				192 ∩ 255	Operation Code for TMF Note 6
7	Assignment of chime from D ^{term} when receiving RR signal of MSF/TMF	F1032 ∩ F1047	OAI Function Key No. 0 ∩ OAI Function Key No. 15	00 01 ◀	Send To send
8	Assignment of chime from D ^{term} when setting up TMF	00	Chime before sending terminal messages (when pressing OAI Function Key)	00 01 ◀	Not to ring Ring
		02	Chime after sending terminal messages		
	Assignment of display of guidance on D ^{term} when setting up TMF	01	Display of guidance before sending terminal messages (when pressing OAI Function Key)	00 01 ◀	Display Not displayed
		03	Display of guidance after sending terminal messages		
9	Internal Address of TCP/IP-Ethernet AP INITIAL	00 ∩ 03	Division No. of Internet Address	0 ∩ 255	Address Data
B	Assignment of ID Code digits	00	Number of ID code digits when AP stops during ACF operation	0 ◀ 1 2 3	No ACF operation 1 digit 2 digits 3 digits

COMMAND CODE	TITLE:
D7	OAI CONTROL DATA
<p>Note 1: <i>OAI Function key number is assigned by CM90.</i></p> <p>Note 2: <i>The digit code is assigned by CMD7 Y = 6.</i></p> <p>Note 3: <i>The maximum number of operation codes is 16.</i></p> <p>Note 4: <i>Digit number is assigned by CMD7 Y = 0.</i></p> <p>Note 5: <i>Do not use * as a digit code.</i></p> <p>Note 6: <i>The maximum number of operation codes is 128.</i></p>	

CMD9

COMMAND CODE	TITLE:			
D9	CENTRALIZED BILLING DATA PORT ASSIGNMENT			
1. FUNCTION:				
This command is used to assign the data port for sending billing information to a Centralized Office.				
2. PRECAUTION:				
None				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{D9YY} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{EXE}}$				
4. DATA TABLE:				
		2ND DATA		RELATED COMMAND
YY	1ST DATA	DATA	MEANING	
00	03	03	Centralized Billing data port assignment	CMA7 YY = 03, 04 CM08-378

COMMAND CODE	TITLE: CALLING NUMBER DEVELOPMENT DATA
DB	

1. FUNCTION:

This command is used to assign the calling number development data for CALLER ID.

2. PRECAUTION:

Clearing all data in memory for calling number development (CMDB YY=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 Slot 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.

3. ASSIGNMENT PROCEDURE:

[ST] + DBYY + **[DE]** + 1ST DATA (1-4 digits) + **[DE]** + 2ND DATA (1-14 digits) + **[EXE]**

4. DATA TABLE:

◀: Initial Data

YY		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 (Max. 14 characters)	Character Code See CM77
01	Destination station number for Day Mode Note 1, Note 2			X...XXXX (Max. 12 digits)	Day Mode Destination station number (X=0-9)
02	Destination station number for Night Mode Note 1, Note 2			X...XXXX (Max. 12 digits)	Night Mode Destination station number (X=0-9)

COMMAND CODE		TITLE:			
DB		CALLING NUMBER DEVELOPMENT DATA			
◀: Initial Data					
YY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
04	Ringling Tone	0-1499	Calling Number Development Table Number assigned by CMDC	0 ◀	Depends on CM35 YY=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
07	UCD Priority Queuing for each calling number			0 ◀	Not priority
					Priority
12	Priority for name display			0 ◀	Calling name received from network
				1	Name assigned by CMDB YY=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 YY=00)
				1	Using Development Table for actual Trunk Tenant (CMDC YY=00-63)
		1	Single Data Message Frame Format	0 ◀	With Time Parameter
				1	Without Time Parameter
90	Caller ID Receiver Memory All Clear	0000	—	CCC	Clear Note: Before clearing data, SW1-1 to SW1-4 on CALLER ID Receiver Trunk should beset to "ON" (Make-busy); and after memory clear, restore them to "OFF".
91	Caller ID Receiver Memory Clear for Development Table Number assigned by CMDC and Development Data assigned by CMDB				
92	Caller ID Receiver Memory Clear for Development Data assigned by CMDB				

COMMAND CODE	TITLE:
DB	CALLING NUMBER DEVELOPMENT DATA
<p>Note 1: <i>If assigning the destination station number as below, the Terminating System overrides CM30 YY=02/03 for the selected Development Table.</i></p> <ul style="list-style-type: none">****02 : <i>Trunk Line Appearance</i>****03 : <i>Trunk Line Appearance + TAS</i>****04 : <i>Direct-in Termination</i>****09 : <i>Automated Attendant</i>****11 : <i>ATTCON + Trunk Line Appearance</i>****13 : <i>TAS</i>****14 : <i>Termination to ATTCON</i>****16 : <i>Direct Inward System Access (DISA)</i>****19 : <i>ATTCON + TAS</i>****20 : <i>ATTCON + Trunk Line Appearance + TAS</i>****31 : <i>DID, TIE, and any call which is not handled by the PBX</i> <p>Note 2: <i>Destination Station number can be LCR access code + outside telephone number.</i></p>	

CMDC

COMMAND CODE	TITLE: CALLING NUMBER DEVELOPMENT TABLE
DC	

1. FUNCTION:

This command is used to assign the calling number development table number for CALLER ID, to each calling number.

2. PRECAUTION:

Clearing all data in memory for calling number development (CMDB YY=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 Slot 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.

3. ASSIGNMENT PROCEDURE:

ST + DCYY + DE + CALLING NUMBER (1-24 digits) + DE + DEVELOPMENT TABLE No. (1-4 digits) + EXE

4. DATA TABLE:

◀ : Initial Data

YY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00-63	Trunk Tenant Number	X...XXX	Calling Number	0-1499	Calling Number Development Table Number

COMMAND CODE		TITLE:				
E0		INITIALIZATION				
1. FUNCTION:						
This command allows the maintenance personnel to reset the system with the CAT.						
2. PRECAUTION:						
If the setting data (Month, Day and Time) is different from the current time of the system clock (set by command 02), any request to initialize the system is not accepted and "DATA ERROR" is displayed.						
3. ASSIGNMENT PROCEDURE:						
$\boxed{ST} + E0Y + \boxed{DE} + \text{TYPE OF INITIALIZATION (2 - 4 digits)} + \boxed{DE} + \text{DATA (8 digits)} + \boxed{EXE}$						
4. DATA TABLE:						
Y		TYPE OF INITIALIZATION		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
2	System Initialization	2000	MP Reset	MM DD HH MM Note	Current time displayed on Multiline Terminal/SN610 ATTCON	
5	Desired FP/AP Initialization	00 ? 15	FP/AP Number 00 ? FP/AP Number 15		To request the initialization immediately.	CM02 CM05
<p>Note: For the Data "MMDDHHMM", enter the Month, Date, and Time (hour and minute) of the time, as shown below.</p> <p>MM : Month (01 (Jan.) – 12 (Dec.))</p> <p>DD : Date (01 – 31)</p> <p>HH : Hour (00 – 24)</p> <p>MM : Minute (00 – 59)</p>						

COMMAND CODE	TITLE: STATION, TRUNK LINE MAKE BUSY
E5	

1. FUNCTION:

This command is used to make busy any station or trunk in the software.

2. PRECAUTION:

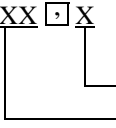
None

3. ASSIGNMENT PROCEDURE:

+ E5Y + + STATION/TRUNK
 NUMBER + + DATA
 (0/1) +

4. DATA TABLE:

◀: Initial Data

Y	STATION TRUNK NUMBER		SETTING DATA		REMARKS
	No.	MEANING	DATA	MEANING	
0	X ? XXXX	Station number (1-4 digits) Note 1	0 1 ◀	Make Busy set In service	For LC, AUC, and DLC card
1	000 ? 255	Trunk number Note 2	0 1 ◀	Make Busy set In service	For COT, LDT, ODT, 2BRT, and AUC card
2	XXXX <input type="checkbox"/> X 	ISDN Circuit Station No. 0: B1 Channel 1: B2 Channel Note 3	0 1 ◀	Make busy set In service	For ILC card
3	000 ? 255	ZT number	0 1 ◀ 2	Make busy (forced) Make idle Make busy (after calls finished)	For ZT Note 5

Note 1: For a station that is made busy, call termination to the station is restricted, but Call origination is available. For extension lines on a Multiline Terminal, My Line and Multiline make busy can be set individually, with the same condition as mentioned above.

Note 2: For a trunk that is made busy, the outgoing call is restricted, but on incoming, the call is available.

Note 3: For the B channel that is made busy, call termination to the ISDN Terminal corresponds with the B channel is restricted, but call origination is available.

Note 4: Under a made busy condition, the Busy Lamp on the card flashes (60 IPM).

Note 5: Make idle of ZT since the ZT is in make busy forcibly when assigning the ZT data by CM10.

COMMAND CODE		TITLE:																	
E6		CALL FORWARDING SET/RESET FROM MAT/CAT																	
<p>1. FUNCTION:</p> <p>This command sets/resets the Call Forwarding service to each station from a MAT/CAT.</p>																			
<p>2. PRECAUTION:</p> <p>CME6 can be used for any station irrespective of its state.</p>																			
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> $\boxed{\text{ST}}$ + E6YY + $\boxed{\text{DE}}$ + STATION No. (1-4 digits) + $\boxed{\text{DE}}$ + DESTINATION No. (1-26 digits) / CCC (for reset) + $\boxed{\text{EXE}}$ </p>																			
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">YY</th> <th style="width: 30%;">MEANING</th> <th style="width: 60%;">DESTINATION No.</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Call Forwarding-All Calls</td> <td rowspan="5"> <ul style="list-style-type: none"> • Destination = Extension; X-XXXX: Station No. (1-4 digits) • Destination = Outside party; <u>X-XX+ , +YY...YY</u> <div style="margin-left: 20px;"> Called No. (Max. 26 digits) Separator Mark Outgoing Trunk/LCR Group Access Code (1-2 digits) </div> • Destination = Attendant; E000 </td> </tr> <tr> <td>01</td> <td>Call Forwarding-Busy Line</td> </tr> <tr> <td>02</td> <td>Call Forwarding-No Answer</td> </tr> <tr> <td>03</td> <td>Call Forwarding-Busy Line/No Answer</td> </tr> <tr> <td>04</td> <td>Split Call Forwarding-All Calls</td> </tr> <tr> <td>05</td> <td>Split Call Forwarding-Busy Line/No Answer</td> <td> <ul style="list-style-type: none"> 0: Target station for Split Call Forwarding (Block 0)/ATT 1: Target station for Split Call Forwarding (Block 1) 2: Target station for Split Call Forwarding (Block 2) 3: Target station for Split Call Forwarding (Block 3) 4: Target station for Split Call Forwarding (Block 4) 5: Target station for Split Call Forwarding (Block 5) 6: Target station for Split Call Forwarding (Block 6) 7: Target station for Split Call Forwarding (Block 7) 8: Target station for Call Forwarding 9: Station Speed Dialing (Block 0) </td> </tr> </tbody> </table>			YY	MEANING	DESTINATION No.	00	Call Forwarding-All Calls	<ul style="list-style-type: none"> • Destination = Extension; X-XXXX: Station No. (1-4 digits) • Destination = Outside party; <u>X-XX+ , +YY...YY</u> <div style="margin-left: 20px;"> Called No. (Max. 26 digits) Separator Mark Outgoing Trunk/LCR Group Access Code (1-2 digits) </div> • Destination = Attendant; E000 	01	Call Forwarding-Busy Line	02	Call Forwarding-No Answer	03	Call Forwarding-Busy Line/No Answer	04	Split Call Forwarding-All Calls	05	Split Call Forwarding-Busy Line/No Answer	<ul style="list-style-type: none"> 0: Target station for Split Call Forwarding (Block 0)/ATT 1: Target station for Split Call Forwarding (Block 1) 2: Target station for Split Call Forwarding (Block 2) 3: Target station for Split Call Forwarding (Block 3) 4: Target station for Split Call Forwarding (Block 4) 5: Target station for Split Call Forwarding (Block 5) 6: Target station for Split Call Forwarding (Block 6) 7: Target station for Split Call Forwarding (Block 7) 8: Target station for Call Forwarding 9: Station Speed Dialing (Block 0)
YY	MEANING	DESTINATION No.																	
00	Call Forwarding-All Calls	<ul style="list-style-type: none"> • Destination = Extension; X-XXXX: Station No. (1-4 digits) • Destination = Outside party; <u>X-XX+ , +YY...YY</u> <div style="margin-left: 20px;"> Called No. (Max. 26 digits) Separator Mark Outgoing Trunk/LCR Group Access Code (1-2 digits) </div> • Destination = Attendant; E000 																	
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<p>Note: To reset Call Forwarding, assign "CCC" to the second data.</p>																			

COMMAND CODE		TITLE:																																													
E7		PASSWORD LEVEL																																													
<p>1. FUNCTION:</p> <p>This command specifies the accessible commands for each Password Level.</p>																																															
<p>2. PRECAUTION:</p> <p>None</p>																																															
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text"/>ST + E7YY + <input type="text"/>DE + COMMAND CODE (2 digits) + <input type="text"/>DE + DATA (1 digit) + <input type="text"/>EXE </p>																																															
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀ : Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">YY</th> <th rowspan="2">COMMAND CODE</th> <th rowspan="2">SETTING DATA</th> </tr> <tr> <th>No.</th> <th>PASSWORD LEVEL</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Password Level 0 – 6</td> <td rowspan="16">XX: 00 – FF (Exclusive of 03, E7, E9)</td> <td rowspan="16">0: Allowed 1: ◀ Restricted</td> </tr> <tr><td>01</td><td>1 – 6</td></tr> <tr><td>02</td><td>2 – 6</td></tr> <tr><td>03</td><td>3 – 6</td></tr> <tr><td>04</td><td>4 – 6</td></tr> <tr><td>05</td><td>5 – 6</td></tr> <tr><td>06</td><td>6</td></tr> <tr><td>10</td><td>0</td></tr> <tr><td>11</td><td>1</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> <tr><td>15</td><td>5</td></tr> <tr><td>16</td><td>6</td></tr> <tr> <td>20</td> <td>To clear all the Password Level settings for individual commands</td> <td>XX: 00 – FF (Exclusive of 03, E7, E9)</td> <td>1: All Password Levels excluding Level 7 are restricted from assignment of designated command.</td> </tr> <tr> <td>21</td> <td>To clear all the Password Level settings for all commands</td> <td>XX: 00</td> <td>1: All Password Levels excluding Level 7 are restricted from assignment of all commands.</td> </tr> </tbody> </table> <p>Note: In case of YY = 20, 21, the data to be set is “1” only.</p>				YY		COMMAND CODE	SETTING DATA	No.	PASSWORD LEVEL	00	Password Level 0 – 6	XX: 00 – FF (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 individual commands	XX: 00 – FF (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	XX: 00	1: All Password Levels excluding Level 7 are restricted from assignment of all commands.
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COMMAND CODE		TITLE:																																					
MAT	E9	PASSWORD CODE																																					
<p>1. FUNCTION:</p> <p>This command is used to define the Password Code of each Password Level and the availability of Password Service.</p>																																							
<p>2. PRECAUTION:</p> <p>(1) Before setting the Password code, Function Number 8 (Change of Password) must be set to 0 (Allowed).</p> <p>(2) When programming a Password Code, the Password Code for Password Level 7 must be made. If no Password Code of Password Level 7 is set, the programming of Password Service provision (CME9, FUNCTION No. 9) is restricted with the message "CODE NOT USED". Note</p> <p>(3) Function No. 9 (Password Service) must be set to 0 (Provided) after programming of all Password Codes is completed.</p>																																							
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;">PASSWORD LEVEL NO.</p> <p style="text-align: center;"> <input type="text" value="ST"/> + E9 + <input type="text" value="DE"/> + /FUNCTION NO. + <input type="text" value="DE"/> + DATA + <input type="text" value="EXE"/> </p> <p style="text-align: center;">(1 digit)</p>																																							
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" rowspan="2">PASSWORD LEVEL No. / FUNCTION No.</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">REMARKS</th> </tr> <tr> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Password Level 0</td> <td>X</td> <td>Password Code</td> <td rowspan="3">Following Password Codes are not available: "CC . . . C" (All "C") "FF . . . F" (All "F")</td> </tr> <tr> <td>1</td> <td>1</td> <td>XX</td> <td></td> </tr> <tr> <td>7</td> <td>Password Level 7</td> <td>1</td> <td></td> </tr> <tr> <td></td> <td></td> <td>X . . . X (Max. 8 digits)</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>Change of Password (Display of Password)</td> <td>0 ◀ 1</td> <td>Allowed Restricted</td> <td></td> </tr> <tr> <td>9</td> <td>Password Service</td> <td>0 1 ◀</td> <td>Provided Not provided</td> <td></td> </tr> </tbody> </table> <p>Note: Password Level 7 can access all the commands.</p>					PASSWORD LEVEL No. / FUNCTION No.		SETTING DATA		REMARKS	DATA	MEANING	0	Password Level 0	X	Password Code	Following Password Codes are not available: "CC . . . C" (All "C") "FF . . . F" (All "F")	1	1	XX		7	Password Level 7	1				X . . . X (Max. 8 digits)			8	Change of Password (Display of Password)	0 ◀ 1	Allowed Restricted		9	Password Service	0 1 ◀	Provided Not provided	
PASSWORD LEVEL No. / FUNCTION No.		SETTING DATA		REMARKS																																			
		DATA	MEANING																																				
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8	Change of Password (Display of Password)	0 ◀ 1	Allowed Restricted																																				
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COMMAND CODE	TITLE:																																			
(MAT) EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS																																			
<p>1. FUNCTION:</p> <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 																																				
<p>2. PRECAUTION:</p> <p>(1) This command is included in MAT Mode menu “F5” (Fault messages [COM03]).</p> <p>(2) In this command, when Y = 0 no second data is used. The fault information is automatically displayed when DE is pressed after entering first data 00.</p> <p>(3) See Fault Information Display in the following pages for details on how to read the fault information.</p>																																				
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + EAY + DE + 1ST DATA (2 digits) + DE + 2ND DATA (1 - 3 digits) + EXE </p>																																				
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Y</th> <th colspan="2" style="text-align: center;">1ST DATA</th> <th colspan="2" style="text-align: center;">2ND DATA</th> <th rowspan="2" style="text-align: center;">RELATED COMMAND</th> </tr> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> <th style="text-align: center;">DATA</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="vertical-align: top;">Fault information display [See Fault Information Display]</td> <td style="text-align: center;">00</td> <td style="vertical-align: top;">All fault information stored in Fault Information Memory is displayed one after another from the oldest to the newest Note 1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td></td> </tr> <tr> <td rowspan="3" style="text-align: center;">1</td> <td rowspan="3" style="vertical-align: top;">Clear External Alarm Kind (MJ/MN)</td> <td style="text-align: center;">00</td> <td style="vertical-align: top;">Clear both MJ/MN alarms</td> <td rowspan="3" style="text-align: center;">CCC</td> <td rowspan="3" style="vertical-align: top;">Alarm Clear</td> <td rowspan="3" style="vertical-align: top;">CM61 YY = 30</td> </tr> <tr> <td style="text-align: center;">01</td> <td style="vertical-align: top;">Clear MJ alarms</td> </tr> <tr> <td style="text-align: center;">02</td> <td style="vertical-align: top;">Clear MN alarms</td> </tr> </tbody> </table>						Y		1ST DATA		2ND DATA		RELATED COMMAND	No.	MEANING	DATA	MEANING	DATA	MEANING	0	Fault information display [See Fault Information Display]	00	All fault information stored in Fault Information Memory is displayed one after another from the oldest to the newest Note 1	-	-		1	Clear External Alarm Kind (MJ/MN)	00	Clear both MJ/MN alarms	CCC	Alarm Clear	CM61 YY = 30	01	Clear MJ alarms	02	Clear MN alarms
Y		1ST DATA		2ND DATA		RELATED COMMAND																														
No.	MEANING	DATA	MEANING	DATA	MEANING																															
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1	Clear External Alarm Kind (MJ/MN)	00	Clear both MJ/MN alarms	CCC	Alarm Clear	CM61 YY = 30																														
		01	Clear MJ alarms																																	
		02	Clear MN alarms																																	

COMMAND CODE		TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
MAT	EA	

◀: Initial Data

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Registration of fault information into Fault Information Memory for each fault, and control of external alarm		(Fault Kind: Occurrence)	0	(External Alarm Kind)	CM08-450, 451 CM42-01, 50
		01	System Initialization Note 2	3	0: Registration of Fault Memory/No output of External alarm	
		04	MP-FP/AP communication failure	NONE ◀	1: Registration of Fault Memory/ External Alarm is MN alarm	
		08	FP/AP card down		2: Registration of Fault Memory/ External Alarm is MJ alarm	
		09	Power failure		3: Registration of Fault Memory/ External Alarm kind is determined in standard data [See 2: External Alarm Kind (MJ/MN/-)]	
		12	ZT fault occurred (not recovered)		NONE ◀: Fault Memory registration is not performed. (External Alarm is not output.)	
		20	DTI Line failure		To assign None, enter CCC.	
		21	DCH D-channel link connection failure			
		22	CCH Link connection failure			
		25	The number of lock-out stations was more than the pre-determined number Note 3			
		26	DLC card down Note 4			
2B	ZT fault occurred					

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
(MAT) EA	

◀: Initial Data						
Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Registration of fault information into Fault Information Memory for each fault, and control of external alarm	(Fault Kind: Restoration)		0 3 NONE ◀	See the previous page	CM08-450, 451 CM42-01, 50
		18	FP/AP card returned to normal condition			
		19	Power failure returned to normal condition			
		30	DTI line returned to normal condition			
		31	DCH D-channel link connection returned to the normal condition			
		32	CCH Link connection returned to normal condition			
		35	The number of lock-out stations restored to less than the pre-determined number Note 5			
		36	DLC card returned to normal condition			
		3B	ZT returned to normal condition			

Note 1: 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 SENS switch selection. (Fixed for the system.)

Note 2: 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 SENS switch selection. (Fixed for the system.)

Note 3: The External Alarm Kind for “the number of lockout stations was more than the 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. (External Alarm Kind cannot be changed.)

Note 4: Care needs to be taken when setting DLC card down to 1 or 2. You will set an alarm when you unplug any set program on the DLC.

Note 5: The External Alarm Kind for “the number of lockout stations was less than the 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. (External Alarm Kind cannot be changed.)

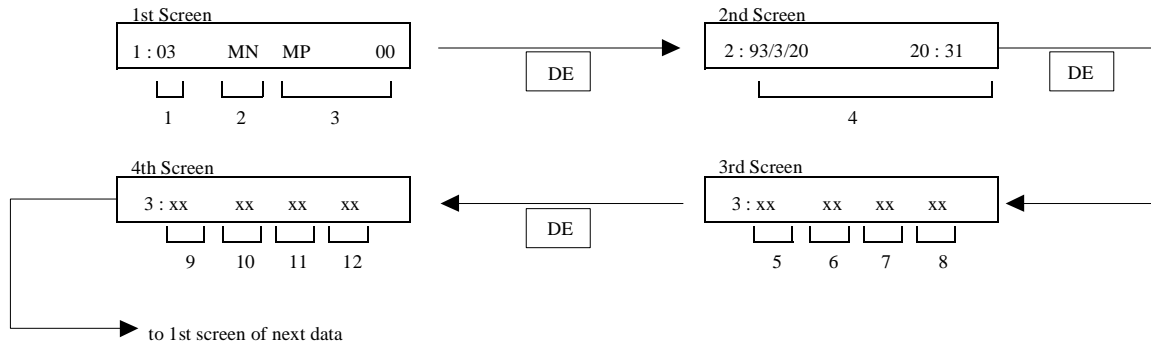
COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
(MAT) EA	

■ 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 Occurrence Kind No./Fault Restoration Kind No.

FAULT KIND NUMBER	FAULT CONTENT
01	System initialized
03	The number of stack entries was more than the caution level
04	MP-FP/AP communication failure
08	FP-AP card down
09	Power failure
20	DTI line failure
21	DCH D-channel link connection failure
22	CCH link connection
25	The number of lockout stations was more than the predetermined number
26	DLC card down

COMMAND CODE	TITLE:
(MAT) EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

EXPLANATION OF SCREEN INFORMATION (Continued)

FAULT RESTORATION KIND NUMBER	FAULT RESTORATION CONTENT
18	FP/AP package returned to normal condition
19	Power failure returned to normal condition
30	DTI line returned to normal condition
31	DCH D-channel link connection returned to the normal condition
32	CCH link connection returned to normal condition
35	The number of lockout stations was less than the predetermined number
36	DLC card returned to normal condition

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
03	The number of stack entries was more than the caution level	MN ALARM
04	MP-FP/AP communication failure	MN ALARM
08	FP/AP package down	MN ALARM
09	Power failure	MN ALARM
18	FP/AP package returned to normal condition	--
19	Power failure returned to normal condition	--
20	DTI line failure	MN ALARM
21	DCH D-channel link connection failure	MN ALARM
22	CCH link connection failure	MN ALARM
25	The number of lockout stations was more than the predetermined number (Refer to CM42, 1ST data = 01)	MN ALARM (Fixed)
26	DLC card down	--
30	DTI line returned to normal condition	--
31	DCH D-channel link connection returned to the normal condition	--
32	CCH link connection returned to normal condition	--
35	The number of lockout stations was less than the predetermined number	--
36	DLC card returned to normal condition	--

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
(MAT) EA	

EXPLANATION OF SCREEN INFORMATION (Continued)

3: CPU Kind and FP/AP number for which a fault was detected

INDICATION	MEANING
MP 00	MP
FP 00 - 03	FP Number 0 - 3
AP 04 - 15	AP Card Number 4 - 15

4: Date and Time of Fault Occurrence and Restoration

5-12: Fault-Related Information/Fault Restoration-Related Information

FAULT KIND NUMBER	5	6	7	8	9	10	11	12
01	Initial Kind, etc ①, ②	System Initialization-related information ③						
03	Stack Kind ④							
04	Communication Failure Kind ⑤							
08	FP/AP Number ⑥							
09	Power Failure Kind 1 ⑦	Power Failure Kind 2 ⑦	Power Failure Kind 3 ⑦					
20	Fault Detail Kind ⑨							
21	D-channel circuit No. ⑩							
22	CCH No. ⑪							
25								
26	DLC Failure Kind ⑫	LEN ⑬		Station Number ⑭				

COMMAND CODE	TITLE: FAULT INFORMATION STORE/DISPLAY FUNCTIONS
(MAT) EA	

FAULT KIND NUMBER	5	6	7	8	9	10	11	12
18	FP/AP No. ⑥							
19	Power Failure Kind 1 ⑧	Power Failure Kind 2 ⑧	Power Failure Kind 3 ⑧					
30	Fault Detail Kind ⑨							
31	D-channel circuit No. ⑩							
32	CCH No. ⑪							
35								
36	DLC Failure Kind ⑫	LEN ⑬		Station Number ⑭				

①: Initial Kind (Upper digit)

- 1: Program address information
- 2: Receive command information
- F: No system initialized related information

②: Initial Kind (Lower digit)

- 0: Power On Initialize
- 1: Initialize by Reset key
- 2: Major Alarm 1
- 3: Major Alarm 2
- 4: Not Used
- 5: Major Alarm 3
- 6: Major Alarm 4
- 7: Major Alarm 5
- 8: Major Alarm 6
- 9: Initialize by SENS SW selection
- A: Major Alarm 7
- B: Initialize from CAT/MAT
- C: Not Used
- D: Not Used
- E: Not Used
- F: Not Used

COMMAND CODE	TITLE:
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p>③: System Initialization related information</p> <p>The address of the program which caused system initialization. Note that, when the program which caused initialization is lpdi, the receive command (4 bytes from the head) is stored. This information is output in the case of system initialization only when the initial kind in 14 is 02, 03, 06, or 0A.</p> <p>④: Stack Kind (Lower digit)</p> <p>0: The number of registrations into H-rank stack was over 16. 1: The number of registrations into L-rank stack was over 48.</p> <p>⑤: Communication Failure Kind (Lower digit)</p> <p>0: Overflow of the buffer for data sending from MP to FP/AP.</p> <p>⑥: FP/AP Number (Lower digit)</p> <p>0-3: FP No. 0-3 4-F: AP Card No. 4-15</p> <p>⑦: Power Failure Kind</p> <p>00: AC input failure 01: Fuse break 02: PWR alarm</p> <p>⑧: Power Failure Restoration Kind</p> <p>00: Restoration from AC input failure 01: Restoration from fuse break 02: Restoration from PWR alarm</p> <p>⑨: Fault Kind Detail (Lower digit)</p> <p>0: PCM Loss 1: Frame loss 2: Multiframe loss 3: Not used 4: Remote alarm 5: Not used 6: S-bit error 7: Not used 8: CRC error 9: Slip detected</p>	

COMMAND CODE	TITLE:
(MAT) EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS
<p> A: Not used B: Not used C: Not used D: Not used E: Not used F: Not used </p> <p> ⑩: D-channel circuit No. </p> <ul style="list-style-type: none"> • DCH: 00=Channel No. 0 <p> ⑪: CCH No. </p> <p> 0-3: CCH No. </p> <p> ⑫: DLC Failure Kind </p> <ul style="list-style-type: none"> 00: Terminal was cut off 02: Short circuit was made on the line 03: A wire was grounded 04: B wire was grounded or terminal was unconnected 05: Terminal failure 08: Terminal circuit failure <p> ⑬: LEN (0000-0511) </p> <p> ⑭: Station No. (X-XXXX) </p>	

COMMAND CODE	TITLE: BATTERY RELEASE/LINE STATUS DISPLAY
EC	

1. FUNCTION:

This command is used for maintenance of the PBX. The functions of this command are outlined below:

- Battery release
- Line status display for single line telephone or Multiline Terminal

2. PRECAUTION:

- (1) See Line Status Display in the following pages for details on how to read the status information.
- (2) Line status display of a single line should not be performed while the single line is in use.
- (3) Line status display is not available in off-line.

3. ASSIGNMENT PROCEDURE:

[ST] + ECY + **[DE]** + ^{1ST DATA}
(1 - 4 digits) + **[DE]** + ^{2ND DATA}
(0/1) + **[EXE]**

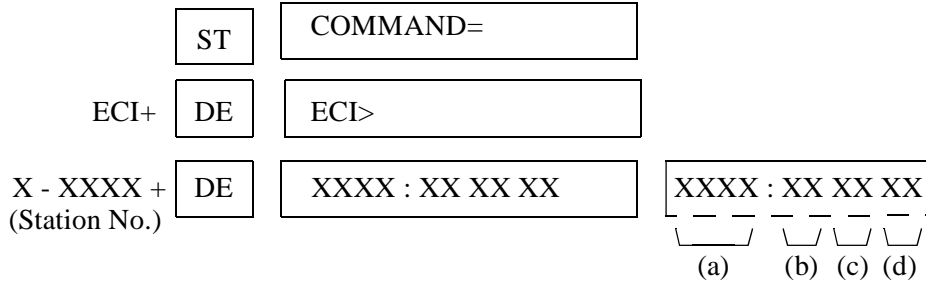
4. DATA TABLE:

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Battery release	00	—	0	Available	
				1	Not available	
1	Line status display [See Line Status Display]	X ? XXXX	Single Line Station Number or Primary Extension Number X = 0 - 9, A(*),B(#)	—	—	

COMMAND CODE	TITLE: BATTERY RELEASE/LINE STATUS DISPLAY
EC	

■ Line Status Display

Operation :



Explanation of Screen Information:

- (a) Station Number : X-XXXX (1-4 digits)
- (b) Analog Line/Digital Line
00: LC (Single Line Tel.)
10: DLC (Multiline Terminal)
- (c) Hardware Test

INDICATION	STATUS OF SINGLE LINE TEL.	STATUS OF MULTILINE TERMINAL	REMARKS
00	Terminal is not connected	Terminal is not connected or tip wire is grounded	
01	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:
EE	VIRTUAL TIE LINE SET/RELEASE

1. FUNCTION:

This command sets/releases the virtual tie line (Event Based CCIS) from a MAT.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

◀: Initial Data

YY		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1	Virtual tie line set/ release	XXXX	Trunk No. of oppo- site office assigned by CM30 YY = 19	0 1 ◀	Set Release	CM30 YY = 19

COMMAND CODE	TITLE: SPECIAL COMMANDS
E1, F0, F1	

1. FUNCTION:

These commands are used only for maintenance. DO NOT USE these commands without the assistance of a NEC engineer.

(1) MP Memory Check Sum Display (CME1 Y=0)

The following shows the steps for displaying check sums using the CAT

Note 1
Note 2

$\boxed{\text{ST}} + \text{E10} + \boxed{\text{DE}} + \text{XX} + \boxed{\text{DE}} \text{ ----- Display Data YYYY}$

Note 1: XX: 01-04 (MP Memory Area Number)

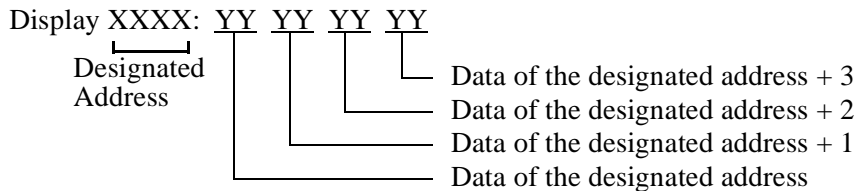
Note 2: YYYY: 0000-FFFF (Check Sum)

(2) MP Memory Dump (CMF0)

The following shows the steps for performing a memory read using the CAT.

Note 1, 2

$\boxed{\text{ST}} + \text{F0} + \boxed{\text{DE}} + \sqrt{\text{ZXXXX}} + \boxed{\text{DE}}$
Address



Note 1: Z: 0-F (Segment)

Note 2: XXXX: 0000-FFFF (Address)

Note 3: YY: 00-FF (Data)

Note 4: This command is used only for memory display and cannot be used for memory changing.

(3) MP Memory Read/Write (CMF1) **Note 1**

The following shows the steps for changing memory using the CAT.

Note 2, 3

$\boxed{\text{ST}} + \text{F1} + \boxed{\text{DE}} + \sqrt{\text{ZXXXX}} + \boxed{\text{DE}} + \text{XX} + \boxed{\text{EXE}}$
Address
New Data

Note 1: Use extreme care when using this command while the system is in service.

Note 2: Z: 0-F (Segment)

Note 3: XXXX: 0000-FFFF (Address)

CMF5

COMMAND CODE	TITLE:
F5	SPECIAL COMMANDS

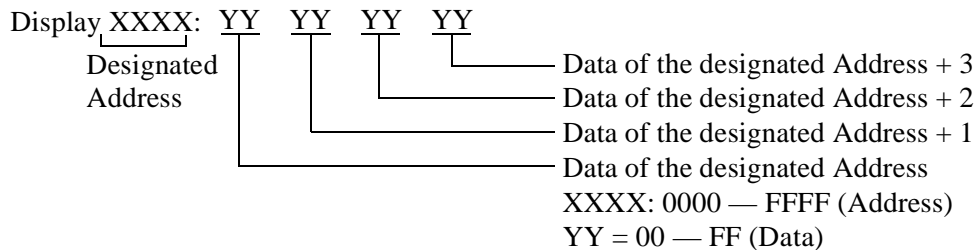
(6) Line/Trunk Memory/Alarm Memory Read (CMF5)
 The following shows the steps for performing a memory read using the MAT/CAT.

ST + F5Y + **DE** + 1ST DATA + **DE**

Y	1ST DATA	READOUT DATA (STATUS INFORMATION)	REMARKS
0	X ? XXXX	Single Line Station/Virtual Line Station Number (1-4 digits) X=0-9, A(*), B(#)	Status of Station/Trunk
	FX ? FXXXX	Multiline Terminal Number <X-XXXX> represents Primary Extension Number	
	D000 ? D255	Trunk Number	
2	X ? XXXX	Single Line Station/Virtual Line Station Number (1-4 digits) X=0-9, A(*), B(#)	LEN Number
	X ? FXXX	Multiline Terminal Number <X-XXXX> represents Primary Extension Number	
	D000 ? D255	Trunk Number	
3	000 003 004	Memory Dump Data	Reason for initialization MP initialization time FP initialization time

COMMAND CODE	TITLE: SPECIAL COMMANDS
F5	

Note 1: A status information associated with 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 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 - 0511 (LEN)
 ZZZZ : 0000 - 0255 (Virtual LEN)

COMMAND CODE	TITLE: SPECIAL COMMANDS
F8	

1. FUNCTION:

This command is used to assign the ID code to protect a copy of the Key FD.

2. PRECAUTION:

This command requires a system reset after data setting.

3. ASSIGNMENT PROCEDURE:

ST + F8Y + DE + 1ST DATA (1 digit) + DE + 2ND DATA (1-10 digits) + EXE

4. DATA TABLE:

YY		1ST DATA		2ND DATA			
No.	MEANING	DATA	MEANING	DATA	MEANING		
0	Display of Serial Number	0	Serial # C (for PN-CP00)	X ... X	Serial Number (Max. 14 digits) X:ASCII Code (20H-7DH)		
		1	Serial # A (for Key FD #2)				
		2	Serial # B (for Key FD #1)				
3	ID Code for Key FD	0	ID Code Entry/Display of ID Code Note 1	X ... X	ID Code (10 digits) X=0-9 CCC: Cancel		
		1	Display of remaining time for Special ID Code Special ID Code Entry Note 2			0000 ? 4320	0 – 4320 minutes 0 – 4320 minutes
		2	Display of Validity/Invalidity for entered ID Code			0 1	Valid ID Code Invalid ID Code

Note 1: The ID code received from the Interactive Voice Response (IVR) unit must be entered.

Note 2: The Special ID Code can be entered when the ID code is not provided due to trouble with the IVR unit. The Special ID code is effective for 3 days (4320 minutes). If the exact ID code is not entered within 3 days of entering the Special ID Code, you will be restricted for MAT/CAT operation.

COMMAND CODE	TITLE:	
D000	SYSTEM FEATURES (1)	
1. FUNCTION:		
This command is used to assign SMDR and PMS functions.		
2. PRECAUTION:		
None		
3. ASSIGNMENT PROCEDURE:		
$\boxed{\text{ST}} + \text{D000} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (1 - 3 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (0/1) \end{matrix} + \boxed{\text{EXE}}$		
4. DATA TABLE:		
◀ : Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
2	Designation of the language in which the messages are to be printed out.	0 : Japanese 1 ◀ : English
11	By Check-In operation ($\boxed{\text{CHK IN}}$ + Station No. + $\boxed{\text{SET}}$), check-in time information has overflowed.	0 ◀ : Not available 1 : Available
41	Action when the memory storing the call information for the SMDR Terminal has overflowed.	0 ◀ : No new data is stored. 1 : New data is stored by deleting the oldest data.
56	Expansion Memory card (PN-ME00) is provided	0 ◀ : Not provided 1 : To provide
60	Contents of the dial information to be sent out to the SMDR.	0 ◀ : Only the called party's number is sent out. 1 : (The access code is not included.) All the dial information inclusive of the access code is sent out.
69	Change Guest Name by room change message from the PMS.	0 ◀ : Not available 1 : Available
70	SMDR service for incoming call	0 ◀ : Effective only for incoming calls with an Account code entered 1 : Effective for all incoming calls
71	5 digits station output	0 ◀ : No 1 : Yes

COMMAND CODE		TITLE: SYSTEM FEATURES (1)
D000		
◀: Initial Data		
1ST DATA		2ND DATA
DATA	FUNCTION	
72	The Authorization Code is printed out.	0◀: No 1 : Yes
76	Sending call information for tandem calls through CCIS	0◀: Not sent 1 : To send
77	Sending of detail information of tandem calls to SMDR terminal, which is set to "4" by CMD001-80/100/120	0◀: Not sent 1 : To send
78	Sending of detail information of tandem calls to SMDR terminal, which is set to "5" by CMD001-80/100/120	0◀: Not sent 1 : To send
79	Contents of tandem call information to be sent to CCIS or SMDR terminal	0◀: Only outgoing call information 1 : Both outgoing and incoming call information
87	Send the Check Out Message ON/OFF Report to the PMS when the PBX receives the Check Out Message from the PMS	0◀: Not sent 1 : To send
88	Send the message to the PMS, where the Check Out station is originating a C.O. call	0◀: Not sent 1 : To send
103	Designation of Printer Line Feed Code (Depends on the printer provided)	0◀: CR 1 : CR and LF
114	Send the Controlled Restriction message to the PMS when setting the Do Not Disturb feature	0◀: Not sent 1 : To send
115	Send the Controlled Restriction message to the PMS when setting the Room Cut Off feature	0◀: Not sent 1 : To send
116	Send the Message Waiting message to the PMS when setting the Message Waiting feature	0◀: Not sent 1 : To send
119	The Maid Status message to the PMS when setting the Maid Status by guest room telephone or the front desk instrument	0◀: To send 1 : Not sent
134	The Wake Up message to the PMS when setting the Wake Up feature	0◀: Not sent 1 : To send
135	The result of Wake Up message when performing the Wake Up call feature	0◀: Not sent 1 : To send
136	Send text (Message Waiting control text sending is available) to VMS when resetting PN-AP00	0◀: To send 1 : Not sent
137	Number of digits for station number in message format to communicate with message center	0◀: 6 digits 1 : 8 digits

COMMAND CODE		TITLE:	
D000		SYSTEM FEATURES (1)	
◀: Initial Data			
1ST DATA		2ND DATA	
DATA	FUNCTION		
138	MCI/Printer for No. 3 Port Note: <i>No. 3 port on the PN-AP00 card can be only connected to the VMS or printer which the RTS signal from the PN-AP00 card is not needed.</i>	0◀: Not provided 1 : To provide	
140	Send a 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 to SMDR	0◀: Not sent Note: <i>In this case, 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> 1 : To send	
150	Specify system to not print Maid Status Record.	0 : Not available 1◀: Available	
176	Designation of Call Charge	0◀: Call charge by PN-AP00 1 : Call charge by Advice of Charge (AOC) from ISDN network	
208	Check In/Check Out time is printed in the call charge print by checkout operation.	0◀: Not available 1 : Available	
209	Room Status is printed in the call charge print by checkout operation.	0◀: Not available 1 : Available	
238	Display of year	0◀: Not displayed 1 : To display	

COMMAND CODE	TITLE:																							
D001	SYSTEM FEATURES (2)																							
1. FUNCTION:																								
This command is used to assign various SMDR and PMS functions, and the interface conditions for the SMDR terminal, printer and PMS.																								
2. PRECAUTION:																								
None																								
3. ASSIGNMENT PROCEDURE:																								
$\boxed{\text{ST}} + \text{D001} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ (1-3 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ (1 \text{ digit}) \end{matrix} + \boxed{\text{EXE}}$																								
4. DATA TABLE:																								
◀ : Initial Data																								
DATA	1ST DATA			2ND DATA																				
	FUNCTION																							
1	Method of charging a transferred call • In the following are shown the stations to which call charging is to be made in the case of various transfer patterns. <table style="margin-left: 40px; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">2ND <u>DATA=0</u></td> <td style="text-align: center;">2ND <u>DATA=1</u></td> <td style="text-align: center;">2ND <u>DATA=2</u></td> </tr> <tr> <td>• Call transfer from STA A to STA B</td> <td style="text-align: center;">Split charging to STA A & STA B</td> <td style="text-align: center;">STA B</td> <td style="text-align: center;">STA A</td> </tr> <tr> <td>Call transfer from a station (STA) to ATTCON</td> <td style="text-align: center;">STA</td> <td style="text-align: center;">STA</td> <td style="text-align: center;">STA</td> </tr> <tr> <td>• Call transfer from ATTCON to a station (STA)</td> <td style="text-align: center;">STA</td> <td style="text-align: center;">STA</td> <td style="text-align: center;">STA</td> </tr> <tr> <td>• Call transfer from ATTCON A to ATTCON B</td> <td style="text-align: center;">Split charging to ATTCON A and ATTCON B</td> <td style="text-align: center;">ATTCON B</td> <td style="text-align: center;">ATTCON A</td> </tr> </table>				2ND <u>DATA=0</u>	2ND <u>DATA=1</u>	2ND <u>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	0 ◀ : Split charging to both the transfer destination station and the transferring station. 1 : Charging to the transfer destination station. 2 : Charging to the transferring station.
	2ND <u>DATA=0</u>	2ND <u>DATA=1</u>	2ND <u>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																					
Note: Refer to Tables 3-1 through 3-5.																								

COMMAND CODE		TITLE: SYSTEM FEATURES (2)
D001		
◀ : Initial Data		
DATA	1ST DATA FUNCTION	2ND DATA
4	Printout function of Check-In time and Checkout time, when the Checkout is set from a Front Desk Instrument.	0◀ : Not available 1 : Available
5	Clearing of Check-In and setting of Room Cutoff service are executed.	0 : Not available 1◀ : Available
6	Designation of the number of line feeds after printing.	0◀ : No line feed 1 : 1 line feed ? : ? 10 : 10 line feeds
11	Printout function of Room Status Information, when the Checkout is set from a Front Desk Instrument.	0 : Not available 1◀ : Available
12	Assignment of Room Status Code to be set by Check-In operation ([CHK IN] + Station No. + [SET]) (Relevant command is CMD015, CMD016 – XX06 and CMD031.)	0◀ : Invalid 1 : } ? : } Room Status Code 8 : }
13	Assignment of Maid Status Code to be set by Checkout operation ([CHK IN] + Station No. + [RESET])	0 : Invalid 1◀ : } 2 : } Maid Status Code ? : } 8 : }
14	Check-In/Checkout function by a Hotel/Motel Front Desk Instrument.	1◀ : Available (if DATA 5 = 1) 2 : Not available
19	Sending the Message Waiting/Restriction Level/Wake-Up message to PMS.	1 : Not available 2◀ : Available
20	Data Speed for No. 0 Port Note AP INITIAL	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 Note AP INITIAL	0◀ : 1 bit 1 : 1.5 bits 2 : 2 bits
22	Data Length for No. 0 Port Note AP INITIAL	0◀ : 7 bits 1 : 8 bits
Note: Refer to Tables 3-1 through 3-5.		

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
23	Parity for No. 0 Port AP INITIAL	Note 0 : No parity 1◀ : Even parity 2 : Odd parity
24	Data Speed for No. 1 Port AP INITIAL	Note 0◀ : Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps
25	Stop Bit Length for No. 1 Port AP INITIAL	Note 0◀ : 1 bit 1 : 1.5 bits 2 : 2 bits
26	Data Length for No. 1 Port AP INITIAL	Note 0◀ : 7 bits 1 : 8 bits
27	Parity for No. 1 Port AP INITIAL	Note 0◀ : No parity 1 : Even parity 2 : Odd parity
28	Data Speed for No. 2 Port AP INITIAL	Note 0◀ : Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps
29	Stop Bit Length for No. 2 Port AP INITIAL	Note 0◀ : 1 bit 1 : 1.5 bits 2 : 2 bits
30	Data Length for No. 2 Port AP INITIAL	Note 0◀ : 7 bits 1 : 8 bits
31	Parity for No. 2 Port AP INITIAL	Note 0◀ : No parity 1 : Even parity 2 : Odd parity

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
32	Data Speed for No. 3 Port (AP INITIAL)	Note 0◀ : Not used 1 : 300 bps 2 : 1200 bps 3 : 2400 bps 4 : 4800 bps 5 : 9600 bps
33	Stop Bit for No. 3 Port (AP INITIAL)	Note 0◀ : 1 bit 1 : 1.5 bits 2 : 2 bits
34	Data Length for No. 3 Port (AP INITIAL)	Note 0◀ : 7 bits 1 : 8 bits
35	Parity for No. 3 Port (AP INITIAL)	Note 0◀ : No parity 1 : Even parity 2 : Odd parity
36	Message format which is sent to VMS with MCI	0◀ : Conventional (without ANI) 1 : Expanded (with ANI)
39	Expansion RAM card (SRAM card) for PN-ME00 card is provided.	0◀ : Not provided 1 : Provided
80	Function of No. 0 Port (AP INITIAL)	Note 0 : No function 4◀ : SMDR/PMS 5 : SMDR 16 : Printer 0 17 : Printer 1 24 : MCI

} **Note 1**

Note 1: Two SMDR terminals or one SMDR terminal + one PMS terminal can be provided in one system via the No. 0 through No. 2 port. The kind of call information that is sent to the SMDR terminal can be specified respectively by CMD016-XX16, XX17, XX21, XX22, XX30 and XX55. To the PMS terminal, only CMD016-XX16 is available. The following table shows examples of the configuration and its data setting.

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
81	Priority for data processing on No. 0 Port Note	0◀ : 1st 1 : 2nd
82	Message format on No. 0 Port (when 2nd data of CMD001-80 is set to 4) AP INITIAL	0 : No data is sent. 3◀ : SMDR (NEAX2400 IMS format) 4 : SMDR (NEAX1400 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) AP INITIAL	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) AP INITIAL	0◀ : No page 1 : } No. of lines including space within ? : } a page (depends on size of print 88 : } paper used)
84	Protocol on No. 0 Port (when 2nd data of CMD001-80 is set to 4) AP INITIAL	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) AP INITIAL	0 : No page 1 : } ? : } No. of lines to print within a page 88 : }
85	Station Address (SA) of a message transmitted to No. 0 Port AP INITIAL	0 : Not used 1 : } ? : } 255 : } 48◀ :

Note: Refer to Tables 3-1 through 3-5.

PORT No.	FUNCTION (PROVIDED TERMINAL)	CALL INFORMATION SENT TO TERMINAL	DATA SETTINGS
0	SMDR	C.O. Outgoing Calls Tie Line Outgoing Calls	CMD001 -80 : 4 CMD016 -XX16 : 1 -XX21 : 1

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

PORT No.	FUNCTION (PROVIDED TERMINAL)	CALL INFORMATION SENT TO TERMINAL	DATA SETTINGS
1	SMDR	C.O. Outgoing Calls Tie Line Outgoing Calls	CMD001 -80 : 5 CMD016 -XX17 : 1 -XX22 : 1
0	PMS	C.O. Outgoing Calls	CMD001 -100 : 4 CMD016 -XX16 : 1

PORT No.	FUNCTION (PROVIDED TERMINAL)	CALL INFORMATION SENT TO TERMINAL	DATA SETTINGS
0	SMDR	C.O. Outgoing Calls	CMD001 -80 : 4 CMD016 -XX16 : 1
1	SMDR	Tie Line Outgoing Calls Incoming Calls	CMD001 -100 : 5 -XX22 : 1 -XX55 : 1

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
86	Unit Address (UA) of a message transmitted to No. 0 Port Note AP INITIAL	0 : Not used 1 : ? } ASCII Code in BCD 255 : 33 ◀ : !
87	Timer for detecting the terminal no answer on No. 0 Port Note AP INITIAL	0 ◀ : No data 1 : ? } 128 msec increments 255 :
89	Timer for detecting the end of block on No. 0 Port Note AP INITIAL	0 ◀ : No data 1 : ? } 512 msec increments 255 :
90	Timer for detecting non-data communications on No. 0 Port Note AP INITIAL	0 ◀ : Not used 1 : ? } 512 msec increments 255 :

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE		TITLE: SYSTEM FEATURES (2)
D001		
◀ : Initial Data		
DATA	1ST DATA FUNCTION	2ND DATA
91	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 0 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? : ? 255 : 255 times
92	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 0 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? : ? 255 : 255 times
93	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 0 Port Note AP INITIAL	0◀ : Not used 1 : 2 times ? : ? 255 : 255 times
94	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 0 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? : ? 255 : 255 times
95	Delay before resending the Selecting Sequence when NAK is returned on No. 0 Port Note AP INITIAL	0◀ : Not used 1 :] ? :] 128 msec increments 255 :]
96	Delay before resending the text when WABT is returned on No. 0 Port Note AP INITIAL	0◀ : Not used 1 :] ? :] 128 msec increments 255 :]
98	Guard timer between texts on No. 0 Port Note	0◀ : 0-128 msec. 1 : 128-256 msec. 2 : 256-384 msec. 3 : 384-512 msec. 4 : 512-640 msec.
100	Function of No. 1 Port Note AP INITIAL	0◀ : No function 4 : SMDR/PMS 5 : SMDR 16 : Printer 0 17 : Printer 1 24 : MCI] Refer to Note 1 of CMD001-80.
101	Priority for data processing on No. 1 Port Note	0◀ : 1st 1 : 2nd

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE		TITLE:	
D001		SYSTEM FEATURES (2)	
◀ : Initial Data			
DATA	1ST DATA	2ND DATA	
	FUNCTION		
102	Message format on No. 1 Port (when 2nd data of CMD001-100 is set to 4) (AP INITIAL) Note	0 ◀ : No data is sent out 3 : NEAX2400 IMS format 4 : NEAX1400 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) (AP INITIAL) Note	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) (AP INITIAL) Note	0 ◀ : No page 1 : } No. of lines including space within a page (depends on size of print paper used) 88 : }	
104	Protocol on No. 1 Port (when the 2nd data of CMD001 – 100 is set to 4) (AP INITIAL) Note	0 ◀ : :Not used 1 : :Free wheel 6 : :IMS procedures	
	Number of lines per page to be printed out on No. 1 Port (when the 2nd data of CMD001–102 is set to 2) (AP INITIAL) Note	0 ◀ : No page 1 : } No. of lines to print within a page 88 : }	
105	Station Address (SA) of a message transmitted to No. 1 Port (AP INITIAL) Note	0 ◀ : Not used 1 : } ASCII Code in BCD 255 : }	
106	Unit Address (UA) of a message transmitted to No. 1 Port (AP INITIAL) Note	0 ◀ : Not used 1 : } ASCII Code in BCD 255 : }	
107	Timer for detecting the terminal no answer on No. 1 Port (AP INITIAL) Note	0 ◀ : No data 1 : } 128 msec increments 255 : }	
109	Timer for detecting the end of block on No. 1 Port (AP INITIAL) Note	0 ◀ : No data 1 : } 512 msec increments 255 : }	

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE		TITLE: SYSTEM FEATURES (2)
D001		
◀ : Initial Data		
DATA	1ST DATA FUNCTION	2ND DATA
110	Timer for detecting non-data communication on No. 1 Port Note AP INITIAL	0◀ : No data 1 : ? } 512 msec increments 255 :]
111	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? ? 255 : 255 times
112	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? ? 255 : 255 times
113	Number of times to resend Selecting Sequence when NAK is returned in Phase 3 on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? ? 255 : 255 times
114	Number of times to resend Selecting Sequence when no answer in Phase 3 on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : 1 time ? ? 255 : 255 times
115	Delay before resending Selecting Sequence when NAK is returned on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : ? } 128 msec increments 255 :]
116	Delay before resending text when WATB is returned on No. 1 Port Note AP INITIAL	0◀ : Not used 1 : ? } 128 msec increments 255 :]
118	Guard timer between texts on No. 1 Port Note	0◀ : 0-128 msec. 1 : 128-256 msec. 2 : 256-384 msec. 3 : 384-512 msec. 4 : 512-640 msec.
Note: Refer to Tables 3-1 through 3-5.		

COMMAND CODE		TITLE:	
D001		SYSTEM FEATURES (2)	
◀ : Initial Data			
DATA	1ST DATA	2ND DATA	
	FUNCTION		
120	Function of No. 2 Port Note	0◀ : No function 4 : SMDR/PMS 5 : SMDR 16 : Printer 0 17 : Printer 1 24 : MCI Refer to Note 1 of CMD001-80.	
121	Priority for data processing on No. 2 Port Note	0◀ : 1st 1 : 2nd	
122	Message format on No. 2 Port (when the 2nd data of CMD001 – 120 is set to 4) Note AP INITIAL	0◀ : No data is sent out 3 : NEAX2400 IMS format 4 : NEAX1400 IMS format 6 : PMS (IMS format)	
	Number of characters per line to be printed out on No. 2 Port (when the 2nd data of CMD001–120 is set to 16/17) Note AP INITIAL	0 : Not used 2 : 80 characters	
123	Number of lines per page on No. 2 Port (when the 2nd data of CMD001–122 is set to 2) Note AP INITIAL	0◀ : No page 1 : No. of lines including space ʘ : within a page (depends on size 88 : of print paper used)	
124	Protocol on No. 2 Port (when the 2nd data of CMD001–120 is set to 4) Note AP INITIAL	0◀ : Not used 1 : Free wheel 6 : IMS procedure	
	Number of lines per page to be printed out on No. 2 Port (when the 2nd data of CMD001–122 is set to 2) Note AP INITIAL	0◀ : No page 1 : No. of lines to print within a page ʘ : 88 :	
125	Station Address (SA) of a message transmitted to No. 2 Port Note AP INITIAL	0◀ : Not used 1 : ASCII Code in BCD ʘ : 255 :	
126	Unit Address (UA) of a message transmitted to No. 2 Port Note AP INITIAL	0◀ : Not used 1 : ASCII Code in BCD ʘ : 255 :	
Note: Refer to Tables 3-1 through 3-5.			

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
127	Timer for detecting the terminal no answer on No. 2 Port Note (AP INITIAL)	0◀ : No data 1 : 255 :] 128 msec increments
131	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 2 Port Note (AP INITIAL)	0◀ : No page 1 :] 1 time 255 :] 255 times
132	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 2 Port Note (AP INITIAL)	0◀ : Not used 1 : 1 time 255 : 255 times
133	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 2 Port Note (AP INITIAL)	0◀ : Not used 1 : 1 time 255 : 255 times
134	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 2 Port Note (AP INITIAL)	0◀ : Not used 1 : 1 time 255 : 255 times
135	Delay before resending the Selecting Sequence when NAK is returned on No. 2 Port Note (AP INITIAL)	0◀ : Not used 1 : 255 :] 128 msec increments
136	Delay before resending the text when WABT is returned on No. 2 Port Note (AP INITIAL)	0◀ : Not used 1 : 255 :] 128 msec increments
138	Guard timer between texts on No. 2 Port Note	0◀ : 0-128 msec 1 : 128-256 msec 2 : 256-384 msec 3 : 384-512 msec 4 : 512-640 msec

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
140	Function of No. 3 Port Note AP INITIAL	0◀ : No function 4 : Not used 5 : Not used 16 : Printer 0 17 : Printer 1 24 : MCI
141	Priority for data processing on No. 3 Port Note	0◀ : 1st 1 : 2nd
142	Message format on No. 3 Port Note AP INITIAL	0◀ : No data is sent. 3 : Not used 4 : Not used 6 : Not used
	Number of characters per line to be printed out on No. 3 Port (when the 2nd data of CMD001-140 is set to 16/17) Note AP INITIAL	0 : Not used 2 : 80 characters
143	Number of lines per page on No. 3 Port (when the 2nd data of CMD001-142 is set to 2) Note AP INITIAL	0◀ : No page 1 : } No. of lines including space ? : } within a page (depends on size 88 : } of print paper used)
	Protocol on No. 3 Port Note AP INITIAL	0◀ : Not used 1 : Not used 6 : Not used
144	Number of lines per page to be printed out on No. 3 Port (when the 2nd data of CMD001-142 is set to 2) Note AP INITIAL	0 : No page 1 : } ? : } No. of lines to print within a page 88 : }
145	Station Address (SA) of a message transmitted to No. 3 Port Note AP INITIAL	0◀ : Not used 1 : } ? : } ASCII Code in BCD 255 : }
146	Unit Address (UA) of a message transmitted to No. 3 Port Note AP INITIAL	0◀ : Not used 1 : } ? : } ASCII Code in BCD 255 : }

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE		TITLE: SYSTEM FEATURES (2)
D001		
◀ : Initial Data		
DATA	1ST DATA FUNCTION	2ND DATA
147	Timer for detecting the terminal no answer on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
149	Timer for detecting the end of block on No. 3 Port Note AP INITIAL	0 ◀ : No data 1 : ? : 512 msec increments 255 :]
150	Timer for detecting non-data communication on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
151	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2 on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
152	Number of times to resend the Selecting Sequence when no answer in Phase 2 on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
153	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3 on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
154	Number of times to resend the Selecting Sequence when no answer in Phase 3 on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
155	Delay before resending the Selecting Sequence when NAK is returned on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]
156	Delay before resending the text when WABT is returned on No. 3 Port Note AP INITIAL	0 ◀ : Not used 1 : ? : Not used 255 :]

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀ : Initial Data

DATA	1ST DATA	2ND DATA
	FUNCTION	
158	Guard timer between texts on No. 3 Port Note	0 ◀ : 0-128 msec 1 : 128-256 msec 2 : 256-384 msec 3 : 384-512 msec 4 : 512-640 msec
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" (e.g., 555XXXX).
179	Number of CCH card provided in the system (This data should be assigned only for the center office for Centralized Billing-CCIS)	0 : Not used 1 : 1 CCH card 2 : 2 CCH cards 3 : 3 CCH cards 4 : 4 CCH cards
199	PMS - Send and receive PMS messages using Block Check Code (BCC)	0 : Without BCC 1 : With BCC
239	Direction for sending of billing information from the local office (This data should be assigned only for the center office for Centralized Billing-CCIS)	0 : Not used 1 : SMDR Terminal which is set to "4" by CMD001-80/100/120 2 : SMDR Terminal which is set to "5" by CMD001-80/100/120

Note: Refer to Tables 3-1 through 3-5.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

Table 3-1 through Table 3-5 show the quick reference data table for the SMDR, printer, PMS, and MCI.

Table 3-1 Quick Reference Data Table for SMDR (NEAX2400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	–	Data speed	2/3/4/5	1200/2400/ 4800/9600 bps
21	25	29	–	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	–	Data length	0◀/1	7/8 bits
23	27	31	–	Parity	0◀/1/2	None Parity/Even Parity/Odd Parity
80	100	120	–	Function	4/5 Note 2	SMDR
81	101	121	–	Priority for data processing	0◀	1st priority
82	102	122	–	Message format	3	NEAX2400 IMS format
83	103	123	–	Number of lines per page	0◀	Not used
84	104	124	–	Protocol	1	Free wheel
85	105	125	–	Station Address (SA)	48	0
86	106	126	–	Unit Address (UA)	33	!
87	107	127	–	Timer for detecting terminal no answer	0◀	Not used
89	109	129	–	Timer for detecting end of block	0◀	Not used
90	110	130	–	Timer for detecting non data communication	0◀	Not used
91	111	131	–	Number of times to resend Selecting Sequence when NAK is returned in Phase 2	0◀	Not used
92	112	132	–	Number of times to resend Selecting Sequence when no answer in Phase 2	0◀	Not used
93	113	133	–	Number of times to resend Selecting Sequence when NAK is returned in Phase 3	0◀	Not used
94	114	134	–	Number of times to resend Selecting Sequence when no answer in Phase 3	0◀	Not used
95	115	135	–	Delay before resending Selecting Sequence when NAK is returned	0◀	Not used
96	116	136	–	Delay before resending text when WABT is returned	0◀	Not used
98	118	138	–	Guard timer between texts	0◀	Not used

Note 1: The Port 3 cannot be used for the SMDR (NEAX2400 IMS Format).

Note 2: Use 2nd data=4 for either SMDR or PMS. If 2nd data=4 is assigned to Port 0 (1st data=80) for SMDR/PMS, assign 2nd data=5 to Port 1 (1st data=100) or Port 2 (1st data=120) for SMDR.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

Table 3-2 Quick Reference Data Table for SMDR (NEAX1400 IMS Format)

◀: Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	–	Data speed	2/3/4/5	1200/2400/ 4800/9600 bps
21	25	29	–	Stop bit length	0 ◀/1/2	1/1.5/2 bits
22	26	30	–	Data length	0 ◀/1	7/8 bits
23	27	31	–	Parity	0 ◀/1/2	None Parity/Even Parity/Odd Parity
80	100	120	–	Function	4/5 Note 2	SMDR
81	101	121	–	Priority for data processing	0 ◀	1st priority
82	102	122	–	Message format	4	NEAX2400 IMS format
83	103	123	–	Number of lines per page	0 ◀	Not used
84	104	124	–	Protocol	1	Free Wheel
85	105	125	–	Station Address (SA)	48	0
86	106	126	–	Unit Address (UA)	33	!
87	107	127	–	Timer for detecting terminal no answer	0 ◀	Not used
89	109	129	–	Timer for detecting end of block	0 ◀	Not used
90	110	130	–	Timer for detecting non data communication	0 ◀	Not used
91	111	131	–	Number of times to resend Selecting Sequence when NAK is returned in Phase 2	0 ◀	Not used
92	112	132	–	Number of times to resend Selecting Sequence when no answer in Phase 2	0 ◀	Not used
93	113	133	–	Number of times to resend Selecting Sequence when NAK is returned in Phase 3	0 ◀	Not used
94	114	134	–	Number of times to resend Selecting Sequence when no answer in Phase 3	0 ◀	Not used
95	115	135	–	Delay before resending Selecting Sequence when NAK is returned	0 ◀	Not used
96	116	136	–	Delay before resending text when WABT is returned	0 ◀	Not used
98	118	138	–	Guard timer between texts	0 ◀	Not used

Note 1: The Port 3 cannot be used for the SMDR (NEAX2400 IMS Format).

Note 2: Use 2nd data=4 for either SMDR or PMS. If 2nd data=4 is assigned to Port 0 (1st data=80) for SMDR/PMS, assign 2nd data=5 to Port 1 (1st data=100) or Port 2 (1st data=120) for SMDR.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

Table 3-3 Quick Reference Data Table for Printer

◀ : Initial Data

1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2	1200 bps
21	25	28	33	?Stop bit length	2	2 bits
22	26	30	34	Data length	0◀	7 bits
23	27	31	35	Parity	1	Even parity
80	100	120	140	Function	16/17	Hotel Printer 0/ Hotel Printer 1
81	101	121	141	Priority for data processing	1	2nd
82	102	122	142	Number of characters per line to be printed out	2	80 characters
83	103	123	143	Number of lines per page	0-88	See description of commands
84	104	124	144	Number of lines per page to be printed out	0-88	See description of commands
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
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: Port 3 can only be connected to the printer for which the RTS signal from the PN-AP00 is not needed.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

Table 3-4 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	–	Data speed	2/3/4/5	1200/2400/ 4800/9600 bps
21	25	29	–	Stop bit length	0◀/1/2	1/1.5/2 bits
22	26	30	–	Data length	0◀/1	7/8 bits
23	27	31	–	Parity	0◀/1/2	None Parity/Even Parity/Odd Parity
80	100	120	–	Function	4	PMS
81	101	121	–	Priority for data processing	0◀	1st priority
82	102	122	–	Message Format	6	PMS format (IMS format)
83	103	123	–	Number of lines per page	0◀	Not used
84	104	124	–	Protocol	6	IMS procedure
85	105	125	–	Station Address (SA)	49	1
86	106	126	–	Unit Address (UA)	33	!
87	107	127	–	Timer for detecting terminal/no answer	8	1 sec.
89	109	129	–	Timer for detecting the end of block	70	35 sec.
90	110	130	–	Timer for detecting non data communication	70	35 sec.
91	111	131	–	Number of times to resend the Selecting Sequence when NAK is returned in Phase 2	3	3 times
92	112	132	–	Number of times to resend the Selecting Sequence when no answer in Phase 2	15	15 times
93	113	133	–	Number of times to resend the Selecting Sequence when NAK is returned in Phase 3	3	3 times
94	114	134	–	Number of times to resend the Selecting Sequence when no answer in Phase 3	32	15 times
95	115	135	–	Delay before resending the Selecting Sequence when NAK is returned	24	3 sec.
96	116	136	–	Delay before resending the text when WABT is returned	24	3 sec.
98	118	138	–	Guard timer between texts	0◀	Not used

Note: Port 3 cannot be used for the PMS (IMS format).

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

Table 3-5 Quick Reference Data Table for VMS with MCI

◀: Initial Data

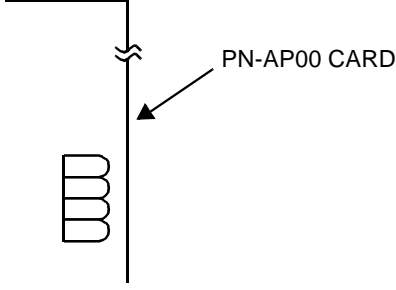
1ST DATA				MEANING	2ND DATA	MEANING
PORT 0	PORT 1	PORT 2	PORT 3			
20	24	28	32	Data speed	2/3/4/5	1200/2400/ 4800/9600 bps
21	25	29	33	Stop bit length	0 ◀ /1/2	1/1.5/2 bits
22	26	30	34	Data length	0 ◀ /1	7/8 bits
23	27	31	35	Parity	0 ◀ /1/2/ 3	None Parity/Even Parity/Odd Parity
80	100	120	140	Function	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 terminal/no answer	0 ◀	Not used
89	109	129	149	Timer for detecting end of block	5	512 msec.
90	110	130	150	Timer for detecting non data communication	0 ◀	Not used
91	111	131	151	Number of times to resend Selecting Sequence when NAK is returned in Phase 2	0 ◀	Not used
92	112	132	152	Number of times to resend Selecting Sequence when no answer in Phase 2	0 ◀	Not used
93	113	133	153	Number of times to resend Selecting Sequence when NAK is returned in Phase 3	0 ◀	Not used
94	114	134	154	Number of times to resend Selecting Sequence when no answer in Phase 3	0 ◀	Not used
95	115	135	155	Delay before resending Selecting Sequence when NAK is returned	0 ◀	Not used
96	116	136	156	Delay before resending text when WABT is returned	0 ◀	Not used
98	118	138	158	Guard timer between texts	0 ◀ 1 2 3 4	0-128 msec. 128-256 msec. 256-384 msec. 384-512 msec. 512-640 msec.

Note: Port 3 can only be connected to the VMS, which the RTS signal from the PN-AP00 is not needed.

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
176	Carriage Return (CR) and Line Feed (LF) provision for a printer using 80 or 136 characters on NEAX1400 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.
189	First digit of 5 digits station	0◀ : 0 ? : ? 9 : 9

COMMAND CODE		TITLE:																									
D001		SYSTEM FEATURES (2)																									
◀: Initial Data																											
1ST DATA		2ND DATA																									
DATA	FUNCTION																										
250	Function of OPE (No. 0-3) LED on the PN-AP00 card  <div style="text-align: center;">2ND DATA</div> <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: left;">OPELED</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> </tr> <tr> <td>L3</td> <td>No.3 port SD</td> <td>CS</td> <td>CS</td> <td>CS</td> </tr> <tr> <td>L2</td> <td>No.2 port SD</td> <td>CD</td> <td>CD</td> <td>CD</td> </tr> <tr> <td>L1</td> <td>No.1 port SD</td> <td>SD</td> <td>SD</td> <td>SD</td> </tr> <tr> <td>L0</td> <td>No.0 port SD</td> <td>RD</td> <td>RD</td> <td>RD</td> </tr> </table>	OPELED	0 ◀	1	2	3	L3	No.3 port SD	CS	CS	CS	L2	No.2 port SD	CD	CD	CD	L1	No.1 port SD	SD	SD	SD	L0	No.0 port SD	RD	RD	RD	0 ◀ : Indicates status of data transmission on each port. (See left column.) 1 : Indicates status of signal leads on No. 0 port. (See left column.) 2 : Indicates status of signal leads on No. 1 port. (See left column.) 3 : Indicates status of signal leads on No. 2 port. (See left column.) 4 : Not used
OPELED	0 ◀	1	2	3																							
L3	No.3 port SD	CS	CS	CS																							
L2	No.2 port SD	CD	CD	CD																							
L1	No.1 port SD	SD	SD	SD																							
L0	No.0 port SD	RD	RD	RD																							
252	Output unit for Direct Data Entry Note: This data is valid when CMD016-XX24 is set to "1".	0 ◀ : PMS 1 : Printer 2 : PMS and Printer																									

COMMAND CODE	TITLE: SYSTEM FEATURES (2)
D001	

◀: Initial Data

1ST DATA		2ND DATA																																																
DATA	FUNCTION																																																	
253	Printout format of Direct Data Entry	0 ◀: Printout format 1 1 : Printout format 2 (See left column)																																																
	<ul style="list-style-type: none"> Printout format 1 <table border="1" style="margin-left: 20px;"> <tr><td>1995</td><td>04/11</td><td>17:20</td><td>MON</td></tr> <tr><td>NO.</td><td>220</td><td></td><td></td></tr> <tr><td>CODE 1</td><td></td><td></td><td>1</td></tr> <tr><td>CODE 2</td><td></td><td></td><td>2</td></tr> <tr><td>CODE 3</td><td></td><td></td><td>2</td></tr> <tr><td>CODE 4</td><td></td><td></td><td>1</td></tr> </table> Printout format 2 <table border="1" style="margin-left: 20px;"> <tr><td>1995</td><td>04/11</td><td>17:20</td><td>MON</td></tr> <tr><td>NO.</td><td>220</td><td></td><td></td></tr> <tr><td>CODE</td><td></td><td></td><td>1</td></tr> <tr><td>QUANTITY</td><td></td><td></td><td>2</td></tr> <tr><td>CODE</td><td></td><td></td><td>2</td></tr> <tr><td>QUANTITY</td><td></td><td></td><td>1</td></tr> </table> <p>Note: This data is valid when CMD016-XX24 is set to "1", moreover CMD001-252 is set to "1" or "2".</p>	1995	04/11	17:20	MON	NO.	220			CODE 1			1	CODE 2			2	CODE 3			2	CODE 4			1	1995	04/11	17:20	MON	NO.	220			CODE			1	QUANTITY			2	CODE			2	QUANTITY			1	
1995	04/11	17:20	MON																																															
NO.	220																																																	
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CODE			1																																															
QUANTITY			2																																															
CODE			2																																															
QUANTITY			1																																															

CMD003

COMMAND CODE	TITLE:		
D003	TIME BLOCK ASSIGNMENT		
1. FUNCTION:			
This command is used to determine the Maximum number of Call Records for SMDR.			
2. PRECAUTION:			
None			
3. ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{D003} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(2 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(1-5 digits)} \end{matrix} + \boxed{\text{EXE}}$			
4. DATA TABLE:			
			◀: Initial Data
1ST DATA		2ND DATA	
DATA	FUNCTION		
29	Maximum number of Call Record for SMDR	0 ◀ : No limitation 1 : 1 call 2 : 2 12000 : 12000 calls	

COMMAND CODE	TITLE:
D004	OFFICE NUMBER ASSIGNMENT

1. FUNCTION:

This command is used to assign the office number of the calling party and the office number of the billing office for centralized billing.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + D004 + [DE] + 1ST DATA (1 - 2 digits) + [DE] + 2ND DATA (1 - 4 digits) + [EXE]

4. DATA TABLE:

1ST DATA		2ND DATA
DATA	FUNCTION	
55	Assignment of office number of calling party The office number is output to SMDR when the office number of calling party is not sent from the local office of the calling party. Note	X - XXXX: Office No. of calling party
56	Assignment of office number of billing office Note	X - XXXX: Office No. of billing office

Note: If using a leading digit(s) of 0 and 0 is required to print at the host terminal, enter "A" for each leading 0 to be printed. If the leading digit(s) 0 is not required to print at the host terminal, enter "0".

CMD012

COMMAND CODE	TITLE:										
D012	STATION GROUP NUMBER										
<p>1. FUNCTION:</p> <p>By CMD012, a Group Number is to be assigned to each station for sending the tenant information (01-63) to the SMDR Terminal.</p>											
<p>2. PRECAUTION:</p> <p>None</p>											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + D012 + DE + 1ST DATA (1-4 digits) + DE + 2ND DATA (3 digits) + EXE </p>											
<p>4. DATA TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 33%; padding: 5px;">1ST DATA</th> <th style="width: 33%; padding: 5px;">2ND DATA</th> <th style="width: 34%; padding: 5px;">REMARKS</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">X-XXXX : Station Number (1-4 digits)</td> <td style="padding: 5px;">XXX: Group Number (001-063)</td> <td></td> </tr> <tr> <td style="padding: 5px;">00-07 : ATTCON Number (2 digits)</td> <td></td> <td></td> </tr> </tbody> </table>			1ST DATA	2ND DATA	REMARKS	X-XXXX : Station Number (1-4 digits)	XXX: Group Number (001-063)		00-07 : ATTCON Number (2 digits)		
1ST DATA	2ND DATA	REMARKS									
X-XXXX : Station Number (1-4 digits)	XXX: Group Number (001-063)										
00-07 : ATTCON Number (2 digits)											
<p>Note: Assign Group Number 128 to stations in which a Group Number is not assigned.</p>											

COMMAND CODE	TITLE:										
D015	STATION SERVICE CLASSES										
<p>1. FUNCTION:</p> <p>This command is used to assign the class of service to each station and ATTCON. The class functions are assigned by CMD016.</p>											
<p>2. PRECAUTION:</p> <p>None</p>											
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + D015 + DE + 1ST DATA (1 - 4 digits) + DE + 2ND DATA (2 digits) + EXE </p>											
<p>4. DATA TABLE:</p> <div style="text-align: right; margin-bottom: 5px;">◀ : Initial Data</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%; padding: 5px;">1ST DATA</th> <th style="width: 33%; padding: 5px;">2ND DATA</th> <th style="width: 33%; padding: 5px;">REMARKS</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">X-XXXX : Station Number (1 - 4 digits)</td> <td style="padding: 5px;">XXX : Group Number (001-053)</td> <td></td> </tr> <tr> <td style="padding: 5px;">00 - 07 : ATTCON Number (2 digits)</td> <td></td> <td></td> </tr> </tbody> </table>			1ST DATA	2ND DATA	REMARKS	X-XXXX : Station Number (1 - 4 digits)	XXX : Group Number (001-053)		00 - 07 : ATTCON Number (2 digits)		
1ST DATA	2ND DATA	REMARKS									
X-XXXX : Station Number (1 - 4 digits)	XXX : Group Number (001-053)										
00 - 07 : ATTCON Number (2 digits)											

CMD016

COMMAND CODE		TITLE:																																	
D016		STATION FEATURES																																	
<p>1. FUNCTION:</p> <p>This command assigns the class functions for each class assigned by CMD015.</p>																																			
<p>2. PRECAUTION:</p> <p>None</p>																																			
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> <input type="text" value="ST"/> + D016 + <input type="text" value="DE"/> + 1ST DATA (4 digits) + <input type="text" value="DE"/> + 2ND DATA (0/1) + <input type="text" value="EXE"/> </p>																																			
<p>4. DATA TABLE:</p> <p style="text-align: right;">◀: Initial Data</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">1ST DATA</th> <th rowspan="2">2ND DATA</th> </tr> <tr> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>XX05</td> <td>Room status code sending to the PMS</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> <tr> <td>XX06</td> <td>Room status processing is executed by operations on Front Desk Terminal</td> <td>0 ◀ : No 1 : Yes</td> </tr> <tr> <td>XX07</td> <td>Message Waiting, Restriction Level, Wake-Up Message sending to PMS</td> <td>0 ◀ : No sent 1 : Sent</td> </tr> <tr> <td>XX16</td> <td>Sending of detail information of C.O. outgoing calls to SMDR Terminal/PMS which is set to "4" by CMD001-80/100/120</td> <td>0 : Not sent 1 ◀ : Send</td> </tr> <tr> <td>XX17</td> <td>Sending of detail information of C.O. outgoing calls to SMDR Terminal which is set to "5" by CMD001-80/100/120</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> <tr> <td>XX21</td> <td>Sending of detail information of Tie Line outgoing calls to SMDR Terminal which is set to "4" by CMD001-80/100/120</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> <tr> <td>XX22</td> <td>Sending of detail information of Tie Line outgoing calls to SMDR Terminal which is set to "5" by CMD001-80/100/120</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> <tr> <td>XX30</td> <td>Sending of detail information of C.O./Tie Line incoming calls to SMDR Terminal, which is set to "4" by CMD001-80/100/120</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> <tr> <td>XX31</td> <td>Send call information for C.O. outgoing calls through CCIS</td> <td>0 ◀ : Not sent 1 : Send</td> </tr> </tbody> </table> <p>Note: "XX" in the DATA column denotes the Station Class Number assigned by CMD015.</p>				1ST DATA		2ND DATA	DATA	MEANING	XX05	Room status code sending to the PMS	0 ◀ : Not sent 1 : Send	XX06	Room status processing is executed by operations on Front Desk Terminal	0 ◀ : No 1 : Yes	XX07	Message Waiting, Restriction Level, Wake-Up Message sending to PMS	0 ◀ : No sent 1 : Sent	XX16	Sending of detail information of C.O. outgoing calls to SMDR Terminal/PMS which is set to "4" by CMD001-80/100/120	0 : Not sent 1 ◀ : Send	XX17	Sending of detail information of C.O. outgoing calls to SMDR Terminal which is set to "5" by CMD001-80/100/120	0 ◀ : Not sent 1 : Send	XX21	Sending of detail information of Tie Line outgoing calls to SMDR Terminal which is set to "4" by CMD001-80/100/120	0 ◀ : Not sent 1 : Send	XX22	Sending of detail information of Tie Line outgoing calls to SMDR Terminal which is set to "5" by CMD001-80/100/120	0 ◀ : Not sent 1 : Send	XX30	Sending of detail information of C.O./Tie Line incoming calls to SMDR Terminal, which is set to "4" by CMD001-80/100/120	0 ◀ : Not sent 1 : Send	XX31	Send call information for C.O. outgoing calls through CCIS	0 ◀ : Not sent 1 : Send
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XX31	Send call information for C.O. outgoing calls through CCIS	0 ◀ : Not sent 1 : Send																																	

COMMAND CODE	TITLE: STATION FEATURES
D016	

◀ : Initial Data

1ST DATA		2ND DATA
DATA	MEANING	
XX32	Send call information for Tie Line outgoing calls through CCIS	0 ◀ : Not sent 1 : Send
XX42	Message Waiting Message sending to PMS	0 ◀ : Available 1 : Not available
XX43	Control of Restriction Message sending to PMS	0 ◀ : Available 1 : Not available
XX44	Wake-up Message sending to PMS	0 ◀ : Available 1 : Not available
XX45	Assignment the Administrative Station	0 ◀ : Not available 1 : Available
XX55	Sending of detail information of C.O./Tie Line incoming calls to SMDR Terminal, which is set to "5" by CMD001-80/100/120	0 ◀ : Not sent 1 : Send
XX58	Sending of detail information of incoming calls to CCIS	0 ◀ : Not sent 1 : Send

Note: "XX" in the DATA column denotes the Station Class Number assigned by CMD015.

CMD026

COMMAND CODE	TITLE: ROUTE INDEX FOR CALL CHARGE DEVELOPMENT
D026	

1. FUNCTION:

This command is used to assign a Development Table Number for each outgoing trunk route.

2. PRECAUTION:

Although actual charging is not determined by the PBX, it is necessary to program this command and CMD027 to get SMDR output.

3. ASSIGNMENT PROCEDURE:

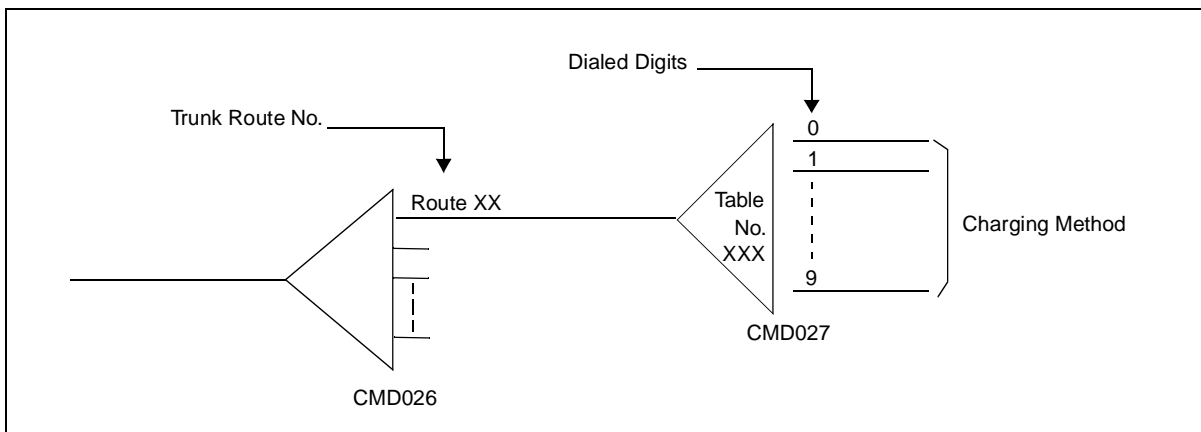
[ST] + D026 + **[DE]** + 1ST DATA (1 - 2 digits) + **[DE]** + 2ND DATA (1 - 3 digits) + **[EXE]**

4. DATA TABLE:

◀: Initial Data

1ST DATA	2ND DATA	REMARKS
XX : Outgoing Trunk Route No. (0 - 63)	XXX : Development Table No. (2 ◀ - 254)	

- 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:
D027	CALL CHARGE DEVELOPMENT TABLES

1. FUNCTION:

This command is used for assigning the charging method to each dialled digit on the basis of each Development Table designated by CMD026.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + D027 + [DE] + 1ST DATA (2 - 4 digits) + [DE] + 2ND DATA + [EXE]

4. DATA TABLE:

◀ : Initial Data

1ST DATA	2ND DATA						
<table border="0" style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;">XXX X</td> <td style="width: 10%;"></td> <td style="width: 80%;">Dialled digit (0 - 9, A(*), B(#)) Note</td> </tr> <tr> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;">Development Table No. (000 - 255)</td> </tr> </table>	XXX X		Dialled digit (0 - 9, A(*), B(#)) Note			Development Table No. (000 - 255)	<p>1 : Do not send to SMDR terminal</p> <p>XXX3 : Refer to next digit assignment [XXX: Next Development Table No. (000-255)]</p> <p>9◀ : Send to SMDR terminal</p>
XXX X		Dialled digit (0 - 9, A(*), B(#)) Note					
		Development Table No. (000 - 255)					

Note: The actual digits sent from a trunk should be assigned.

COMMAND CODE	TITLE:		
D031	ROOM STATUS CODE		
1. 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			
2. PRECAUTION:			
None			
3. ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{D031} + \boxed{\text{DE}} + \begin{matrix} \text{1ST DATA} \\ \text{(3 digits)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{2ND DATA} \\ \text{(0/1)} \end{matrix} + \boxed{\text{EXE}}$			
4. 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 is cancelled.		
X02	Do Not Disturb is set.		
X03	Do not Disturb cancelled.		
X04	Wake Up Call is cancelled.		
X05	Message Waiting Lamp is off.		
X06	Check In Time is set.		
X07	Check In time is cleared.		
X08	Restriction for Toll Call and International Call is set.		
X31	Dialing Room Status Code from guest room is permitted.		
X: Room Status Code to be set.			

COMMAND CODE	TITLE: ROOM STATUS CODE
D031	

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	31
1	Check In (Note)		/		/	/	/	/			
2	Check Out (Note)	/			/	/			/		
3	Under Cleaning	/		/					/		/
4	Cleaning Finished	/		/			/		/		/
5	Check Finished		/		/		/		/		/
6	Out of Service	/				/	/		/		/
7											
8											

Note: *The Room Status Codes for Check In and Check Out are to be assigned by means of CMD001 – 12 and – 13.*

CMD033

COMMAND CODE	TITLE: ROUTE INDEX FOR CALL DEVELOPMENT
D033	

1. FUNCTION:

This command is used to assign a Type of Call Identifying Development Table for each outgoing trunk route.

2. PRECAUTION:

Although the type of Call Identifier has no meaning for the U.S. market, this command and CMD034 must be assigned to get SMDR output.

3. ASSIGNMENT PROCEDURE:

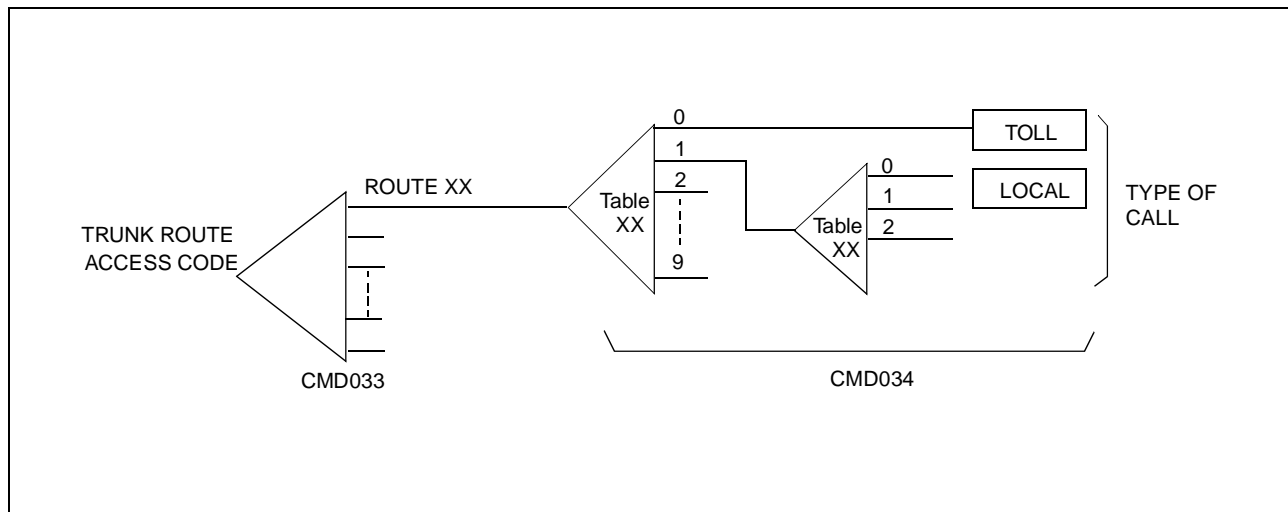
ST + D033 + DE + 1ST DATA (1-2 digits) + DE + 2ND DATA (1-3 digits) + EXE

4. DATA TABLE:

◀ : Initial Data

1ST DATA	2ND DATA	REMARKS
XX : Trunk Route Number (0 - 63)	XXX: Type of Call Development Table Number (0 ◀ - 127)	

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:
D034	CALL DEVELOPMENT TABLES

1. FUNCTION:

This command is used to assign Type of Call to the dialed digits on each Type of Call Identifying Table Number assigned by CMD033.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + D034 + [DE] + 1ST DATA (2 - 4 digits) + [DE] + 2ND DATA (2 - 4 digits) + [EXE]

4. DATA TABLE:

◀: Initial Data

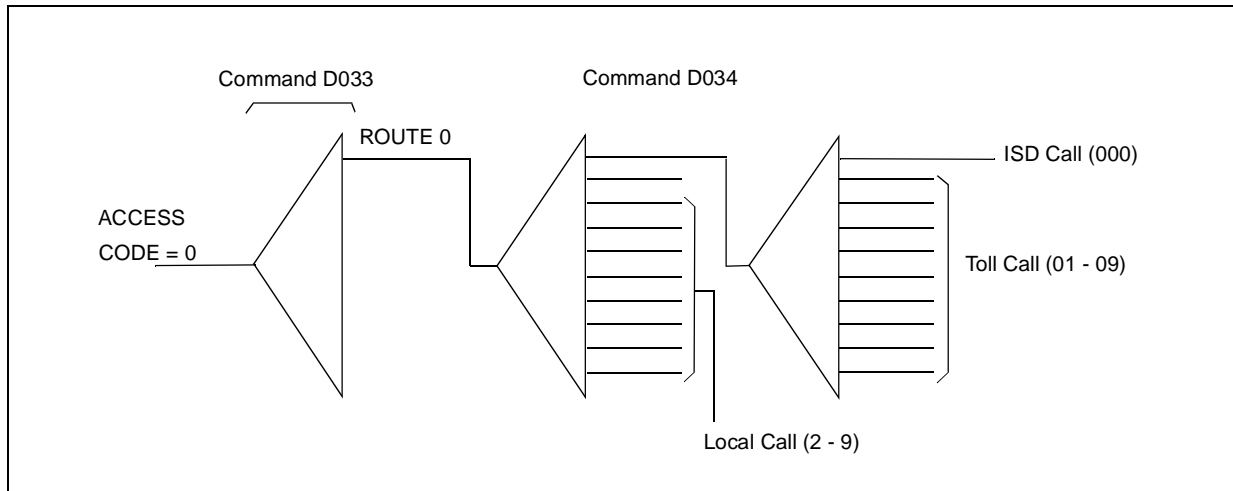
1ST DATA	2ND DATA	REMARKS
<p>XXX X</p> <p>└─ Dialed digit [0-9,A,(*), B(#)] Note 1</p> <p>└─ Call Development Table Number (0-127)</p> <p>Note 2</p>	<p>X1 : For assigning Type of Call</p> <p>1 ◀ : C.O. Call</p> <p>2 : Toll Call</p> <p>3 : International Call</p> <p>4]</p> <p>5]</p> <p>6] Unused</p> <p>7]</p> <p>8]</p> <p>9 : Tie Line Call</p>	

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.)

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	
1	Toll Call
09	
2	
1	Local Call
9	
9	

Trunk Route
to set: Route 0

2. Set "LOCAL CALL" to digit 2 - 9.

$\boxed{ST} + D034 + \boxed{DE} + XX + \boxed{DE} + 11 + \boxed{EXE}$

XX: 02 - 09

In No. 1 Call Development Table;

3. Set "ISD CALL" to digit 0.

$\boxed{ST} + D034 + \boxed{DE} + 10 + \boxed{DE} + 31 + \boxed{EXE}$

4. Set "TOLL CALL" to digit 1 - 9.

$\boxed{ST} + D034 + \boxed{DE} + XX + \boxed{DE} + 21 + \boxed{EXE}$

XX: 11 - 19

- **CMD033**
To Trunk Route 0, assign No. 0 Call Development Table.

$\boxed{ST} + D033 + \boxed{DE} + 0 + \boxed{DE} + 0 + \boxed{EXE}$

- **CMD034**
In No. 0 Call Development Table;

1. Set No. 1 Call Development Table to digit 0.

$\boxed{ST} + D034 + \boxed{DE} + 00 + \boxed{DE} + 10 + \boxed{EXE}$

COMMAND CODE	TITLE:
D035	DESIGNATION OF PRINTER

1. FUNCTION:

This command is used to designate the printer for printout by key operation at each Front Desk Instrument.

2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + D035 + [DE] + 1ST DATA (1 - 4 digits) + [DE] + 2ND DATA (0/1 Data) + [EXE]

4. DATA TABLE:

◀ : Initial Data

1ST DATA		2ND DATA
DATA	FUNCTION	
X ? XXXX	Front Desk Instrument (Multiline Terminal) Primary Extension Number assigned by CM 10 (FX - FXXXX).	0◀ : Printer 0 1 : Printer 1

COMMAND CODE	TITLE: SYSTEM DATA PARTIAL CLEAR	AP OFF LINE
D100		

1. FUNCTION:

This command is used to delete the data related only to the designated Command Code among the System Data for Billing and for assigning "0" as the data.

2. PRECAUTION:

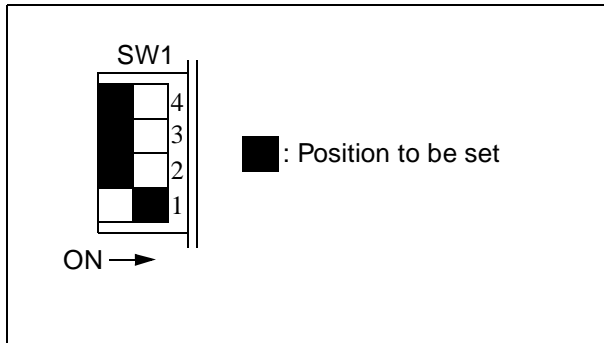
None

3. ASSIGNMENT PROCEDURE:

ST + D100 + DE + DXXX + DE + CCC + EXE

↓
 Command Code of the data to be deleted

Note: Before clearing the system data by this command, make the following switch setting on the PN-AP00 card.



COMMAND CODE	TITLE: SYSTEM DATA ALL CLEAR	AP OFF LINE
D101		

1. FUNCTION:

This command is used to delete all the System Data for Billing and for assigning the initial data.

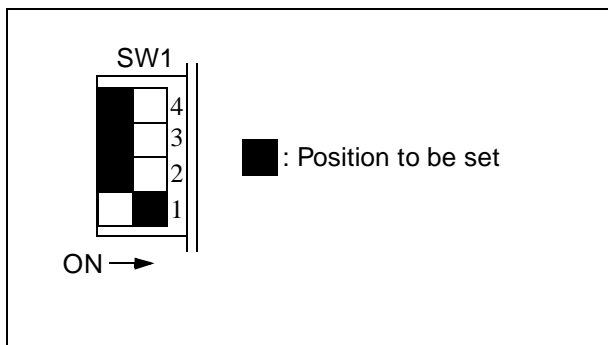
2. PRECAUTION:

None

3. ASSIGNMENT PROCEDURE:

[ST] + D101 + [DE] + 0000 + [DE] + CCC + [EXE]

Note: Before clearing the system data by this command, make the following switch setting on the PN-AP00 card.



COMMAND CODE	TITLE: ADDITIONAL MEMORY CLEAR	AP OFF LINE
D102		

1. FUNCTION:

When mounting additional memory (SRAM card), this command is used to delete its stored data.

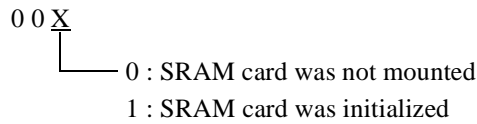
2. PRECAUTION:

None

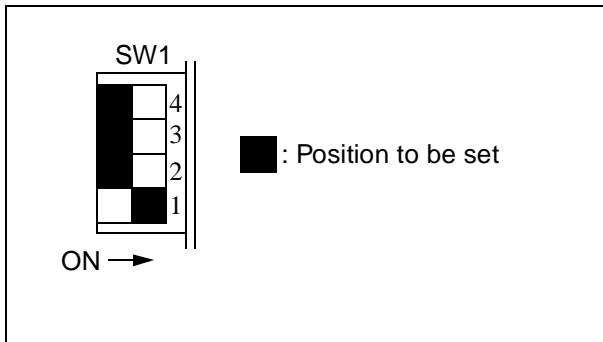
3. ASSIGNMENT PROCEDURE:

[ST] + D102 + [DE] + ⁰⁰⁰⁰_(4 digits) + [DE] + CCC + [EXE]

Note 1: By entering the 1st data "0000", the status of the additional memory (SRAM card) will display as follows:



Note 2: Before clearing system data by this command, make the following switch setting on the PN-AP00 card.



CHAPTER 4 RESIDENT SYSTEM PROGRAM

1. GENERAL

The 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.

2. PROCEDURE FOR LOADING THE RESIDENT SYSTEM PROGRAM

STEP 1 Mount the cards on PIMs.

STEP 2 Set SW3 of the MP card to "C".

STEP 3 Press SW1 of the MP card.

STEP 4 Confirm the status of MJ/MN lamp on the PWR card.

- When the MN lamp lights, the office data is normally registered.
- When the MJ lamp lights, the office data is not normally registered.
Repeat STEP 2 and STEP 3.

STEP 5 Set SW3 of the MP card to "0".

STEP 6 Press SW1 of the MP card.

3. SERVICE CONDITIONS

- (1) This service is applicable for equipment installed in PIM 0 through PIM 3.
- (2) Data for any vacant slot is not assigned.
- (3) Virtual stations are not assigned.
- (4) A line/trunk card (PN-AUCA/DK00/CFT) is not assigned, even if mounted.
- (5) An application card (PN-AP00/AP01/24DTA/SC00/SC01/ME00) 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 Table 4-1 through Table 4-11, the initial data is loaded by the Resident System Program.

RESIDENT SYSTEM PROGRAM

4. PROGRAMMED DATA TABLES

- Basic Service Feature (CM08)

The following data is assigned on a per service feature basis.

Table 4-1 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 ◀	FEATURE No.	DATA 0/1 ◀
012	1	050	1	101	1	150	1	221	1	264	1	379	1
014		051		102	0	151	1	222	1	265		380	
018		055		103	0	153	0	227	1	267		381	
021		056		104	1	155	1	228	0	268		382	1
025		057		109	1	156	0	232	1	269		390	0
026		058		110		157	1	233	0	270		391	1
028		062		111		158		234	1	271		394	
029		063	1	112		161		235	1	274		400	
032		067	1	113		162	1	236	1	280		401	
035		068	0	115		163	0	237	1	281		403	
036		069	1	116		165	1	238		282		405	
040		076		119		168		239		283		450	
043		094		123		171		241		284		451	1
044		095		124		172		244		286			
045		096	1	125		176		245		287			
048	1			128		177		246		293			
				130		178	1	250		294			
				133		179	0	251		311			
				135		180	1	252		319			
				136		181		253		322			
				137		183		254		324			
				138		185		255		331			
				139		187		259		333			
				141		193		262	1	334			
				142		194				352			
				143		199				353			
				145		200				357			
				146		201				359			
				147		204				361			
				148		205				362			
				149	1	206	1			363			
						208	0			366			
						212	1			369			
						214				370			
						215				371			
						216				372			
						217	1			378	1		

- Station Number, Trunk Number, Card Number (CM10)

The following data is assigned according to the sequential slot location number of the associated circuit cards.

Table 4-2 Station Number, Trunk Number, Card Number

CARD	PURPOSE	ASSIGNED DATA	REMARKS
PN-4LC	Single Line Telephone	200 – 455	Station Numbers 200 through 455 for Single Line Telephone and Multiline Terminal are assigned according to sequential slot location number of associated circuit card.
PN-4DLC PN-2DLCB	Multiline Terminal	F200 – F455	
PN-2DLCC	SN610 ATTCON	E004 – E007	
PN-4COT PN-2COT PN-2ODT	Trunk	D000 – D255	SN610 ATTCON Numbers E004 through E007 are assigned according to sequential slot location number of associated circuit card.
PN-8RST	DTMF Receiver	E200 – 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.
PN-2DAT	Digital Announcement Trunk	EB000 – EB031 (PIM0/1) EB032 – EB063 (PIM2/3)	
PN-CP03	DTMF Receiver	E200 – E203	

Note: *If the DSS Console is not connected to the system, though the PN-4DLC card is mounted in the slot, the data (F200-F455) for Multiline Terminal is assigned.*

RESIDENT SYSTEM PROGRAM

- Station Class Data (CM12, 13)

The following data is assigned on a per station basis.

Table 4-3 Station Class Data: Initial Data

CM10 STATION No. TRUNK No. CARD No. (1-5 DIGITS)	CM12												
	YY												
	00	01		02		03	04	05	07	12	13	16	
	0 ? 2	DAY 1 ? 8	NIGHT 1 ? 8	A 00 ? 15	B 00 ? 15	00 ? 15	00 ? 63	0/1	00 ? 15	x ? xxxx	00 ? 15	D000 ? D255	x ? xxxx
	3	1	1	15	15	15	01	1	15				
200	3	1	1	15	15	15	01	1	15				
201	3	1	1	15	15	15	01	1	15				
202	3	1	1	15	15	15	01	1	15				
456													

◀: Initial Data

CM10 STATION No. TRUNK No. CARD No. (1-5 DIGITS)	CM13																			
	YY																			
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	21	22	23	29
	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	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
201	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
202	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
456																				

- Number Plan (CM20)

The following data is assigned for access code of each service feature.

Table 4-4 Numbering Plan

CM20			
Y (0-3)	ACCESS CODE	SETTING DATA	SERVICE FEATURES
0	0	800	Operator Call
	11	046	Call Hold
	2, 3 or 4	803	First Digit of Three Digit Station Number
	50	A30	Internal Zone Paging Group 0 Group 1 Group 2 Group 3 Group 4 } For calling
	51	A31	
	52	A32	
	53	A33	
	54	A34	
	55	A38	Internal Zone Paging Group 0 Group 1 Group 2 Group 3 Group 4 } For answering
	56	A39	
	57	A40	
	58	A41	
	59	A42	
	5*	024	Automatic Wake Up/Timed ReminderSet
	5#	025	Cancel
	60	A63	Voice Call/Ring Tone Programming
	62	A10	Assignment of Station Name
	66	039	BGM on Multiline Terminal Set/Reset
	68	043	Day/Night Mode Change by Station Dialing
	6*	008	Call Park-System Set
	6#	009	Call Park-System Retrieve
	72	047	TAS Answer A
	73	021	Call Pickup – Direct
	74	020	Call Pickup – Group
	75	037	Call Pickup – Designated Group
	7*	065	Station Speed Dialing Entry
	7#	066	Cancel

RESIDENT SYSTEM PROGRAM

Table 4-4 Numbering Plan (Continued)

CM20			
Y (0-3)	ACCESS CODE	SETTING DATA	SERVICE FEATURES
0	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	081	Individual Trunk Access
	*1	004	Trunk Queuing – Outgoing Set
	#1	005	/Call Back Cancel
	*2	007	Camp-On by Station (Transfer Method)
	#2	A25	Camp-On by Station (Call Waiting Method)
	*4	006	Executive Override
	*5	010	Call Forwarding – All Calls Entry
	#5	011	Cancel
	*6	012	Call Forwarding – No Answer Entry
	#6	013	/Busy Line Cancel
	*7	018	Call Forwarding – Designation Entry
	#7	019	Cancel
	*8	022	Do Not Disturb Set
	#8	023	Cancel
	*9	040	MW Lamp Control Set
	#9	041	Reset
	**	069	Last Number Redial
	*#	085	Account Code Entry
	#*	064	Station Speed Dialing Origination
	##	067	System Speed Dialing Origination

- Trunk Data (CM30)

The following data is assigned according to the type of trunk card.

Table 4-5 Trunk Data

◀: Initial Data

CM30												
TYPE OF TRUNK CARD	YY											
	00	01	02	03	04	05	07	08	09	13	14	15
	00 ∩ 63	00 ∩ 63	00 ∩ 31	00 ∩ 31	X ∩ XXXX EBXXX	X ∩ XXXX EBXXX	000 ∩ 029		0/1	00 ∩ 62	00 ∩ 15	00 ∩ 15	00 ∩ 15
		01	31	31				1		15	15	15
PN-4COT	00	01	02	02	NONE	NONE		1	NONE	15	15	15
PN-2ODT	02	01	31	31	NONE	NONE		1	NONE	15	15	15

RESIDENT SYSTEM PROGRAM

Table 4-5 Trunk Data (Continued)

◀: Initial Data

CM30												
YY												
TYPE OF TRUNK CARD	16	17	18	19	28	30	31	32	33	34	35	37
		00 ⌋ 15	00 ⌋ 63	0/1	XXXX	XX	00 ⌋ 15	00 ⌋ 15	00 ⌋ 15	00 ⌋ 15	00 ⌋ 15	001 ⌋ 127	00 ⌋ 15
			1			15	15	15	15	15		15
PN-4COT	15	NONE	1	Note	NONE	15	15	15	15	15		15
PN-2ODT	15	NONE	1	Note	NONE	15	15	15	15	15		15

Note: C.O. Line Numbers (YY = 19) are assigned as follows:



- Trunk Route Data (CM35)

The following data is assigned on a trunk route basis.

Table 4-6 Trunk Route Data

CM35														
TRUNK ROUTE	NO. OF TRUNKS	ACCESS CODE	TRUNK KIND	YY/YYY										
				00	01	02	03	04	05	08	09	10	11	12
				00 ∩ 15	0 ∩ 7	0 ∩ 3	00 ∩ 63	1 ∩ 7	0 / 1	1 ∩ 3	00 ∩ 15	0 / 1	0 ∩ 3	0 ∩ 3
00		9	DDD	00	4	3	15	7	1	3	01	0	0	3
01		81	TIE (2W E&M)	04	4	3	15	2	1	3	03	1	3	3
02		82	TIE (4W E&M)	04	4	3	15	2	1	3	03	1	3	3
03		-	DID	00	4	1	00	2	1	3	03	0	3	3
04		83	FX	01	4	3	15	7	1	3	01	0	3	3
05		84	WATS	02	4	3	15	7	1	3	01	0	3	3
06		85	CCSA	03	4	3	15	2	1	3	03	0	3	3
07		86	PGT	05	4	3	15	7	0	3	15	0	3	3
08				15	7	3	15	7	1	3	15	1	3	3
09				∩										∩
10														
11														
12														
13														
14														
15														
16														
				15	7	3	15	7	1	3	15	1	3	3

RESIDENT SYSTEM PROGRAM

Table 4-6 Trunk Route Data (Continued)

CM35																TRUNK ROUTE
YY/YYY																
13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	32	
000 { 031	0 / 1	00 { 75	0 / 1	00 { 15	0 / 1	0 { 7	00 { 15	00 { 15	0 / 1	0 { 7	0 { 7	0 { 1	0 { 1	0 / 1	0 / 1	
NONE	1	NONE	1	15	1	7	15	02		7	7	1	1	1	1	00
	0						00									01
{	0	{	{	{	{	{	00	{	{	{	{	{	{			02
{	1	{	{	{	{	{	00	{	{	{	{	{	{			03
	1						02									04
	1						02									05
	0						00							op4		06
NONE	0	NONE	1	15	1	7	15	15	1	7	7	1	1			07
∖													∖	∖	∖	08
																09
																10
																11
																12
																13
																14
																15
																16
NONE	1	NONE	1	15	1	7	15	02	1	7	7	1	1	1	1	

Table 4-6 Trunk Route Data (Continued)

CM35																
TRUNK ROUTE	YY/YYY															
	33	34	39	40	43	44	45	46	49	51	52	53	54	55	56	57
	0 { 3	0 { 3	0 / 1	00 { 31	00 { 15	00 { 99	0 { 7	0 { 7	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1
00	3	3	1	31	15	NONE	7	7	1	1	1	1	1	1	1	1
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																
16																
	3	3	1	31	15	NONE	7	7	1	1	1	1	1	1	1	1

RESIDENT SYSTEM PROGRAM

Table 4-6 Trunk Route Data (Continued)

CM35																TRUNK ROUTE
YY/YYY																
58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	00
																01
																02
																03
																04
																05
																06
																07
																08
																09
																10
																11
																12
																13
																14
																15
																16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Table 4-6 Trunk Route Data (Continued)

CM35																
YY/YYY																TRUNK ROUTE
74	75	76	78	83	86	87	89	90	91	92	93	97	98	104	105	
0 / 1	0 / 1	00 / 15	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 7	0 / 3	0 / 7	00 / 15	XX	0 / 1	1 / 3	0 / 1	
1	1	15	1	1	1	1	1	7		7	15		1	3	1	00
																01
																02
																03
																04
																05
																06
																07
																08
																09
																10
																11
																12
																13
																14
																15
																16
1	1	15	1	1	1	1	1	7		7	15		1	3	1	

RESIDENT SYSTEM PROGRAM

- Attendant Group, Function (CM60)

The following data is assigned to SN610 ATTCONs provided.

CM60	
ATT NUMBER	YY = 00 (GROUP No.)
X	0

: ATT Group 0

- Tenant for Each ATT Group (CM62)

The following data is assigned to ATTCONs within ATT Group 0.

CM62	
TENANT NUMBER	Y = 0 (ATT GROUP)
00	1
01	0
02	1
03	1
∧	∧
63	1

: Not to be handled
 : To be handled
 : Not to be handled

- Memory Allocation for System Speed Dialing (CM71)
100 memory slots for System Speed Dialing are assigned for Tenant 01.

Table 4-7 Memory Allocation for System Speed Dialing

CM71		
KIND OF CALLING PARTY	DATA	
	1ST MEMORY SLOT No. (000 – 299)	SLOT No. (001 – 100)
00	000	100
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		

RESIDENT SYSTEM PROGRAM

- Memory Allocation for Station Speed Dialing [CM73]
10 memories are assigned to Single Line Telephones individually.

Table 4-8 Memory Allocation for Station Speed Dialing

CM73					REMARKS
TYPE OF TERMINAL	SETTING DATA				
	1000 SLOTS MEMORY BLOCK (0 – 4)	10 SLOTS MEMORY BLOCK IN THE TOP (00 – 99)	POSSIBLE/NOT POSSIBLE OF REGISTRATION (0/1)	NUMBER OF 10 SLOTS MEMORY BLOCK (01 – 10)	
Single Line Telephone	0	XX	0	01	10 memories

Note: *The memory allocation by CM73 is not performed for the Multiline Terminal.*

- Multiline Terminal Line Key Data (CM90)

The following data is assigned according to the type of terminal.

Table 4-9 Multiline Terminal Line Key Data

◀: Initial Data

CM90													REMARKS			
PRIMARY EXTEN- SION No.																
	KEY No.	YY = 00	YY = 01	YY = 03	YY = 05	YY = 00	YY = 01	YY = 03	YY = 05	YY = 00	YY = 01	YY = 03		YY = 05		
01	DXXX	1	1	1												
02	)	|	|	|											
03																
04					DXXX											
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																
16					XXX	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: XXX represents Primary Extension Number (200 – 455).

RESIDENT SYSTEM PROGRAM

- Prime Line (CM93)

As shown in Table 4-10, Primary Extension Number is assigned to Prime Line for all Multiline Terminals.

Table 4-10 Prime Line

CM93		REMARKS
PRIMARY EXTENSION NUMBER (1 – 4 DIGITS)	SETTING DATA (6 DIGITS)	
XXX	XXX	Note: <i>XXX represents Primary Extension Number (200 – 455).</i>

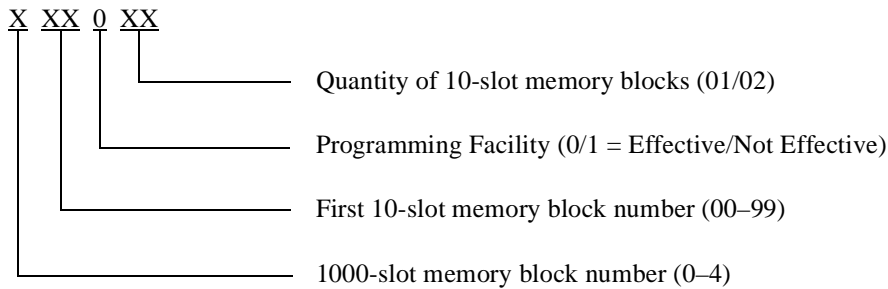
- Memory Allocation for Multiline Terminal One-Touch Memory [CM94]

The following data is assigned on a per Multiline Terminal, with DSS key, basis.

Table 4-11 Memory Allocation for One-Touch Key

CM94		REMARKS
PRIMARY EXTENSION NUMBER (1 – 4 DIGITS)	SETTING DATA (6 DIGITS)	
XXX	XXX0XX	Note 1

Note 1: “XXX0XX” is assigned for each Primary Extension Number (XXX: 200 — 455) as follows:



Note 2: If a Multiline Terminal is not connected to the system, though the DLC card is mounted in the slot, the data for the Multiline Terminal with 20 one-touch keys is assigned.

This page is for your notes.