

NEC

ND-43177-005 (E)
ISSUE 4

NEAX[®] 1400 IMS

System Programming Manual

NEC America, Inc.

OCTOBER, 1991

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
ISSUE No.	192	193	194	195	196	197	198	199	200	201	202	203	204	205
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
ISSUE No.	262	263	264	265	266	267	268	269	270	271	272	273	274	275	
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
ISSUE No.	234	235	236	237	238	239	240	241	242	243	244	245	246	247	
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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
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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1	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

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4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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NEAX1400 IMS System Programming Manual

Revision Sheet 7/9

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2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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NEAX1400 IMS
 System Programming Manual

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CHAPTER 1 INTRODUCTION

1. PURPOSE

This manual provides descriptions on programming System Data and designing the system layout required for customizing the NEAX1400 IMS. Before performing the installation, fill in the system data sheet and draw the system layout and floor layout in this manual, according to the customer's requirements.

2. OUTLINE OF THE MANUAL

This manual consists of seven chapters, which are organized as follows.

CHAPTER 2 (DESCRIPTION OF MAT AND CAT): This chapter provides information for the Maintenance Administration Terminal (MAT) and Customer Administration Terminal (CAT) programming of the NEAX1400 IMS. The MAT and CAT are the man-machine interfaces.

CHAPTER 3 (INFORMATION FOR DATA PROGRAMMING): This chapter provides information about the data programming procedure, command reference table, and precautions necessary for data programming.

CHAPTER 4 (CUSTOMIZING DATA): This chapter provides the various tables for customer specifications (i.e. numbering plan, station data and trunk data, etc.) and sheets for designing the system layout.

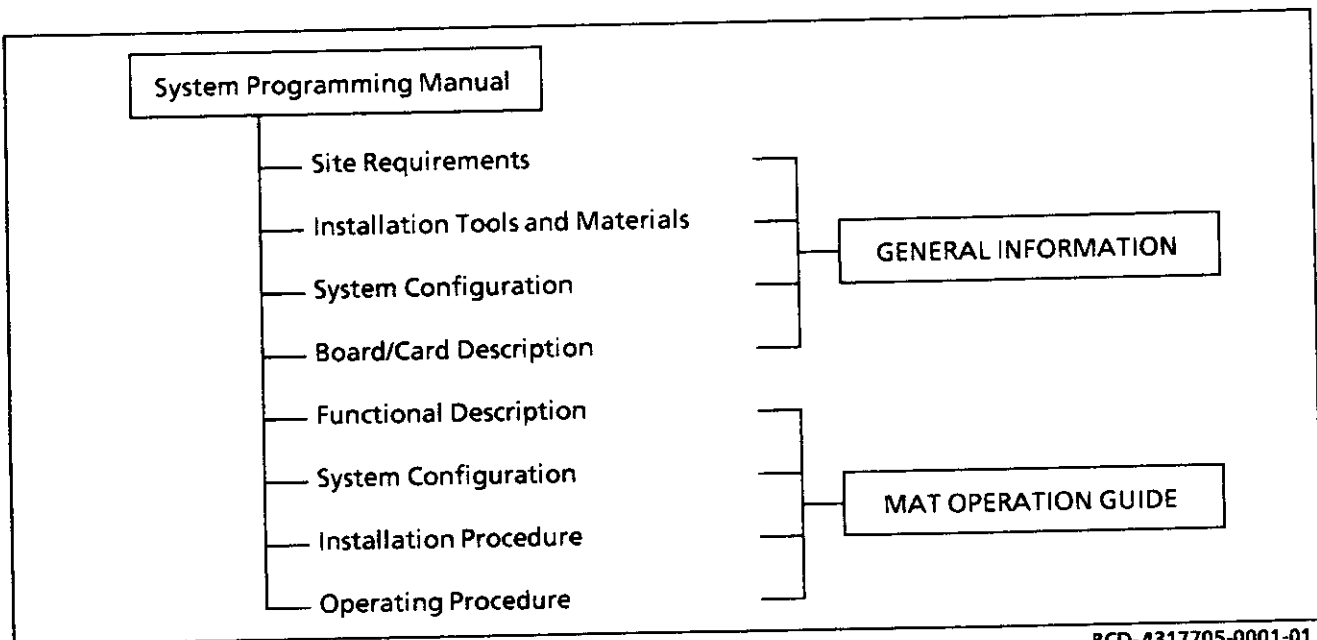
CHAPTER 5 (JOB SPECIFICATION): This chapter provides detailed descriptions of each command. It also provides the System Data programming sheets, on a per-command basis.

CHAPTER 6 (SWITCH SETTING DIAGRAMS): This chapter provides switch setting tables for the boards and cards which are installed into the system.

CHAPTER 7 (RESIDENT SYSTEM PROGRAM): This chapter provides detailed information on the Resident System Program (i.e. specifications and programming data).

3. REFERENCE MANUAL

In the course of data programming, other manuals are required to obtain information, as shown below:



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Figure 1-1 Reference Manual for Data Programming

CHAPTER 2 DESCRIPTION OF CAT AND MAT

1. GENERAL

This chapter provides an outline on the Customer Administration Terminal (CAT) and Maintenance Administration Terminal (MAT) which are used as the man-machine interfaces for programming the NEAX1400 IMS. It also includes procedures for using the CAT.

2. OUTLINE OF CAT AND MAT

By changing it's function from a station to a CAT, the Multiline Terminal functions as the man-machine interface to the NEAX1400 IMS. As shown in Figure 2-1, Multiline Terminals (ETE-16D-2 TEL/ETE-6D-2 TEL) may be used as CATs.

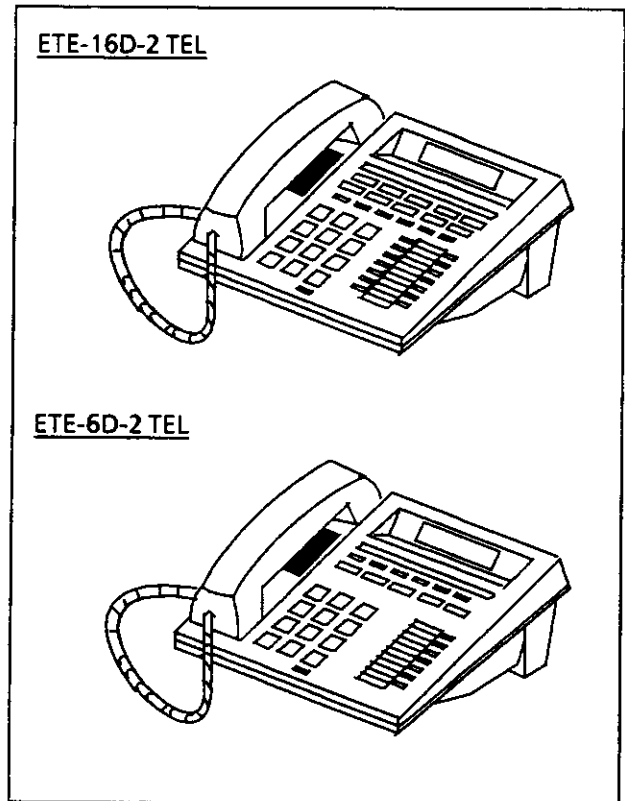
The MAT is a personal computer, such as a Multispeed (PC-16-01/PC-16-02, PC-16-03) APC IV Power Mate 1/2 or IBM PC-XT/AT, and interfaces with the system via an MP Board.

For further details, refer to the appropriate MAT OPERATION GUIDE [ND- 43654 (E), ND-44248 (E)].

3. HOW TO USE THE CAT

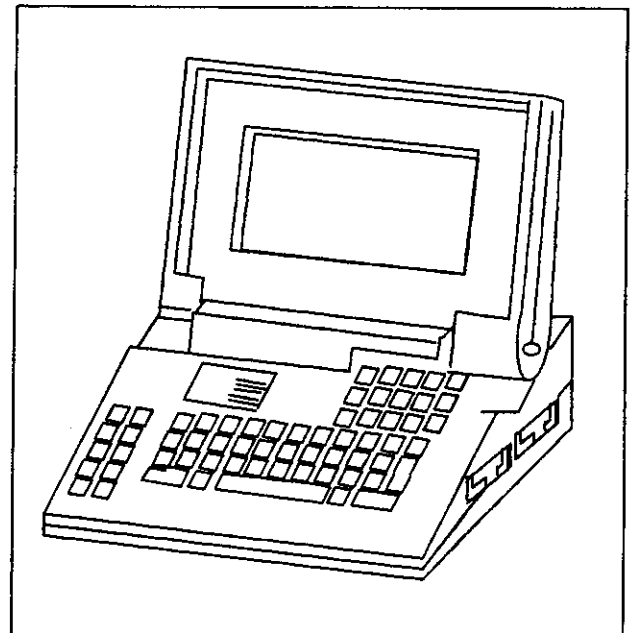
3.1 Explanation of each key on a CAT

In the CAT mode, each key on the Multiline Terminal (ETE-16D-2 TEL/ETE-6D-2 TEL) is automatically assigned as shown in Figure 2-4 and Figure 2-5. Table 2-1 and Table 2-2 show the meaning of each function key and digit key, respectively.



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Figure 2-1 CAT (ETE-16D-2 TEL/ETE-6D-2 TEL)



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Figure 2-2 MAT (Multispeed)

3.2 Procedure for Setting the CAT mode

To set CAT mode:

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

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

To reset CAT mode:

While “COMMAND= –” is displayed on LCD:

1. Lift handset (Off Hook)
– SRKR lamp extinguishes.
2. Replace handset (On Hook)
– CNF, ANS lamps extinguish.
– LCD returns to clock.

3.3 Notice on CAT mode

- (1) The CAT can be used while the system is on-line. Therefore system data clear commands (CM00, CM01) cannot be accessed from the CAT.
- (2) To use the CAT after clearing all System Data, perform the following operations on the system:
 1. Plug the PK-2DLC card into the LT00 slot of PIM0.

2. Connect the CAT (Multiline Terminal) to LEN “0000” at the MDF.
3. Set SW3 on the MP board to “B”
4. Depress the RESET Switch on the MP board (System Data All Clear).
5. Set SW3 on the MP board to “0”, and depress RESET Switch (On-Line mode).
6. Set the CAT mode on the Multiline Terminal.

(3) During CAT mode, do not change or delete the following data:

- Command 10, Primary Extension 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 may be used as CATs *at the same time* is limited to two.

3.4 Operating Method

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

- Command Code
- First Data
- Second Data.

The following steps are used when entering data:

(a) Operation for confirming the existing office data

ST + Command Code + **DE** +
First Data + **DE**

When the above entry is completed, the current second data is displayed on the LCD. If the second data is not assigned, either the initial data value or “NONE” is displayed.

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

ST + Command Code + **DE** +

First Data + **DE** +

Second Data + **DE** + **EXE**

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

- (c) Use of the **S** and **-** buttons:

- If the **S** button is depressed after setting the second data (after the **EXE** key has been depressed), the next "first data" will be displayed.

- If the **-** button is depressed after setting the second data (after the **EXE** key has been depressed), the last "second data" will be displayed.

- (1) See Table 2-3 for the Assignment Operation for Station Number 300 assigned to LEN 0000 and Station Number 301 assigned to LEN 0001, by Command 10.

Table 2-3 Assignment Operation

STEP 1	Set the CAT mode (see procedures 1 to 6 in Section 3.2)	CAT MODE	
STEP 2	Depress ST .	COMMAND=	
STEP 3	Enter "10" (Command Number)	COMMAND= 10	
STEP 4	Depress DE .	COMMAND= 10 10 >	
STEP 5	Enter "0000" (LEN Number).	COMMAND= 10 10 > 0000	
STEP 6	Depress DE .	10 > 0000 10 > 0000:NONE-	Note 1 next page
STEP 7	Enter "300" (Station Number).	10 > 0000 10 > 0000:NONE-300	
STEP 8	Depress EXE .	10 > 0000:NONE-300 OK	
STEP 9	Depress DE .	OK 10 > 0000:300-	Note 2 next page
STEP 10	Depress S .	10 > 0000:300- 10 > 0001:NONE-	Note 1 next page
STEP 11	Enter "301" (Station Number).	10 > 0000:300- 10 > 0001:NONE-301	
STEP 12	Depress EXE .	10 > 0001:NONE-301 OK	
STEP 13	Depress DE .	OK 10 > 0001:301-	Note 2 next page
STEP 14	On-Hook and Off-Hook	12:55 PM THU 21	(Example)

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Note 1: When no data exists, "NONE" is displayed. When data exists, that data is displayed.

Note 2: This **DE** operation is for confirming the data assignment, and may be omitted.

(2) Example of operating steps for correcting the data entry:

- In step 5 in Table 2-3, when **DE** has been depressed after entering "0001", depress **CE**. The state returns to step 4.

STEP 1 Command 10 has been entered and **DE** has been depressed.

COMMAND= 10 10> _____

STEP 2 "0001" has been entered instead of the intended "0000".

COMMAND= 10 10> 0001 _____

STEP 3 "0001" has been assigned as the first data after depressing **DE**.

10> 0001 10> 0001:NONE- _____

STEP 4 When depressing **CE**, the state returns to step 1.

10> 0001:NONE- 10> _____

STEP 5 Enter "0000".

10> 0001:NONE- 10> 0000 _____

STEP 6 Depress **DE**, and assign the correct first data.

10> 0000 10> 0000:NONE- _____

- If, in Step 11 in Table 2-3, when "302" has been entered instead of "301", depress **←**. The cursor moves to the "2".

STEP 1 In STEP 11, enter "302" instead of "301".

10> 0000:300- 10> 0001:NONE-302

STEP 2 Depress **←**.

10> 0001:NONE-302 10> 0001:NONE-30__

STEP 3 Depress digit key "1".

10> 0001:NONE-302 10> 0001:NONE-301
--

(3) Example of canceling Station Number "300" assigned to LEN "0000".

STEP 1 Set the CAT mode.

CAT MODE

STEP 2 Depress **ST**.

COMMAND=____

STEP 3 Enter "10" (Command Number).

COMMAND=10____

STEP 4 Depress **DE**.

COMMAND=10
10>____

STEP 5 Enter LEN "0000".

COMMAND=10
10>0000____

STEP 6 Depress **DE**.

10>0000
10>0000:300-____

STEP 7 Enter "CCC".

10>0000
10>0000:300-CCC

STEP 8 Depress **EXE**.

10>0000:300-CCC
OK____

STEP 9 Depress **DE**.

OK
10>0000:NONE-____

3.5 Error Messages

messages and their meanings are shown in Table 2-4, below.

If an erroneous operation is performed while using the CAT, or incorrect data is entered, an error message will be displayed on the LCD. Error

Table 2-4 Error Messages

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
DIGIT ERROR	The number of digits entered is incorrect.	Depress "ST" or "CE" and enter the correct data.
DATA ERROR	The value of the entered data is incorrect, or the password has not been entered.	Same as above.
CODE NOT USED	The command code entered is not in use, or the password has not been entered..	Same as above, or if a password is required, use CM03.
DATA NOT FOUND	The Station Number has not been assigned.	Same as above.
WAIT BUSY NOW	The station or trunk to be changed is busy.	Wait until the station or trunk becomes idle .
ASSIGNED ALREADY	This error message is displayed when the digit string entered has already been used (in part or as a whole) for another service access code; for example, attempting to assign "12" when "123" has already been assigned.)	Depress "ST" or "CE" and enter the correct data.
HARDWARE ERROR	Unable to read or write to memory.	Replace the MP board or MEM board with a spare, and check the switch setting on the MP board.
WD ERROR	SW2-1 on the MP board is in the OFF (WD) position.	Set SW2-1 to ON (WE) position.
WRONG	The data stored in the memory is incorrect.	Clear the present data by entering "CCC", or enter the correct data.

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Table 2-4 Error Messages (Continued)

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
SEE CMXX YYYY	The station number or trunk has already been assigned.	The Station Number intended is already assigned to First Data of CMxx. Confirm.
USE CMXXXX	The data is already assigned by another command.	The Command Number and YY Number already assigned are displayed. Confirm.
TRK NOT ASSIGNED	The designated trunk is not assigned.	Assign the trunk with Command 10.
xx>xxx: ERROR	The first data has been changed by "S" or "-" button, but the station corresponding to that first data is not assigned.	Change the first data by "S" or "-" button, or reenter the first data by "CE".

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CHAPTER 3 INFORMATION FOR DATA PROGRAMMING

2. DATA PROGRAMMING PROCEDURE

1. GENERAL

This chapter provides information on data programming, a command reference table, and precautions on data programming.

Table 3-1 shows the procedures related to data programming for the system. The data (programmed in this manual) is entered into the system through the MAT (see NAP- 200-009 in the Installation Manual).

Table 3-1 Data Programming Procedure

STEP	WORK	REMARKS
1.	Ascertain the customer's requirements, and fill in the Customer Specification in Chapter 4.	
2.	Allocate the LC, TRUNK and other interface cards in the Port Assignment Table in Chapter 4. Complete a Bay Face Layout, based on the information in Chapter 4, for accommodating boards required in the system.	
3.	Fill in the Data Programming sheets, in Chapter 5, per the Customer Specification, Port Assignment Table and Bay Face Layout completed in steps 1 and 2.	For programming methods and detailed information on the Commands, refer to the command description in Chapter 5.
4.	Ensure that the data in the Programming Sheets is correct, and consistent with the Customer Specification.	
5.	Specify the switch settings on the boards, using the Switch Setting Table in Chapter 6.	For the function of each switch on the boards, refer to the General Information manual.

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3. COMMAND REFERENCE TABLE

3.1 List of Commands

Table 3-2 lists each command and its purpose.

Table 3-2 List of Commands

COMMAND		REMARKS
CODE	FUNCTION	
00	System Data Memory All Clear	For HA-610Z ATTCON
01	System Data Memory Partial Clear	
02	Setting of System Clock	
03	Log in/Log out of Password Mode	
04		
05	Board Assignment	
06	ATTCON/MISC Trunk Number Assignment	
07	DTI Trunk Number 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	
14		
15	Service Restriction Class	
16	Call Pickup Group/Group Diversion Group	
17	ACD/UCD Group	
18	Station Hunting Group	
19	Secretary/Group Diversion Station Number	
1A	Data Station Number	
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	

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Table 3-2 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
27		
28		
29	Numbering Plan Tenant Group	
2A	ID Code Assignment with MP	
30	Trunk Data	
31		
32		
33		
34		
35	Trunk Route Data	
36	Restriction Data for Tandem Connection	
37		
38		
39		
40	Function of RS-232C Interface Circuit	For PJ-CP01/AP00 Board
41	System Timer Data	
42	System Counter Data/Trunk Restriction Class Conversion	
43		
44	External Equipment Starting Condition	For PK-DK01 Card
45	Purpose of PBR/CFT	
46	ATTCON Call Selection Keys	} For HA-610Z ATTCON
47	ATTCON Function Keys	
48	Hold Tone Sending Pattern	
49	Voice Recording Memory Card	For PK-ME01 Card
50	Listed Directory Number Display/Voice Mail Additional Digits	
51	Automatic Transfer Destinations	
52	Hot Line	
53	Trunk Answer Any Station Restriction	
54		
55		

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Table 3-2 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
56	Intercom/Zone Paging Group	For PK-DK01 Card
57		
58	LDN Diversion	
59	TAS/UCD Relay Indication Pattern	
60	Attendant Group, Functions	For HA-610Z ATTCON, SN610 ATTCON
61	External Key Function	For PK-DK01 Card
62	Tenants for Each ATT Group	For HA-610Z ATTCON, SN610 ATTCON
63	Restriction of Inter-Tenant Connection	
64	Automated Attendant	
65	Service Features on Tenant Basis	
66		
67		
68		
69		
70		
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	
75		
76	Digit Conversion on DID Call	
77	Station/Trunk Name Assignment	
78		
79		
80	Toll Restriction Pattern	
81	Toll Restriction Pattern for Each Trunk Restriction Class	
82		
83		
84		

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Table 3-2 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
85	Maximum Digits on C.O. Calls	
86		
87		
88	Automatic Pause Entry	
89		
8A	LCR/Toll Restriction Development Table	
90	Multiline Terminal/Add-On Module/SN610 ATTCON Key Assignment	
91		
92		
93	Prime Line	
94	Multiline Terminal One-touch Memory	
95		
96	DSS Console Number	
97	DSS Console Key Assignment	
98	Add-On Module Number	
99		
A0	Type of Data Adapter	
A1	Data Terminal Attribute Data	
A2	Modem Group Number	
A3	Modem Group Attribute Data	
A4	Key Board Dialing AP01	
A5	Nailed Down Connection	
A6	ACD-MIS AP-ACDB Data	
A7	CCIS Channel Data	
A8	CCIS Routing Label Assignment	
A9		
AA	DTI Functions	
B0	PEG Count	Used for maintenance
B1		Used for maintenance
B2		
B3	UCD PEG Count	

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Table 3-2 List of Commands (Continued)

COMMAND		REMARKS
CODE	FUNCTION	
B4		
B5		
B6		
B7		
B8		
B9		
C0		
C1		
C2		
C3		
C4		
C5		
C6		
C7		
C8		
C9		
D0		} For PJ-AP02 Board
D1		
D2		
D3		
D4		
D5	ID Code Assignment with AP02	
D6	ID Code All Clear with AP02	
D7		
D8		
D9	Memory Card Function	For PK-ME00 Card
E0	Initialization	Used for Maintenance
E1	MP ROM Data Display	Used for Maintenance
E2		
E3		
E4		

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Table 3-2 List of Commands (Continued)

COMMAND		REMARKS	
CODE	FUNCTION		
E5	Station, Trunk Make Busy	Used for Maintenance	
E6			
E7			Password Level
E8			
E9				Password Code
F0	MP Memory Dump		
F1	MP Memory Read/Write		
F2	FP Memory Dump		
F3	FP Memory Read/Write		
F4			
F5	Line/Trunk Memory/Alarm Memory Read		
F6			
F7			
F8			
F9			

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3.2 Quick Reference Table of Commands Required for Features

This section provides a quick reference table of various commands related to each feature.

Note: *The following table is a list of commands for each feature. "F" and "S" represent First Data (F) and Second Data (S), respectively. For more details, refer to the Command Description of the associated command.*

Table 3-3 List of Commands for Each Feature

F: First Data
 S: Second Data
 -: No Data

For Business System		COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
FEATURE	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		
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	F/S		
65	50, 51	F/0			
Answer Key	12	02	F/S		
	15	72	F/0		
Attendant-Assisted Calling	08	-	018, 048, 142, 143/S		
	20	0-3	F/800		
	60	00, 01	F/S		
	62	0-3	F/0		
Attendant Camp-On	08	-	068/S		
	41	0	00/S		

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Attendant Console (HA-610Z ATTCON)	05	–	F/01	
	06	01	F/S	
	30	02, 03	F/14	
	46	–	F/S	
	47	–	F/S	
	60	00, 01	F/S	
	62	0–3	F/S	
• Attendant Busy Lamp Field	08	–	207/S	
	60	26	F/S	
• Attendant Called/Calling Number	–	–	–	
• Attendant Call Selection	35	15	F/S	
	46	–	F/S	
• Attendant Console Lockout	08	–	353/S	
• Attendant Do Not Disturb Setup and Cancel	–	–	–	
• Attendant Interposition Call- ing/Transfer	06	01	F/S	
	08	–	143/S	
	20	0–3	F/095	
	46	–	F/74	
• Attendant Lamp Check	–	–	–	
• Attendant Listed Directory Number	08	–	204, 205/0	
	35	15	F/S	
	46	–	F/S	
	50	01, 02	F/S	
	58	00–09	F/S	
• Attendant Loop Release	08	–	014/0	
• Attendant Training Jack	–	–	–	
• Audible Indication Control	–	–	–	
• Call Processing Indication	–	–	–	
• Call Queuing	42	–	00/S	
• Call Splitting	–	–	–	
• Call Waiting LED	42	–	00/S	
• Common Route Indial	08	–	204, 205/0	
	46	–	F/S	
	50	01	F/S	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System		COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
SERVICE FEATURE	CODE	Y-YYY			
• Common Route Indial	58	00-09	F/S		
• Incoming Call Identification	-	-	-		
• Individual Trunk Access	20	0-3	F/081		
	30	19	F/S		
• Multiple Console Operation				Refer to HA-610Z ATTCON	
• Pushbutton Calling-Attendant Only	35	01	F/7		
• Serial Call	46	-	F/62		
	47	-	F/05		
• Time 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 Console (SN610 ATTCON)	10	-	F/S		
	30	02, 03	F/14		
	60	00, 01, 07	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		
• Attendant Called/Calling Number	77	0-3	F/S		
	-	-	-		
• 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		

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Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• 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	
• Attendant Loop Release	08	—	014/0	
• Attendant Programming	08	—	229/S	
	20	0-3	F/A56	
	60	30	1/S	
	90	00	F/6111	
• 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	
• Incoming Call Identification	—	—	—	
• Individual Trunk Access	20	0-3	F/081	
	30	19	F/S	
• Multiple Console Operation				Refer to SN610 ATTCON
• 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	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System		COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
FEATURE	CODE	Y-YYY			
• 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		
Attendant Override	08	-	012, 045, 076/S		
	12	02	F/S		
	15	09	F/1		
	20	0-3	F/081		
	30	19	F/S		
	47	-	F/07		
	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		

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND	REMARKS
	CODE	Y-YYY	DATA (F/S)	
Automated Attendant	08	—	180, 359, 363/S	
	10	—	F/S	
	20	0-3	F/A00-A02	
	30	02,03, 30-33	F/S	
	41	0	34, 39, 43/S	
	45	2	F/0	
	48	2	06/S	
	49	00-22	F/S	
	63	2	F/S	
	64	0	F/S	
Automatic Camp-On	08	—	068/S	
	30	13, 14	F/06	
Automatic Recall	41	0	00, 05-07,11, 26/S	
Background Music	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
Call Back	08	—	156/0	
	12	02	F/S	
	15	03, 46	F/1	
	20	0-3	F/002-005	
	90	00	F/F0004	
Call Forwarding	—	—	—	
• Attendant Call Forwarding Setup and Cancel	—	—	—	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System		COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
FEATURE	CODE	Y-YYY			
• Call Forwarding-All Calls	08	—	222/S		
	12	02	F/S		
	15	00, 26	F/1		
	20	0-3	F/010, 011		
	35	05	F/1		
	36	—	F/0		
	90	00	F/F0010		
• Call Forwarding-Busy Line	08	—	222,240/S		
	12	02	F/S		
	15	11, 28	F/1		
	20	0-3	F/012, 013, 014, 015		
	35	05	F/1		
	36	—	F/0		
	90	00	F/F0012, F0014		
• Call Forwarding-No Answer	12	02	F/S		
	15	10	F/1		
	20	0-3	F/012, 013, 016, 017		
	41	0	01, 15/S		
	90	00	F/F0012, F0016		
• Call Forwarding-Destination	12	02	F/S		
	15	15	F/1		
	20	0-3	F/018, 019		
	90	00	F/F0018, F0019		
• Multiple Call Forwarding-All Calls	42	—	14/S		
• Multiple Call Forwarding-Busy Line	42	—	14/S		
• Multiple Call Forwarding-No Answer	41	0	46/S		
• Split Call Forwarding-Busy Line	08	—	222/S		
	12	02	F/S		
	15	11, 28, 45	F/S		
	20	0-3	F/012, 013, 014, 015		
	35	05	F/1		
	36	—	F/0		
	90	00	F/F0014		

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For Business System

Table 3-3 List of Commands for Each Service (Continued)

SERVICE FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• Call Forwarding-Override	–	–	–	
Group Diversion	08	–	026/0	
	16	2	F/S	
	19	6	F/S	
	41	0	01/S	
Call Park	–	–	–	
• Call Park-System	08	–	133/S	
	12	07	F/S	
	15	96	F/S	
	41	0	05/S	
	20	0–3	F/008,009	
	90	00	F/F5000	
• Call Park Tenant	08	–	F/S	
	41	0	05/S	
	20	0–3	F/062	
	90	00	F/F3XXX	
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 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, 069, 146 – 148, 208, 322/S	
	12	02	F/S	
	15	16, 43, 44	F/1	
	20	0–3	F/007, A25	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
CCSA Access	20	0-3	F/100-163	
	35	00, 15	F/S	
	46	-	F/S	
	90	00	F/F6030-F6037	
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	
	80	-	0/2	
	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	
Consecutive Speed Dialing	08	-	035, 043, 044, 168, 171/S	
	12	02	F/S	
	15	06, 07	F/1	
	20	0-3	F/064-068, A50-52	
	41	0	38/S	
	71	-	00-063, 64/S	
	72	-	F/S	
73	-	F/S		

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Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Consecutive Speed Dialing	74	—	F/S	
	90	00	F/S	
	94	—	F/S	
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	F5	0, 3	F/S	
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 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		
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	
Direct Inward Termination (DIT)	D5	0, 1, 3	F/S	
	08	—	179/S	
	30	02, 04, 13, 15	F/S	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
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	
Direct Station Selection/Busy Lamp Field (DSS/BLF) Console	10	—	F/S	
	96	—	F/S	
	97	—	F/S	
Distinctive Ringing	08	—	137,138, 179, 180/S	
	35	33	F/S	
Do Not Disturb	08	—	241/S	
	12	02	F/S	
	13	00	F/0	
	15	19	F/1	
	20	0-3	F/022, 023	
	46	—	F/66	
	47	—	F/S	
	51	10	F/S	
Dual Hold	90	00	F/S	
	12	02	F/S	
E & M Tie Line Access	15	64	F/1	
	10	—	F/S	
	20	0-3	F/100-163	
	35	00-02, 04, 05, 08-10, 13, 20, 21, 23-26, 33, 34, 45, 46	F/S	
	45	1	F/0	
	49	00	F/0000,0E00	
	51	01,04,07	F/EBXXX	
Elapsed Call Timer	63	2	F/S	
	—	—	—	
Executive Calling	13	21	F/0	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
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	
External/Paging with Meet-Me	08	—	094, 096, 149, 157/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	F/S	
44	—	F/S		
Feature Activation from Secondary Extension	—	—	—	
Flexible Line Key Assignment	—	—	—	
Flexible Numbering Plan	08	050, 051, 069,148, 156,208	F/S	
	10	—	F/S	
	20	—	F/801-804	
	29	0-3	F/S	
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	—	12/S	
	2A	0-4	F/S	
	D5	0, 1, 3	F/S	
D6	0	0000/CCC		
Group Listening	12	02	F/S	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Group Listening	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	-	-	-	
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 - A02	
	49	00	F/0A00	
	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	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	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, 271/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	
Least Cost Routing-3/6-Digit	20	0-3	F/A26 - A28	
	35	11, 51-55,	F/S	
	80	76	0/2	
	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	F/S	
Line Lockout	08	900-949	153/S	
	13	800-849	F/1	
	41	-	22/S	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System		Table 3-3 List of Commands for Each Feature (Continued)		
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
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 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	

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	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/S	
	10	-	F/DA00	
	48	0	F/S	
Night Service	-	-	-	
• Attendant Night Transfer	08	-	018/1	
	51	13	F/S	
• Call Rerouting	-	-	-	See Night Connection Fixed/Flexible, TAS, D IT, DID, E&M Tie Line
• 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 Transfer	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

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Table 3-3 List of Commands for Each Feature (Continued)

For Business System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
• 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	
	46	-	F/67	
	51	12	F/S	
Off-Premises Extension	13	09	F/0	
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/F4100 - F4163	
Power Failure Transfer	-	-	-	
Priority Call	08	-	250, 251/S	
	12	02	F/S	
	15	17, 18	F/1	
	20	0 - 3	F/088, 089	
	46	-	F/54, 55	
	51	12	F/S	
	90	00	F/F6054, F6055	
Privacy/Privacy Release	12	02	F/S	
	15	63	F/1	
Private Lines				Refer to Trunk - Direct Appearances

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For Business System

Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Proprietary Multiline Terminal	—	—	—	
• Automatic Idle Return	08	—	172/1	
• Called Station Status Display	—	—	—	
• Calling Name and Number Display	08	—	335	
• Handsfree Unit	—	—	—	
• I-Hold/I-Use Indication	—	—	—	
• Microphone Control	—	—	—	
• Multiple Line Operation	90	01	F/S	
• Off-Hook Voice Announcement	08	-	270, 271, 279/S	
	11	-	F/CX-CXXXX	
	12	02, 07	F/S	
	13	28	F/0	
	15	67, 72, 99	F/S	
	20	0-3	F/A63	
	90	00	F/CX-CXXXX	
• Prime Line Pickup	93	—	F/S	
• 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	
• Ring Frequency Control	08	—	390/S	
	12	07	F/S	
	15	83, 84	F/S	
	35	34	F/S	
• Volume Control	—	—	—	
Remote Maintenance	—	—	—	
Reserve Power	—	—	—	
Resident System Program	—	—	—	See Chapter 7
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	

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Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Route Advance	20	0-3	F/200-231	
	22	00-31	F/S	
Save and Repeat	90	00	F/F1001, F1013,1 F014	
Security Alarm	12	03	F/04	
	52	00-99	F/S	
Software Line Appearance	11	-	F/S	
	12	01-04	F/S	
	13	12, 13	F/1	
	90	00	F/S	
Station Hunting	08	-	240/S	
• Station Hunting-Circular	18	0, 1	F/S	
• Station Hunting-Terminal	18	0, 1	F/S	
• Station Hunting-Secretary	18	2	F/S	
	19	0, 1, 2	F/S	
Station Message Detail Recording				Refer to SMDR System Manual
Station Speed Dialing	08	-	035, 110-112,168,171,176/S	
	12	02	F/S	
	15	07	F/1	
	20	0-3	F/064-066	
	41	0	38/S	
	73	-	F/S	
	74	-	F/S	
	90	00	F/F1100-F1199	
94	-	F/S		
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		

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Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
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/F0004	
Timed Reminder	08	-	228/S	
	10	-	F/DB00,E8XX	
	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	
	49	00,08	F/S	
Trunk-Direct Appearances	90	00	F/F0024	
	30	02, 18	F/S	
Trunk Queuing-Outgoing	90	00	F/D000 - D255	
	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		

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Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Trunk-to-Trunk Connection	08	-	028, 029/S	
	12	07	F/S	
	15	90, 91	F/1	
	35	05	F/1	
	36	-	F/S	
	41	0	54/S	
Automatic Call Distribution (ACD)/ Uniform Call Distribution (UCD) with Overflow	08	-	212, 214, 215, 227, 259/S	
	10	-	F/S	
	15	103,104	F/1	
	17	0-2, 4-7,A	F/S	
	20	0-3	F/033, 044, 045	
	41	0	16/S	
	44	-	F/S	
	49	00	F/S	
	51	17	F/S	
	59	-	F/S	
	90	00	F/F1280 - 1295	
Uniform Numbering – Voice & Data	A6	-	F/S	
	20	0-3	F/A26-A29	
	35	17	F/S	
	50	00	0/S	
	80	-	0/2	
	8A	A00	F/S	
		405-407		
	000-063			
	500-755			
Variable Timing Parameters	41	0, 1, 2	F/S	
Voice Mail Integration	08	-	063, 187, 333/S	Refer to Call Forwarding - All Calls/Busy Line/No Answer
	12	02	F/S	
	13	03, 10, 13	F/S	
	15	24, 40	F/1	
	20	0-3	F/040, 041	
	41	0	14, 44/S	
	47	-	F/15, 16	
	50	00	3, 4/S	
	51	15	F/S	
	77	0, 1	F/S	
90	00	F/F1005, F6112, F6113		

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Table 3-3 List of Commands for Each Feature (Continued)

For Data Communication				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Asynchronous Data Switching	1A	–	F/S	
	20	0–3	F/801–804	
	90	00	F/F2000–F2005	
	A0	–	F/15	
	A1	00, 01, 04–09, 13, 14	F/S	
Data Hot Line	52	00–99	F/S	
	71	–	65/S	
	72	–	F/S	
	A1	11, 12	F/S	
Data Hunting	18	0, 1	F/S	
Data Interface-Automatic Answer	90	00	F/2001 or F2003	
	A1	01	F/S	
Do Not Disturb-Data Line	90	00	F/2005	
Keyboard Dialing	05	–	F/06	
	1A	–	F/S	
	20	0–3	F/801–804	
	90	00	F/F2000–F2005	
	A0	–	F/00	
	A1	13, 14	F/S	
	A4	0	F/01	
Modem Pooling	05	–	F/05	
	06	–	F/S	
	A1	02, 03	F/S	
	A2	–	F/S	
	A3	00–07	F/S	
Nailed Down Connection	A5	00–99	F/S	
Simultaneous Voice and Data Transmission	–	–	–	
Synchronous Data Switching	1A	–	F/S	
	20	0–3	F/801–804	
	90	00	F/F2000–F2005	
	A0	–	F/00	
Terminal Attribute Data Assignment	90	00	F/F2000–F2002	

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For Hotel/Motel System

Table 3-3 List of Commands for Each Feature (Continued)

FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
Automatic Wake Up	08	-	228, 282-284, 286, 287, 293/S	
	10	-	F/S	
	12	02	F/S	
	15	13, 20, 21	F/1	
	20	0-3	F/024, 025, 027, 028, A00-A02	
	41	0	23, 52/S	
	42	-	03, 04/S	
	44	-	F/0100	
	47	-	F/03	
	48	1	00/0500	
Check In/Check Out	49	00, 08	F/S	
	48	-	00/S	
	90	00	F/F0024, 0027, 0028	
Do Not Disturb	D000	-	11/1	
	D001	-	12/S	
	D031	-	F/S	
	12	02	F/S	
	15	19	F/1	
	20	0-3	F/022, 023	
	46	-	F/66	
Do Not Disturb-System	47	-	F/02-04	
	51	10	F/S	
	90	00	F/S	
	13	00	F/0	
	46	-	F/66	
Hotel/Motel Attendant Console	47	-	F/02-04	
	51	10	F/S	
Hotel/Motel Front Desk Instrument	90	00	F/S	
	47	-	F/00-04	
	10	-	F/S	
	12	02	F/S	
	15	62	F/1	
	90	00	F/S	
	D000	-	2/1	
	D001	-	F/S	
	D035	-	F/S	

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Table 3-3 List of Commands for Each Feature (Continued)

For Hotel/Motel System				
FEATURE	COMMAND		1ST DATA/2ND DATA (F/S)	REMARKS
	CODE	Y-YYY		
House Phone	08	-	055, 056/S	
	12	03	F/00-03	
	51	14	00-03/S	
Maid Status	08	-	281/S	
	20	0-3	F/029	
	90	00	F/F1069	
	D031	-	F/S	
Message Registration	-	-	-	Refer to SMDR System Manual
Message Waiting	08	-	233-235/0	
	13	03	F/0	
	47	-	F/01, 04	
	51	15	F/S	
Property Management System Interface	90	00	F/F0040, F0041	(Refer to Hotel System Manual.)
	40	0	20/00	
	D000	-	87, 88, 140/1	
	D001	-	F/S	
	D015	-	F/S	
Room Cut Off	D016	-	F/0	
	08	-	232/S	
	13	01	F/1	
	47	-	F/00, 04	
	51	11	F/S	
Room Status	90	00	F/S	Refer to Maid Status
Single Digit Dialing	20	0-3	F/808-811	
	21	0-3	F/S	
	41	0	13/S	

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4. PRECAUTIONS

4.1 Conditions for Using Commands

Some commands require system initialization after assignment/change of the office data, and others cannot assign/change the office data unless they

are in off-line mode (call processing is halted). System initialization is accomplished by pressing SW4 on the MP board.

The commands which require special precautions are shown in Table 3-4, categorized according to the conditions for their use.

Table 3-4 Commands and Their Using Conditions

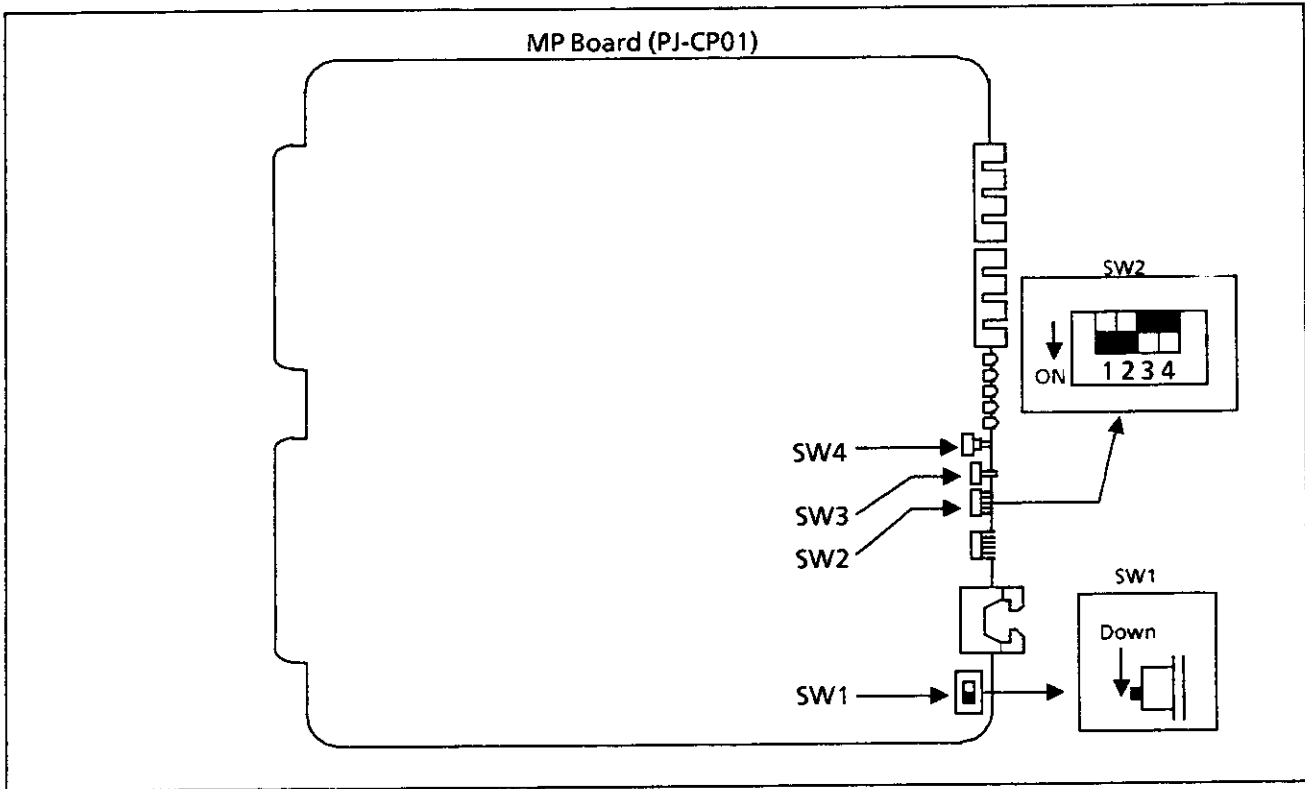
CONDITION	COMMAND	REMARKS
Commands which require system initialization after data setting: <div style="border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">INITIAL</div>	CM05: Board Assignment CM06: ATTCON Number Assignment CM07: DTI Trunk Number Assignment CM08: 390, 391 CM13: YY = 28 CM46: ATTCON Call Answer Keys CM47: ATTCON Function Keys CM60: YY = 00, 01, 02, 04, 06 CM62: Tenants for Each ATTCON Group CM1A: Data Station Number (to add new number) CM10: Station Number, Trunk Number, and Card Number (system initialization is required only for assigning the PK-4RST A card.)	
Commands which can be used only in Off-Line mode: <div style="border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">OFF-LINE</div>	CM00: System Data Memory All Clear CM01: System Data Memory Partial Clear	CAT cannot use these commands

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When deleting data in each command, enter "CCC" as 2nd data. However, data for the following commands cannot be deleted:

- Commands where the initial data (◀) is provided but the initial data (◀) is "NONE".
- CM29, CM41, CM42, CM46, CM47, CM60, YY = 30

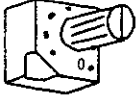
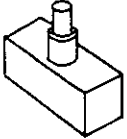
- Method for Setting Off-Line mode.



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Figure 3-1 Face Layout

Table 3-5 Switch Setting

	SWITCH	SETTING	FUNCTION
	PJ-CP01		
 <p>Set the slit on the knob to "0-F".</p>	SW3	0	On-Line mode
		2	Off-Line mode
		A	Resident System Program Load
		B	System Data All Clear for CAT
		1, 3-9, C-F	Not used
	SW4	/	System Initialization

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(a) Procedure for changing On-Line mode to Off-Line mode:

- Set SW3 to "2".
- Press SW4.

(b) Procedure for changing Off-Line mode to On-Line mode:

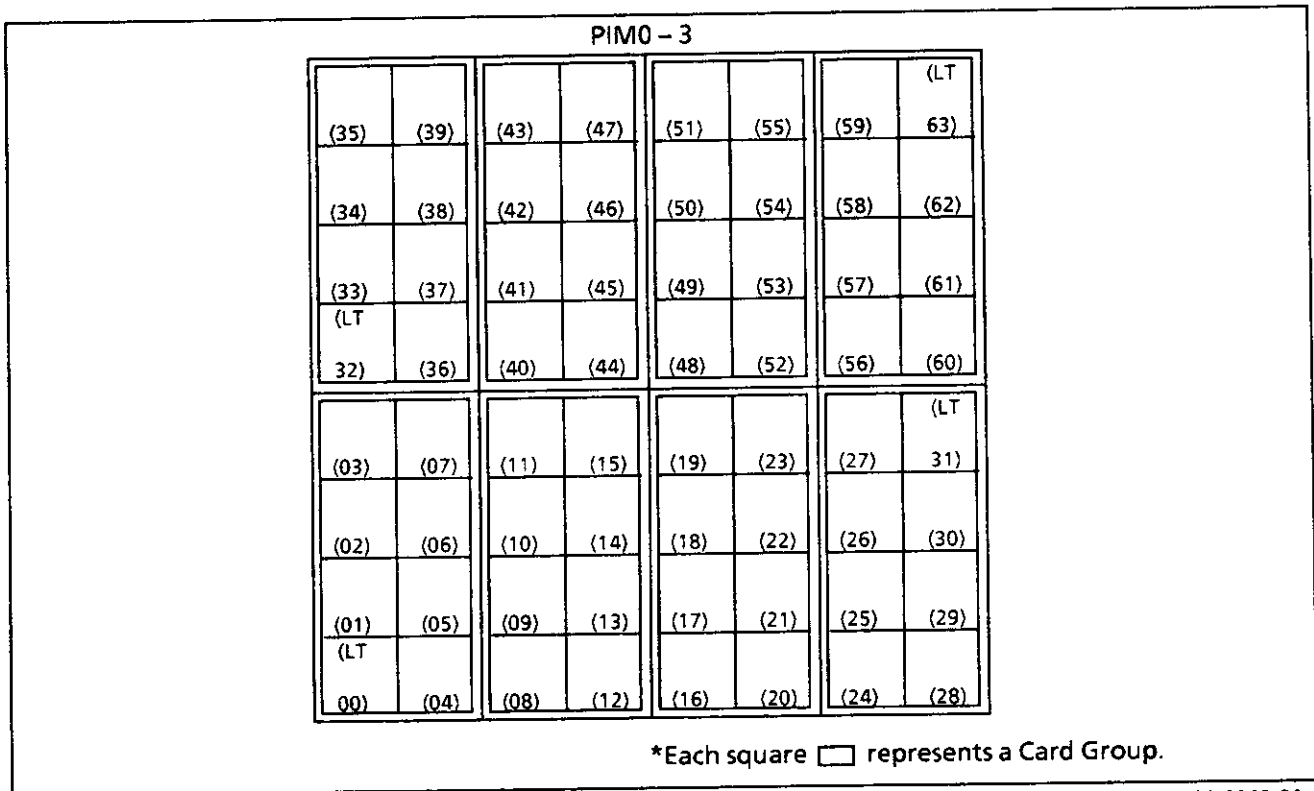
- Set SW3 to "0" ("COP" alarm lamp lights).
- Press SW4.

4.2 Putting Circuit Cards Into Service

In the NEAX1400 IMS, all line/trunk circuits are provided by installing the cards into the card shelf. The NEAX1400 IMS employs a flexible port assignment architecture that allocates the port

(Time Slot) to each LEN (Line Equipment Number), according to the System Data. The following conditions should be considered when putting circuit cards into service:

- Number of Time Slots within Card Group/Unit.
 - Circuit Card location and LTC Connector.
- (1) Relationship between Card Group and Number of Time Slots
 - Card Group
In the NEAX1400 IMS, there are "Card Groups" which relate to the configuration of Time Slots. Eight Card Slots constitute one Card Group.



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Figure 3-2 Circuit Card Location

- The following conditions should be considered for NEAX1400 IMS data programming.

- Maximum Number of Time Slots

Table 3-6 Number of Time Slots

ITEM	MAX. No. of TIME SLOTS	REMARKS
Number of Time Slots within a Card Group	32 Time Slots	
Number of Time Slots within PIM0, 1, 2 or 3	128 Time Slots	
Number of Time Slots per system	512 Time Slots	

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- Maximum Number of Lines

Table 3-7 Number of Lines

DESCRIPTION		1-PIM (128 ports)	2-PIM (256 ports)	3-PIM (384 ports)	4-PIM (512 ports)	REMARKS
Station	Conventional Telephone (PB/DP)	Normal Line	128	256	384	512
		Long Distance Line	44	88	132	176
	Conventional Telephone with Message Waiting Lamp		128	256	384	512
	Multiline Terminal	Normal Line	128	256		
		Long Distance Line	44	88	132	176
Trunk	C.O. Trunk including 2 EMT		128	256		
	Tie Line Trunk (ODT)		64	128	192	256
	DID Trunk		44	88	132	176

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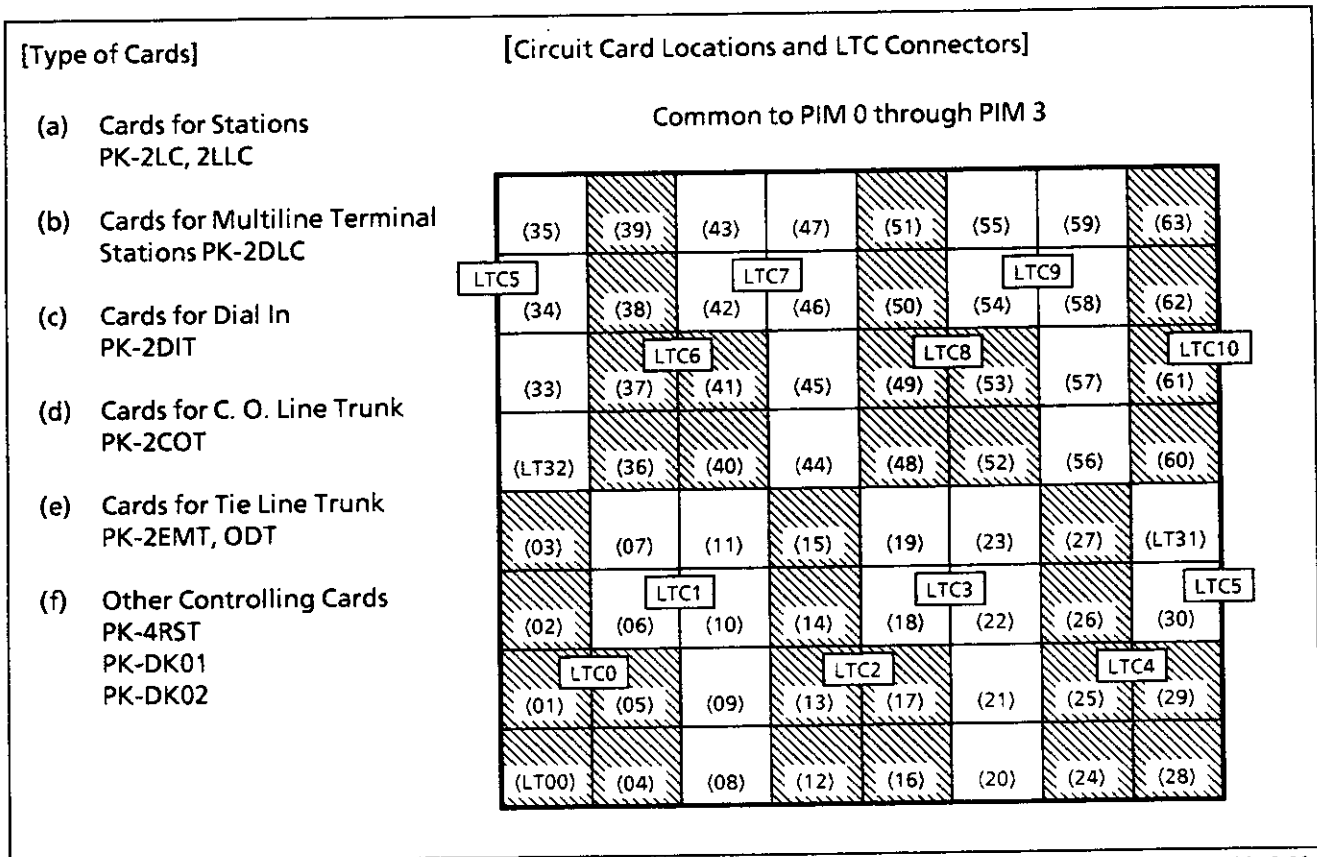
Table 3-8 System Capacity

DESCRIPTION		1-PIM (128 ports)	2-PIM (256 ports)	3-PIM (384 ports)	4-PIM (512 ports)	REMARKS
PB (DTMF) Receiver		16	32			
PB (DTMF) Sender		32				
Power Failure Transfer		12	24	36	48	
Conference Trunk (3 or 4-party conference)	Standard	8				
	With Option	16				
Music On Hold		1				
Intra-Office Connection		No Limit				
Trunk Route		64				
Tenant		64				
HA-610Z Attendant Console		2	4	6	8	
SN610 Attendant Console		8				
DSS Console/Add-On Module		8	16	24	32	
Modem Pooling Trunk		16	32			
Multiline Terminal with KeyboardDialing		42	84	126	128	
Data Modules		42	84	126	128	
External Key Scanning		128	256	384	512	
External Equipment Drive Relay		32	64	96	128	
Voice Recording Memory Card		32	64	96	128	
Hot Line		50 pairs				
Station Speed Dialing		4500 codes				
System Speed Dialing		300 codes				
BGM Source		10				
Automatic Wake Up Tone Source		1				
Timed Reminder Tone Source		1				

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(2) When installing cards, consider maintenance and future expansion. It is recommended that card groups consist of the same type of cards. However, when installing PK-2LLC or PK-2DIT cards, avoid mounting the cards in a vertical row because of heat dissipation.

Positioning of outputs from each LTC connector should be considered, as shown in Figure 3-3.



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Figure 3-3 LTC Connectors

- Number of Ports on Each Card.
Each Card Slot has two LENS (even and odd). For the relationship between Slot Numbers and LENS, refer to the "Port Assignment Table" in Chapter 4.

As shown in Table 3-9, even-numbered LENS should be assigned to cards such as PK-ODT, PK-4RST, etc.

Table 3-9 Port Assignment on Each Card

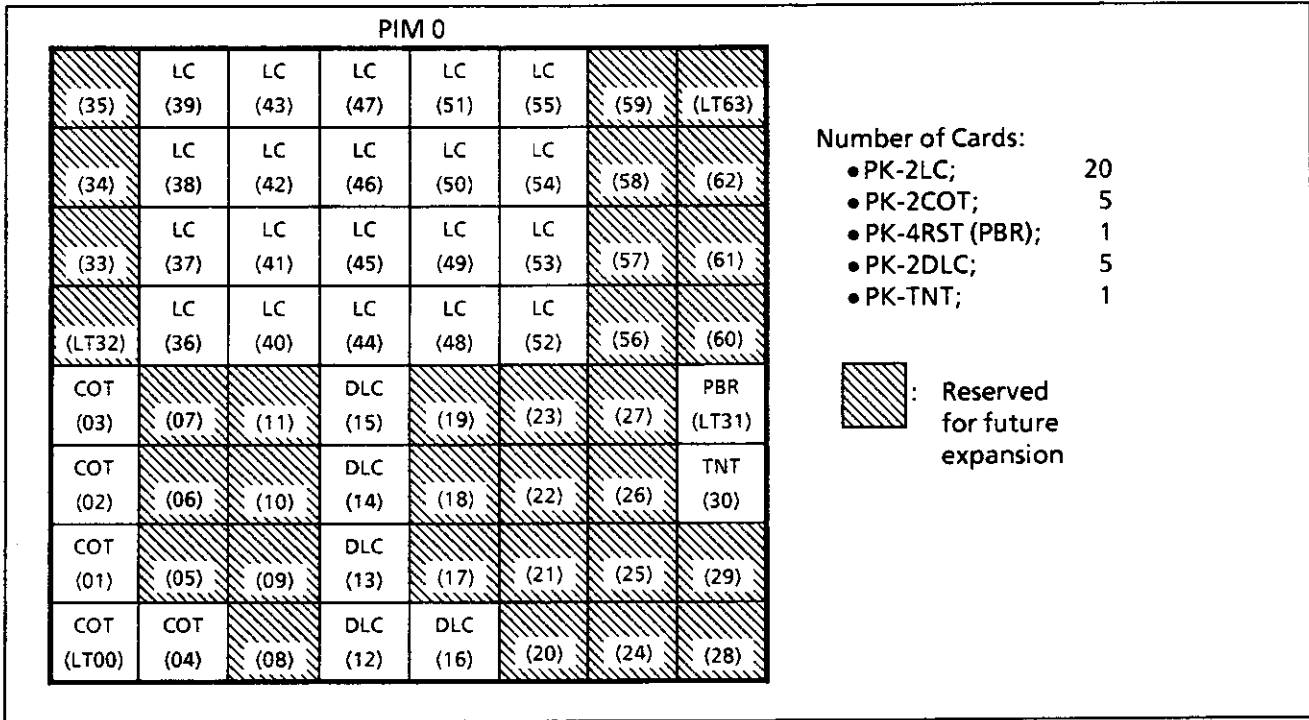
CARD NAME	(LEN TO BE ASSIGNED)		((NUMBER OF CIRCUITS))	NUMBER OF TIME SLOTS
	EVEN-NUMBER LEN	ODD-NUMBER LEN		
PK-2LC	×	×	2	2
PK-2COT	×	×	2	2
PK-2EMT	×	×	2	2
PK-ODT	×	-	1	1
PK-2LLC	×	×	2	2
PK-LLC	×	-	1	1
PK-4RST	×	-	4	4
PK-TNT	×	×	2	2
PK-2DIT	×	×	2	2
PK-2DLC	×	×	2	2 Note
PK-DK01 (EXTI)	×	-	4	0
PK-DK02 (KEYI)	×	-	8	0
PK-ME00	×	-	-	1
PK-ME01	×	-	-	1
PK-DTLA	×	-	1	3

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- × : Assignment possible
- : Assignment not possible

Note: When a Data Communication facility is provided, two or more time slots are required, per circuit.

- Sample Circuit Card Layout
Figure 3-4 shows a sample card layout, taking maintenance and future expansion into consideration.



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Figure 3-4 Sample Circuit Card Layout

4.3 Password Entry

In a system with password entry, maintenance personnel are required to enter the authorization level number (Password Level) and appropriate password prior to programming the System Data from the MAT/CAT. A maximum of eight (8) Password Levels can be defined in System Data. Each Password Level permits access to a user-specified set of commands. The procedure for programming with a password, from the CAT, is shown below. For the MAT procedure, refer to the appropriate MAT Operation Guide [ND- 43654 (E)].

STEP 1: Change the mode for CAT.

STEP 2: Enter the password with Command 03.

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

- "OK" will be displayed, if accepted.
- If "DATA ERROR" is displayed, the password is incorrect.

STEP 3: Start programming.

STEP 4: When the programming is completed, enter the following data with Command 03:

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

- Programming without a valid password will be restricted.

Note: For details on data assignment for password service, refer to Commands E7 and E9 in Chapter 5, Command Description.

Table 3-10 gives an example of the Password Level table.

Table 3-10 Example of Password Level Assignment

MAINTENANCE PERSONNEL	PASSWORD LEVEL	ACCESSIBLE COMMANDS
A	Level 7	All commands
B	Level 4	Commands 05, 08 – 13, 15 – 26, 30, 35, 36
C	Level 3	Commands 08 – 13, 15, 30, 35
D	Level 2	Commands 10, 11, 30, 35
E	Level 1	Commands 10, 11
F	Level 0	Command 10.

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Note: All Levels can access Command 03.

2.3 Trunk Data

PROGRAMMING: CM10, 30, 35, 36

ACCESS NUMBER	DESTINATION	KIND OF TRUNK	TYPE OF TRUNK	NUMBER OF LINE	DP/PB	KIND OF SIGNAL	REMARKS
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				
			IC				
			OG				
			BW				

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Note: *If space is insufficient, use copies.*

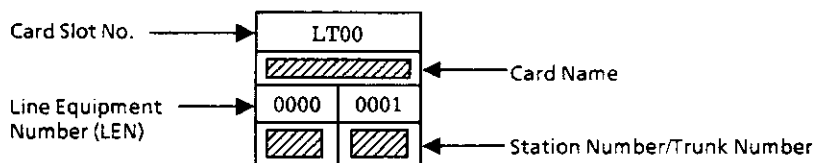
3. NEAX1400 IMS SYSTEM CONFIGURATION

3.1 Port Assignment Table

PROGRAMMING: CM10

PIM0															
LT35		LT39		LT43		LT47		LT51		LT55		LT59		LT63	
0070	0071	0078	0079	0086	0087	0094	0095	0102	0103	0110	0111	0118	0119	0126	0127
LT34		LT38		LT42		LT46		LT50		LT54		LT58		LT62	
0068	0069	0076	0077	0084	0085	0092	0093	0100	0101	0108	0109	0116	0117	0124	0125
LT33		LT37		LT41		LT45		LT49		LT53		LT57		LT61	
0066	0067	0074	0075	0082	0083	0090	0091	0098	0099	0106	0107	0114	0115	0122	0123
LT32		LT36		LT40		LT44		LT48		LT52		LT56		LT60	
0064	0065	0072	0073	0080	0081	0088	0089	0096	0097	0104	0105	0112	0113	0120	0121
LT03		LT07		LT11		LT15		LT19		LT23		LT27		LT31	
0006	0007	0014	0015	0022	0023	0030	0031	0038	0039	0046	0047	0054	0055	0062	0063
LT02		LT06		LT10		LT14		LT18		LT22		LT26		LT30	
0004	0005	0012	0013	0020	0021	0028	0029	0036	0037	0044	0045	0052	0053	0060	0061
LT01		LT05		LT09		LT13		LT17		LT21		LT25		LT29	
0002	0003	0010	0011	0018	0019	0026	0027	0034	0035	0042	0043	0050	0051	0058	0059
LT00		LT04		LT08		LT12		LT16		LT20		LT24		LT28	
0000	0001	0008	0009	0016	0017	0024	0025	0032	0033	0040	0041	0048	0049	0056	0057

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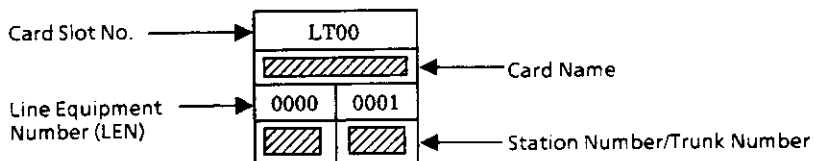


Port Assignment Table

PROGRAMMING: CM10

PIM1															
LT35		LT39		LT43		LT47		LT51		LT55		LT59		LT63	
0198	0199	0206	0207	0214	0215	0222	0223	0230	0231	0238	0239	0246	0247	0254	0255
LT34		LT38		LT42		LT46		LT50		LT54		LT58		LT62	
0196	0197	0204	0205	0212	0213	0220	0221	0228	0229	0236	0237	0244	0245	0252	0253
LT33		LT37		LT41		LT45		LT49		LT53		LT57		LT61	
0194	0195	0202	0203	0210	0211	0218	0219	0226	0227	0234	0235	0242	0243	0250	0251
LT32		LT36		LT40		LT44		LT48		LT52		LT56		LT60	
0192	0193	0200	0201	0208	0209	0216	0217	0224	0225	0232	0233	0240	0241	0248	0249
LT03		LT07		LT11		LT15		LT19		LT23		LT27		LT31	
0134	0135	0142	0143	0150	0151	0158	0159	0166	0167	0174	0175	0182	0183	0190	0191
LT02		LT06		LT10		LT14		LT18		LT22		LT26		LT30	
0132	0133	0140	0141	0148	0149	0156	0157	0164	0165	0172	0173	0180	0181	0188	0189
LT01		LT05		LT09		LT13		LT17		LT21		LT25		LT29	
0130	0131	0138	0139	0146	0147	0154	0155	0162	0163	0170	0171	0178	0179	0186	0187
LT00		LT04		LT08		LT12		LT16		LT20		LT24		LT28	
0128	0129	0136	0137	0144	0145	0152	0153	0160	0161	0168	0169	0176	0177	0184	0185

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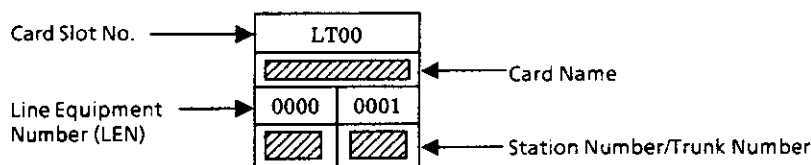


Port Assignment Table

PROGRAMMING: CM10

PIM2															
LT35		LT39		LT43		LT47		LT51		LT55		LT59		LT63	
0326	0327	0334	0335	0342	0343	0350	0351	0358	0359	0366	0367	0374	0375	0382	0383
LT34		LT38		LT42		LT46		LT50		LT54		LT58		LT62	
0324	0325	0332	0333	0340	0341	0348	0349	0356	0357	0364	0365	0372	0373	0380	0381
LT33		LT37		LT41		LT45		LT49		LT53		LT57		LT61	
0322	0323	0330	0331	0338	0339	0346	0347	0354	0355	0362	0363	0370	0371	0378	0379
LT32		LT36		LT40		LT44		LT48		LT52		LT56		LT60	
0320	0321	0328	0329	0336	0337	0344	0345	0352	0353	0360	0361	0368	0369	0376	0377
LT03		LT07		LT11		LT15		LT19		LT23		LT27		LT31	
0262	0263	0270	0271	0278	0279	0286	0287	0294	0295	0302	0303	0310	0311	0318	0319
LT02		LT06		LT10		LT14		LT18		LT22		LT26		LT30	
0260	0261	0268	0269	0276	0277	0284	0285	0292	0293	0300	0301	0308	0309	0316	0317
LT01		LT05		LT09		LT13		LT17		LT21		LT25		LT29	
0258	0259	0266	0267	0274	0275	0282	0283	0290	0291	0298	0299	0306	0307	0314	0315
LT00		LT04		LT08		LT12		LT16		LT20		LT24		LT28	
0256	0257	0264	0265	0272	0273	0280	0281	0288	0289	0296	0297	0304	0305	0312	0313

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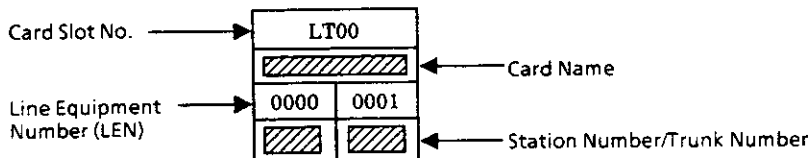


Port Assignment Table

PROGRAMMING: CM10

PIM3															
LT35		LT39		LT43		LT47		LT51		LT55		LT59		LT63	
0454	0455	0462	0463	0470	0471	0478	0479	0486	0487	0494	0495	0502	0503	0510	0511
LT34		LT38		LT42		LT46		LT50		LT54		LT58		LT62	
0452	0453	0460	0461	0468	0469	0476	0477	0484	0485	0492	0493	0500	0501	0508	0509
LT33		LT37		LT41		LT45		LT49		LT53		LT57		LT61	
0450	0451	0458	0459	0466	0467	0474	0475	0482	0483	0490	0491	0498	0499	0506	0507
LT32		LT36		LT40		LT44		LT48		LT52		LT56		LT60	
0448	0449	0456	0457	0464	0465	0472	0473	0480	0481	0488	0489	0496	0497	0504	0505
LT03		LT07		LT11		LT15		LT19		LT23		LT27		LT31	
0390	0391	0398	0399	0406	0407	0414	0415	0422	0423	0430	0431	0438	0439	0446	0447
LT02		LT06		LT10		LT14		LT18		LT22		LT26		LT30	
0388	0389	0396	0397	0404	0405	0412	0413	0420	0421	0428	0429	0436	0437	0444	0445
LT01		LT05		LT09		LT13		LT17		LT21		LT25		LT29	
0386	0387	0394	0395	0402	0403	0410	0411	0418	0419	0426	0427	0434	0435	0442	0443
LT00		LT04		LT08		LT12		LT16		LT20		LT24		LT28	
0384	0385	0392	0393	0400	0401	0408	0409	0416	0417	0424	0425	0432	0433	0440	0441

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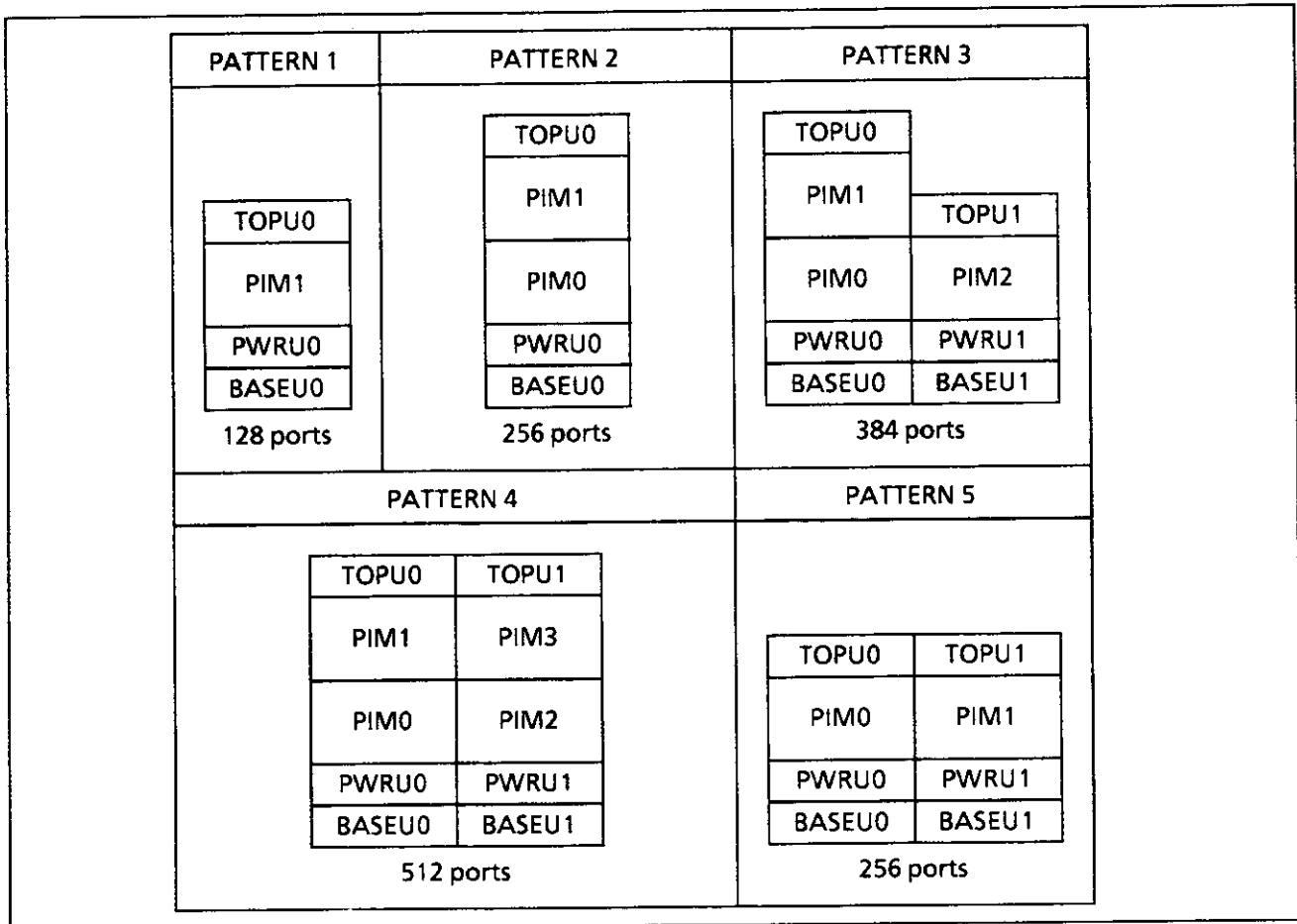
Quantity Table for Cards

SYMBOL	CARD NAME	PIM0	PIM1	PIM2	PIM3	TOTAL
LC	PK-2LCF					
LC	PK-2LCH					
LC	PK-2LCP-A					
LLC	PK-2LLCC					
LLC	PK-LLCG					
COT	PK-2COTG					
DID	PK-2DITD					
ODT	PK-ODTC					
EMT	PK-2EMTB					
PBR	PK-4RSTA					
HDT	PK-TNTC					
EXTI	PK-DK01					
KEYI	PK-DK02					
DLC	PK-2DLCA-A/B					
DLC	PK-2DLCC-A					
APMEM	PK-ME00					
VRMEM	PK-ME01					
DTLA	PK-DTLA					

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3.2 Bay Face Layout

There are five configurations (patterns) for the main equipment, as shown below. Confirm the configuration of the system to be installed and the pattern number.



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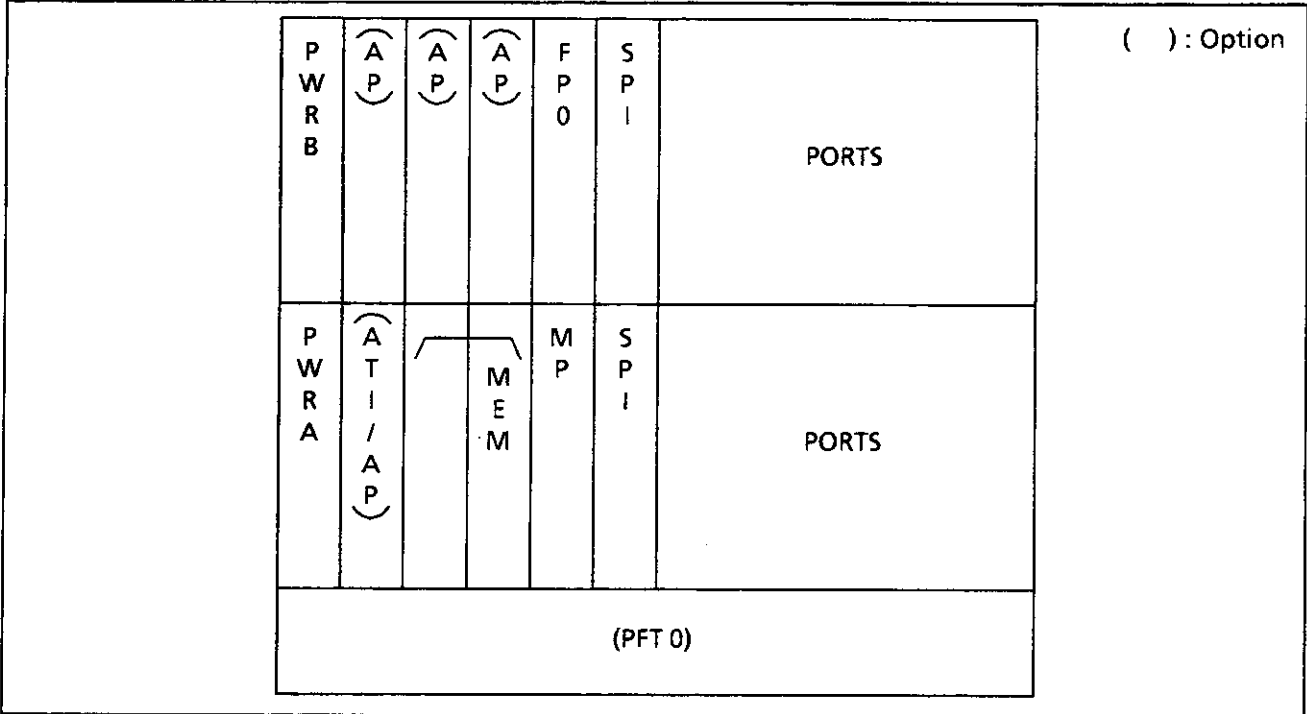
System Configuration

Quantity Table for Modules and Units

SYMBOL	MODULE/UNIT	QUANTITY	REMARKS
TOPU0/1	SN1082 TOPU-A		
PIM0 – 3	SN1060 PIM-A		
POWER PANEL 0, 1	SN4013 PWRP-A		
POWER MODULE 0 – 3	SN1071 PWRM-A/ SN1071 PWRM-B		
BASEU	SN1083 BASEU-A		
PWRU0, 1	SN1062 PWRU-A		

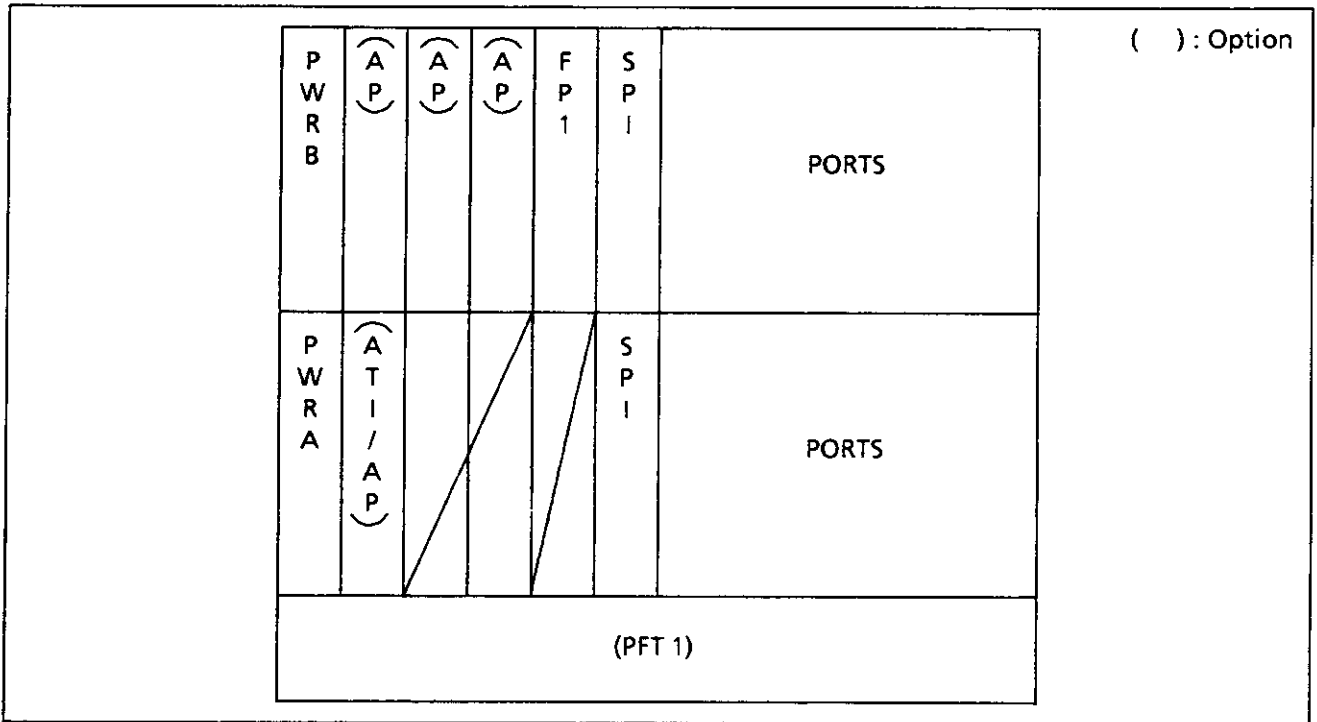
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BAY FACE LAYOUT FOR CARDS



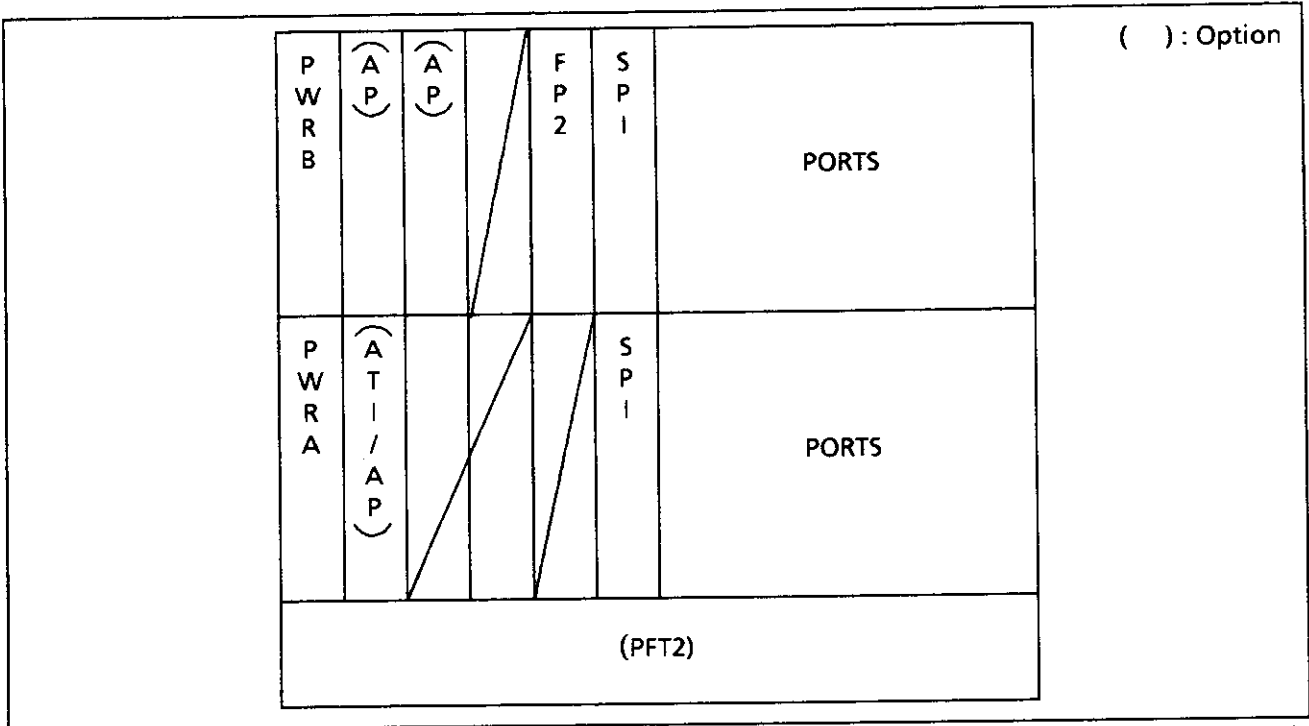
PIM0

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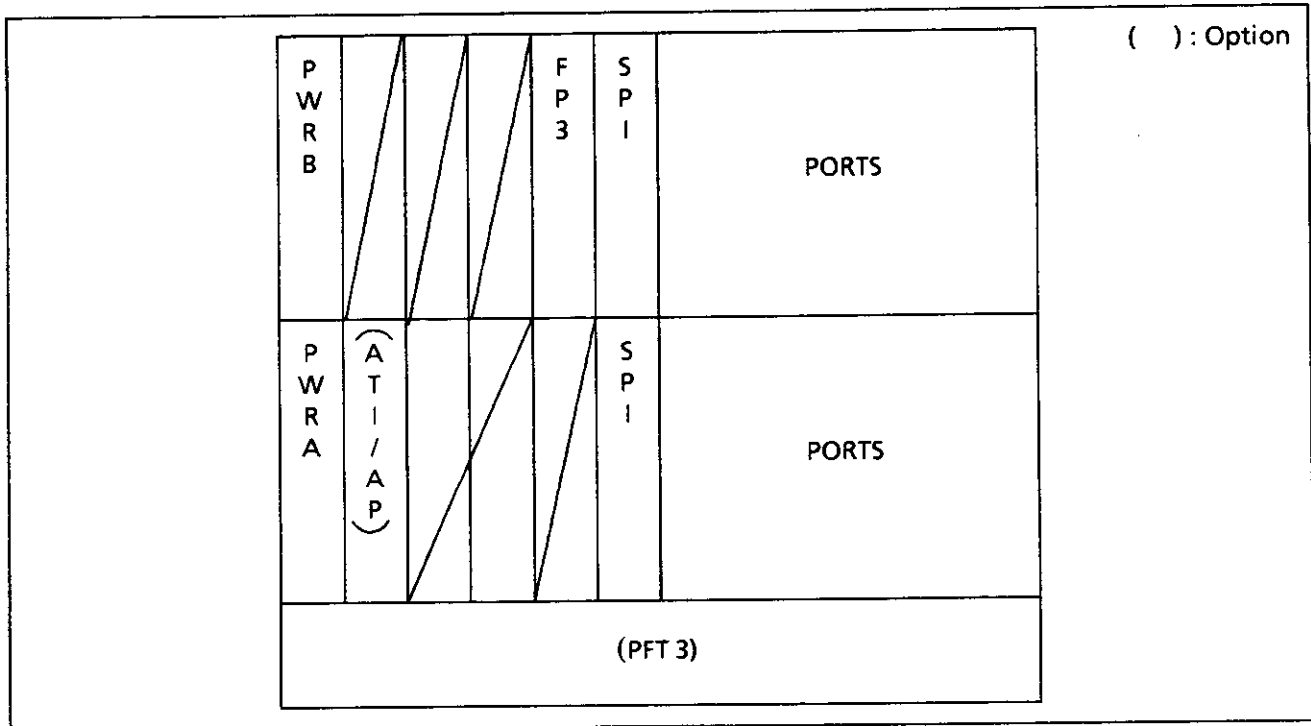
PIM1

BCD-4317705-0062-01



BCD-4317705-0063-01

PIM2



BCD-4317705-0064-01

PIM3

Quantity Table for Boards

SYMBOL	BOARD NAME	PIM0	PIM1	PIM2	PIM3	TOTAL
MP	PJ-CP01	1	-	-	-	1
MEM	PJ-ME03	1	-	-	-	1
FP0 – FP3	PJ-CP02					
SPI	PJ-64SPA					
ATI0 – 3	PJ-CS00					
AP	PJ-AP00					
	PJ-AP01					
	PJ-AP02					
	PJ-AP-ACDB					
PWRA	PJ-PW01					
PWRB	PJ-PW04/PJ-PW14					
PFT0 – PFT3	SN-4005 PFT PANEL/ SN4017 PFT PANEL					
MDT	PJ-4MDTA					

BCD-4317705-0065-02

CHAPTER 5 JOB SPECIFICATION

1. GENERAL

This chapter describes each command, and provides the System Data sheets for programming the Customer Specifications in Chapter 4.

2. DETAILED DESCRIPTION OF COMMAND AND DATA PROGRAMMING SHEETS

The method for programming commands are explained in the following order:

- (1) **Function:**
The purpose of the command is given in this item.
- (2) **Precaution:**
Precautions relating to data assignment are listed.

- (3) **Assignment Procedure:**
The data assignment is explained.

- (4) **Data Table:**
A detailed description of the data is provided.

In the description of the command and programming sheets, initial data, automatically loaded into the memory after system initialization, is indicated with "◀". Confirm the meaning of the initial data, and change or delete the data if required.

If, under the command code designation there is a MAT abbreviation, then programming can be accomplished by the MAT mode of programming instead of the MOC or CAT mode.

COMMAND CODE	TITLE:	
00	SYSTEM DATA MEMORY ALL CLEAR	OFF LINE
<p>1. FUNCTION:</p> <p>This command is used to confirm that System Data memory (RAM) area can be Written-in/Read-out and also assigns the Initial Data to the RAM area.</p>		
<p>2. PRECAUTIONS:</p> <ul style="list-style-type: none"> (1) This command can only be used in off-line mode. (2) When this command is executed, "OK" is displayed when the Memory Clear is completed (about 3 seconds later). (3) If an error exists in memory, "WD ERROR" will be displayed. (4) This command is not available with a CAT. To clear all system data of the system with a CAT, set SW3 to "B", and depress the RESET switch on the MP board. In this case, the CAT should be connected to LEN "0000". 		
<p>3. ASSIGNMENT PROCEDURE:</p> <p style="text-align: center;"> ST + 00 + DE + 1 + DE + CCC + EXE </p>		

COMMAND CODE	TITLE:	OFF LINE
01	SYSTEM DATA MEMORY PARTIAL CLEAR	
1. FUNCTION:		
This command is used to clear the data associated with the Numbering Plan (CM20 – CM29) or Toll Restriction (CM80 – CM8A).		
2. PRECAUTIONS		
This command can only be used in off-line mode.		
3. ASSIGNMENT PROCEDURE:		
<div style="display: flex; justify-content: space-around; align-items: center;"> ST + 01 + DE + 20 + DE + CCC + EXE </div> <p style="margin-left: 20px;">System data to be cleared: CM20, 21, 22, 23, 24, 25, 26 and 29 in Data Memory</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> ST + 01 + DE + 80 + DE + CCC + EXE </div> <p style="margin-left: 20px;">System data to be cleared: CM80, 81, 85, 88 and CM8A in Data Memory</p>		
4. DATA TABLE:		
1ST DATA	SYSTEM DATA TO BE CLEARED	REMARKS
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	CM80: Assignment of Toll Restriction Pattern CM81: Assignment of Toll Restriction Pattern on Each Trunk Restriction Class CM85: Assignment of Maximum Number of Digits for Dial Number to C.O. Line CM88: Assignment of Dialed Digit requiring an automatic pause CM8A: Assignment of LCR/Toll Restriction Development Table	

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COMMAND CODE	TITLE:		
(MAT) 02	SETTING OF SYSTEM CLOCK		
1. FUNCTION:			
This command is used to assign and execute clock data (day, date and time).			
2. PRECAUTIONS:			
(1) Reenter all the Clock Data if "HARD ERROR" is displayed as a result of the display operation by this command.			
(2) This command is included in MAT mode menu "E1" [Setting of System Clock (COM02)].			
(3) The system clock starts when [EXE] is depressed.			
3. ASSIGNMENT PROCEDURE:			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">ST</div> + <div style="margin: 0 10px;">02</div> + <div style="border: 1px solid black; padding: 2px;">DE</div> + <div style="text-align: center;">SECTION No. (0, 1 or 2)</div> + <div style="border: 1px solid black; padding: 2px;">DE</div> + <div style="margin: 0 10px;">DATA</div> + <div style="border: 1px solid black; padding: 2px;">EXE</div> <div style="text-align: center;">(4/6 digits)</div> </div>			
4. DATA TABLE:			
SECTION No.	DATA	MEANING	
0 [Date (YYYY)]	0000→9999	The calendar year is set by 4 digits.	
1 [Date (MM/DD)]	010100→123106 <div style="margin-left: 20px;"> Day Date Month </div>	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 <div style="margin-left: 20px;"> Second Minute Hour </div>	Hour, Minute, and Second are set using 2 digits each in the order named. "Hour" information is set in military format (24-hour). Example: 2 p.m. is set as "14".	

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COMMAND CODE	TITLE:
03	LOG IN/LOG OUT OF PASSWORD MODE
<p>1. FUNCTION:</p> <p>This command is used to enter the password which allows authorized personnel to access the commands in accordance with the authorization levels.</p>	
<p>2. PRECAUTIONS:</p> <p>None.</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> <p>To log into the password mode and enter the password:</p> <p style="text-align: center;"> ST + 03 + DE + PASSWORD LEVEL (0-7) + DE + PASSWORD + EXE (1 digit) (Max. 8 digits) </p> <p>To log out of the password mode (to finish the work):</p> <p style="text-align: center;"> ST + 03 + DE + 9 + DE + CCCCCCC + EXE 8 digits </p> <p>Note 1: <i>The password for each level is set by CM E9. The allowed commands for each Password Level are defined with CM E7.</i></p> <p>Note 2: <i>"OK" is displayed when the log on is successful.</i></p> <p>Note 3: <i>For security purposes, when entering the 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 log in.</i></p>	

COMMAND CODE	TITLE:
(MAT) 05	BOARD ASSIGNMENT INITIAL

1. FUNCTION:
This command is used to designate the type of circuit card installed in each mounting slot.

- 2. PRECAUTIONS:**
- (1) This command requires system initialization after setting the data.
 - (2) This command is included in MAT mode menu "E2" [Board Assignment (COM02)].

3. ASSIGNMENT PROCEDURE:

ST + 05 + DE + SLOT NUMBER (2 digits) + DE + DATA (2 digits) + EXE

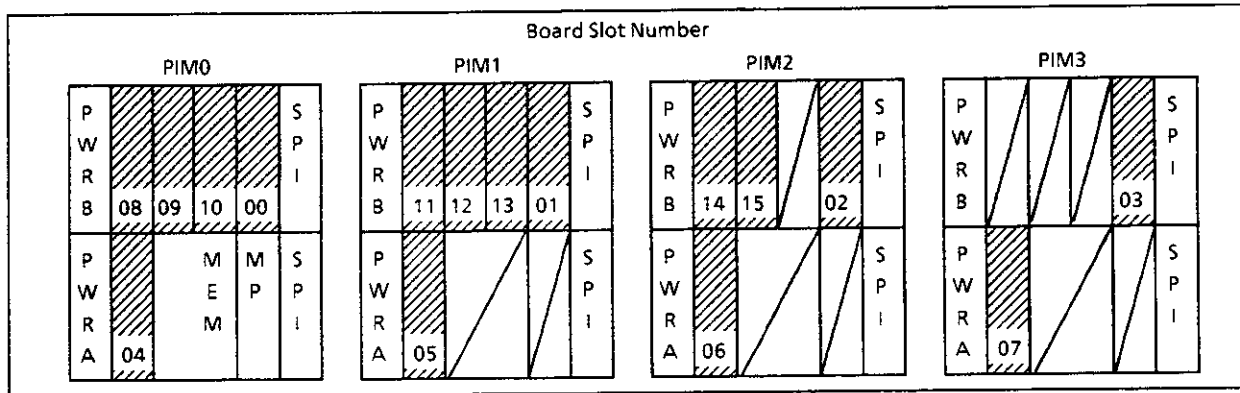
4. DATA TABLE: ◀:Initial Data

SLOT NUMBER (FP/AP No.)	SETTING DATA		RELATED COMMAND	REMARKS
	DATA (PKG KIND)	MEANING		
00-03	00	FP Board		1 PKG/PIM 4 PKGs/SYS
04-07	01	HA-610Z ATTCON interface board (PJ-CS00)	CM06	1 PKG/PIM 4 PKGs/SYS
08, 11, 14	04	SMDR/Hotel (PMS)/ Centralized Billing - CCIS (PJ-AP00)		1 PKG/SYS
04-15	05	Trunk board (PJ-4MDTA)	CM06, A2, A3	4 PKGs/PIM 8 PKGs/SYS
	06	Keyboard Dialing Controller (PJ-AP01)	CMA4	4 PKGs/PIM 4 PKGs/SYS
	07	Authorization Code, Forced Account Code, DISA (PJ-AP02), or ACD-MIS (PJ-AP-ACDB)	CMD5	1 PKG/SYS
	09	DTI board (PJ-24DTB) Note	CM07, AA	
	11	Common Channel Handler		
00-15	15 ◀	Slot is not used		

BCD-4317705-0068-03

Note: A PJ-CK01 board has no assignment in CM05; it can, however, occupy AP slot No.04, or 08-10.

• FACE LAYOUT OF BOARD SHELF



BCD-4317705-0069-03

◀:Initial Data

MAT CM05 INITIAL	
SLOT NUMBER (FP/AP No.)	DATA (PKG KIND)
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	
	15

BCD-4317705-0070-01

COMMAND 05:

+ 05 + + SLOT NUMBER +
 (2 digits)
 + SETTING DATA +
 (2 digits)

COMMAND CODE		TITLE:				
06		ATTCON/MISC TRUNK NUMBER ASSIGNMENT				
INITIAL						
1. FUNCTION:						
This command is used to assign a HA-610Z Attendant Console Number, Modem Trunk Number, or Common Channel Handler to each board.						
2. PRECAUTIONS:						
This command requires system initialization after setting the data.						
3. ASSIGNMENT PROCEDURE:						
$\boxed{\text{ST}} + 06\text{YY} + \boxed{\text{DE}} + \frac{\text{ATTCON/MODEM}}{\text{NUMBER/TRUNK NUMBER}} / \frac{\text{COMMON CHANNEL}}{\text{HANDLER NUMBER}} + \boxed{\text{DE}}$ <p style="text-align: center;">(1 – 2 digits)</p> $+ \underbrace{\text{SLOT NUMBER} + \text{CIRCUIT NUMBER}}_{(3 \text{ digits})} / \text{SLOT No.} + \boxed{\text{EXE}}$ <p style="text-align: center;">(2 Digits)</p>						
4. DATA TABLE:						
YY	ATTCON/MODEM TRUNK No.	SLOT NUMBER + CIRCUIT NUMBER			RELATED COMMAND	
01	0	ATTCON Number	0	XXX	XX X	CM05
	7	ATTCON Number	7			CM60
03	00	Trunk Number	00	XXX	XX X	CM05
	31	Trunk Number	31			CMA2 CMA3
07	0	CCH (Common Channel Handler) Number 0		XX	XX	CM05 CM30 CM35
	3	CCH Number 3				CMA7, CMA8

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CM06 YY = 01		
(INITIAL)		
ATT No.	SLOT No.	CIRCUIT No.
0		
1		
2		
3		
4		
5		
6		
7		

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CM06 YY = 07		
(INITIAL)		
CCH No.	SLOT No.	CIRCUIT No.
0		
1		
2		
3		

BCD-4317705-0435-01

CM06 YY = 03		
(INITIAL)		
MODEM TRK No.	SLOT No.	CIRCUIT No.
00		
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
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30		
31		

BCD-4317705-0073-01

COMMAND 06:

\boxed{ST} + 06YY + \boxed{DE} + ATTCN / MODEM / COMMON CHANNEL
 NUMBER / TRUNK NUMBER / HANDLER NUMBER + \boxed{DE}
 (1 - 2 digits)
 + $\boxed{\text{SLOT NUMBER} + \text{CIRCUIT NUMBER}}$ / SLOT No. + \boxed{EXE}
 (3 digits) (2 Digits)

COMMAND CODE	TITLE:																													
07	DTI TRUNK NUMBER ASSIGNMENT		(INITIAL)																											
1. FUNCTION:																														
This command is used to assign the DTI Trunks used for No. 7 Common Channel Inter-Office Signaling (CCIS) and Channel Associated Signaling.																														
2. PRECAUTIONS:																														
This command requires system initialization after data setting.																														
3. ASSIGNMENT PROCEDURE:																														
<table style="margin: auto; border: none;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">ST</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">07YY</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">1st DATA</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">2nd DATA</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">EXE</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2" style="text-align: center;">(4 digits)</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2" style="text-align: center;">(4 digits)</td> <td colspan="2"></td> </tr> </table>				ST	+	07YY	+	DE	+	1st DATA	+	DE	+	2nd DATA	+	EXE					(4 digits)						(4 digits)			
ST	+	07YY	+	DE	+	1st DATA	+	DE	+	2nd DATA	+	EXE																		
				(4 digits)						(4 digits)																				
4. DATA TABLE:																														
		1st DATA	2nd DATA																											
YY	DATA	MEANING	DATA	MEANING																										
01	XXXX	Circuit Number of PJ-24DTB	DXXX	Trunk Number (D000-D255) Note																										
		<table style="margin-left: 20px; border: none;"> <tr> <td style="padding-right: 5px;">XX</td> <td style="padding-right: 5px;">XX</td> <td style="padding-left: 10px;">└─</td> <td style="padding-left: 10px;">Circuit No. (00-23)</td> </tr> <tr> <td style="border-left: 1px solid black; height: 20px;"></td> <td style="border-left: 1px solid black; height: 20px;"></td> <td style="border-left: 1px solid black; height: 20px;"></td> <td style="padding-left: 10px;">Slot Number assigned by CM05</td> </tr> </table>	XX	XX	└─	Circuit No. (00-23)				Slot Number assigned by CM05		CM05 CMAA, YY = 00-03																		
XX	XX	└─	Circuit No. (00-23)																											
			Slot Number assigned by CM05																											

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Note: Trunk numbers already assigned with CM10 cannot be used.

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES
<p>1. FUNCTION:</p> <p>This command is used to assign basic features on a system basis.</p>	
<p>2. PRECAUTIONS:</p> <p>Features which will not be used should be kept as "1". For setting 1st data 390, 391 and 394, system initialization is required.</p>	
<p>3. ASSIGNMENT PROCEDURE:</p> $ \boxed{\text{ST}} + 08 + \boxed{\text{DE}} + \begin{array}{l} \text{BASIC} \\ \text{SERVICE} \\ \text{FEATURE} \\ \text{(3 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA (0/1)} \\ \text{(1 digit)} \end{array} + \boxed{\text{EXE}} $	

COMMAND CODE	TITLE:
08	BASIC SERVICE FEATURES

4. DATA TABLE ◀:Initial Data

BASIC SERVICE FEATURE		SETTING DATA	
012	Attendant Override (by HA-610Z/SN610 ATTCON)	0 1◀	Not Available Available
014	Attendant Loop Release (by HA-610Z/SN610 ATTCON)	0 1◀	To be provided Not to be provided
018	When the System is in night mode, an attendant (HA-610Z/SN610 ATTCON) call from a station is automatically transferred to a specific station.	0 1◀	Not to be transferred To be transferred (see CM51, YY = 13)
021	Station-to-station call during a C.O. outgoing connection or outgoing call transfer.	0 1◀	To be restricted Not to be restricted
026	Group Diversion	0 1◀	To be provided (See CM16, Y = 2) Not to be provided
028	C.O to C.O transfer by station or attendant (HA-610Z/SN610 ATTCON). Note	0 1◀	To be allowed Not to be allowed
029	When tandem call duration passes a predetermined time, the call will be disconnected or continued.	0 1◀	To be disconnected To be continued
032	In case 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, HA-610Z/SN610 ATTCON, or Voice Recording Memory card.	0 1◀	Restricted (ROT connection) Predetermined station, ATTCON, or Voice Recording Memory card assigned by CM51, YY = 06, 07.
035	Toll Restriction for an outgoing call by the Station Speed Dialing feature.	0 1◀	Not to be provided To be provided
036	Buzzer indication when a call remains held at HA-610Z/SN610 ATTCON over a preprogrammed period of time. (CM41, Y = 0, Function No. 11)	0 1◀	Not Available Available

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Note: This data is effective for the C.O. Trunks (Ground Start/Loop Start) which can receive the release signal from a distant PBX.

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
040	SMDR output for Tandem call	0 1◀	Available Not Available
043	System Speed Dialing Security (stored number displays on Multiline Terminal for an outgoing call by System Speed Dialing).	0 1◀	Not to be displayed To be displayed
044	Toll Restriction for an outgoing call by the System Speed Dialing feature.	0 1◀	Not to be provided To be provided
045	Warning tone sent to connected parties during Executive Override or Attendant Override (by HA-610Z/SN610 ATTCON).	0 1◀	Only once Every 4 sec.
048	Passing Dial Tone facility (by HA-610Z/SN610 ATTCON).	0 1◀	Not Available Available
050	If "*" button on DTMF telephone is depressed while hearing busy tone, it is regarded as a Switch Hook Flash.	0 1◀	Effective Ineffective
051	If "#" button on DTMF telephone is depressed while hearing busy tone, it is regarded as a Switch Hook Flash.	0 1◀	Effective Ineffective
055	Result of Switch Hook Flash on telephone which belongs to House Phone Group 0 or 1.	0 1◀	Special Dial Tone (dialing is available) Attendant Recall
056	Result of Switch Hook Flash on telephone which belongs to House Phone Group 2 or 3.	0 1◀	Special Dial Tone (dialing is available) Attendant Recall
057	Result of Switch Hook Flash on Hot Line telephone.	0 1◀	Special Dial Tone (dialing is available) Attendant Recall
062	Call transfer from a station before called station answers.	0 1◀	Not Available Available
063	Call Transfer from a station before called HA-610Z/SN610 ATTCON answers.	0 1◀	Available Not Available

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ :Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
067	Attendant Overflow (for HA-610Z/SN610 ATTCON)	0 1◀	Available Not Available
068	Camp-On Tone sending to busy station by Camp-On Transfer method	0 1◀	Camp on Tone is sent out only once. Camp on Tone is repeated at an interval of 4 seconds.
069	When a station user has dialed any one digit while hearing busy tone.	0 1◀	Switch Hook Flash Step Call
076	Is warning tone to be sent to C.O. Line when the station or operator overrides to a busy station connected to C.O. Line?	0 1◀	To be sent out Not to be sent out
094	Radio Paging access tone sent to station.	0 1◀	To be sent out Not to be sent out
095	Hooking signal (break pulse) sent to Radio Paging equipment from station.	0 1◀	Not to be sent out To be sent out
096	Hooking signal (break pulse) sent to Speaker Paging equipment from station.	0 1◀	To be sent out Not to be sent out
101	When the data for "102" is "0", switch hook flashing (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 making a consultation hold to the other station (STA-C), has performed switch hook flashing while talking with another station (STA-B). This data is applied to single-line telephone stations.	0 1◀	See the data for "101". STA-B is held; STA-A returns to connection with STA-C (Broker's Call).
103	When the station (STA-A), after making a consultation hold to a C.O. call, has performed switch hook flashing while talking with another station (STA-B).	0 1◀	See the data for "104". STA-B is held; STA-A returns to connection with CO line (Broker's Call).

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
104	When the data for "103" is "0", switch hook flashing.	0 1◀	The call with STA-B is disconnected, and STA-A returns to the C.O. line. Three -party conference.
110	1000 Memory Area Number "3" for Station Speed Dialing is used as the Memory Area for System Speed Dialing.	0 1◀	Available (See CM 20, A50) Not Available
111	1000 Memory Area Number "1" for Station Speed Dialing is used as the Memory Area for System Speed Dialing.	0 1◀	Available (See CM 20, A50) Not Available
112	1000 Memory Area Number "0" for Station Speed Dialing is used as the Memory Area for System Speed Dialing.	0 1◀	Available (See CM 20, A50) Not Available
113	Outgoing C.O. Line call from a station-to-station connection.	0 1◀	Not to be allowed To be allowed
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 to be allowed To be allowed
116	Answer key rings. Note	0 1◀	Available Not Available
119	Toll Diversion- When the station dials restricted area code after C.O. Trunk Access code.	0 1◀	Diversion to attendant (HA-610Z/SN610 ATTCOM) "ICPT" The station receives Reorder Tone
123	When a station has originated a call to C.O. line via the trunk route assigned to "1" by Command 35, 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 to be sent out To be sent out
124	Multi-connection of Voice Recording Memory card on Announcement Service.	0 1◀	Available Not Available (single connection)

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Note: Answer key rings on TAS and Pooled Line.

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
125	After holding an incoming C.O. call, an attendant (HA-610Z/SN610) dials a station and hears Reorder Tone. If after connection with the attendant, the called station goes on-hook.	0 1◀	Available Not Available (single connection)
128	Guest Name Display	0 1◀	Available Not Available
130	Exclusive Hold (E-HOLD) Service on Multiline Terminal.	0 1◀	Not Available Available
133	Call answer for 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 in the case of a C.O. Line connection. (CM 41, Y=0, Function No.09)	0 1◀	To be sent Not to be sent
136	Periodic Time Indication Tone Sending for a Tie Line connection (when the data for 135 of Command 08 is "0").	0 1◀	To be sent Not to be sent
137	Ringling 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,
138	Ringling signal for a station-to-station connection.	0 1◀	2 sec. ON-4 sec. OFF 1 sec. ON-2 sec. OFF
139	Individual Trunk Access from a station. (CM 20-081) (Where data is set as "0", ORT and SENDER are not being timed out. Set data as "1", normally.)	0 1◀	For testing Normal
142	Attendant access capability provided from the stations belonging to a tenant with no HA-610Z/SN610 ATTCON.	0 1◀	To be allowed Not to be allowed
143	Calling the designated HA-610Z/SN610 ATTCON from a station within another tenant is restricted. (CM 20-095)	0 1◀	To be restricted Not to be restricted

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
146	Transferred C. O. call to a busy station is automatically camped-on when the transferring station goes on-hook.	0 1◀	Available Not Available (recall transferring station)
147	When the station transfers a C. O. call to a station which is busy and has performed a switch hook flash.	0 1◀	Special Dial Tone, allowing the use of the 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
149	In delay-type paging, when the paged party encounters a busy paging party, Call Back is automatically set (applicable to both Radio Paging and Speaker Paging).	0 1◀	To be set Not to be set
150	Restriction of a station-to-station call between tenants by CM 63, Y = 1 is temporarily canceled by means of external key.	0 1◀	To be canceled Not to be canceled
151	Dialing "1" for switch hook flash (DP Telephone)/Switch hook flash (DTMF/DP Telephone).	0 1◀	Not Available Available
153	Howler Tone sent to locked-out stations.	0 1◀	Not to be sent To be sent
155	When a station user dials digit "1" upon encountering trunk busy.	0 1◀	Switch Hook Flash Ineffective
156	Dialing of Single Digit Feature Access Code while calling station hears RBT or performs Voice Call.	0 1◀	To be allowed Not to be allowed

BCD-4317705-0080-04

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ :Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
157	<p>Whether the Paging Answer code and the Paging Access code are to be the same or not. If the codes are the same, Paging Access codes must be set to trunk routes (in CM30, YY = 00) as follows:</p> <p>Paging Answer Zone 0; Trunk Route 50</p> <p>Paging Answer Zone 9: Trunk Route 59</p> <p>CM20, 1st data = 70-79, are used to set the combined access/answer codes.</p>	<p>0 Same</p> <p>1◀ Different</p>	
158	All Zone Internal Paging	<p>0 Not Available</p> <p>1◀ Available</p>	
162	If multiple radio paging access is available after accessing a radio paging trunk with delay type radio paging.	<p>0 Not Available</p> <p>1◀ Available</p>	
163	Step Call for an Incoming Call from a Tie Line.	<p>0 Not Available</p> <p>1◀ Available</p>	
165	Replaying of a message recorded in the Voice Recording Memory card for Attendant Delay Announcement.	<p>0 The message is replayed at an interval (see CM41, Y = 0, Function No.47).</p> <p>1◀ The message is replayed only once.</p>	
168	When the DTMF station or Multiline Terminal dials "#" in the setting of the Station Speed Dialing feature.	<p>0 "#" dialing is set as paused data (1.5 sec).</p> <p>1◀ "#" dialing is set as called number to C.O. line.</p>	
171	When the DTMF station or Multiline Terminal dials "*" in the setting of the Station Speed Dialing feature.	<p>0 "*" is set as programmable pause by CM 41, Y = 0, Function No. 38</p> <p>1◀ "*" is set as dialed digit</p>	
172	Automatic Idle Return on Multiline Terminal.	<p>0 Not Available</p> <p>1◀ Available</p>	

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀ :Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
176	1000 Memory Area Number "2" for Station Speed Dialing is used as the Memory Area for System Speed Dialing.	0 1◀	Available (see CM20-068) Not Available
177	Last Number Redial feature for DP/DTMF telephones.	0 1◀	Available (see CM20-068) Not Available
178	Last Number Redial 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 the data in CM35, YY = 33 0.4 sec. on; 0.2 sec. off; 0.4 sec. on; 2 sec. off
180	Ringing cadence on DID, DISA, and Automated Attendant calls.	0 1◀	0.4 sec. on; 0.2 sec. off; 0.4 sec. on; 2 sec. off As per the data in CM35, YY = 33
181	Multiline Terminal one-touch calling or DSS key calling while another party being rung or talking with another party.	0 1◀	Not Available Available
183	Music selection on PK-TNT card	0 1◀	<i>For Elyse</i> <i>Maiden's Prayer</i>
185	In case the transferring station goes on hook before 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: CM 41, Y = 0 Function No. 07)	0 1◀	Not Available Available
187	Recall priority over Call Forwarding.	0 1◀	Recall high Call Forward high
199	For the operation of the Line Preselection on Multiline Terminal, SPEAKER Button is required after depressing desired LINE/TRUNK Button.	0 1◀	Not required Required

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
200	Wake-up time printout on the H/M printer and a report is sent to PMS, when setting a wake-up time from a guest station.	0 Available 1◀ Not Available	
201	Do Not Disturb records printout on the H/M printer and the report is sent to PMS, when setting Do Not Disturb from a guest station.	0 Available 1◀ Not Available	
204	Diversion display (by HA-610Z/SN610 ATTCON).	0 Available 1◀ Not Available	
205	LDN Diversion (by HA-610Z/SN610 ATTCON) (see CM 58).	0 Available 1◀ Not Available	
206	Trunk-to-Trunk Transfer by an Attendant before answer.	0 Not Available 1◀ Available	
207	Busy lamp field fixed (by HA-610Z ATTCON) (see CM 60, YY = 26).	0 Available 1◀ Not Available	
208	Dialing of Single-Digit Feature Access code, while calling station hears busy tone.	0 Available 1◀ Not Available	
212	When a caller encounters all ACD/UCD stations busy.	0 Busy Tone is to be sent out. 1◀ The 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 (see CM 17, Y = 6).	0 ACD/UCD station hears SST, and returns to the call by SHF. 1◀ The call is disconnected. The 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 CM 17, Y = 5).	0 ACD/UCD station hears SST, and returns to the call by SHF. 1◀ The call is disconnected. The ACD/UCD station hears ROT.	

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COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURES	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
216	Designation of the processor to be checked for Authorization Code/Forced Account Code.	0 1◀	MP (PJ-CP01) Basic (CM 2A, Y=0-4) AP (PJ-AP02) Expanded CM D5
217	Designation of the processor to be checked for ID Code on the Direct Inward System Access (DISA ID Codes).	0 1◀	MP (PJ-CP01) Basic (CM 2A, Y=5-8) AP (PJ-AP02) Expanded CM D5
222	To complete the operation for setting the Call Forwarding-All Calls/Busy Line-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 HA-610Z/SN610 ATTCON is placed into queuing mode when all 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/Timed Reminder call.	0 1◀	Start at preset time. Start at five minutes before preset time.
232	Trunk access from a station in Room Cut-Off mode (refer to the Hotel System Manual [ND-43653]).	0 1◀	Restricted to C. O. only Restricted to all Trunk Routes
233	Message Waiting lamp of calling station is extinguished when an attendant (HA-610Z/SN610) answers (see CM13-13).	0 1◀	Assigned Not Assigned

BCD- 4317705-0082-04

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURE	
◀ :Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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 feature is reset (turning the MW Lamp off) by answering of called station when the calling station recalls after setting this feature.	0 1◀	Available Not Available (Depending on CM08 – 234)
236	Special Dial Tone Sending for HA-610Z/SN610 ATTCOM or station dialing a Message Waiting access (Set/Cancel) code.	0 1◀	Tone is not sent Tone is sent
237	Automatic Intercom for a station set to Do Not Disturb.	0 1◀	Restricted (ROT Connection) Intercom is Available
238	Ringling of Manual Intercom call on a station set to Do Not Disturb.	0 1◀	Not Ring On Ring On
239	Dial Intercom for a station set to Do Not Disturb.	0 1◀	Restricted (ROT Connection) Intercom is Available
240	Call Forwarding - Busy Line/Station Hunting for a station with Do Not Disturb set.	0 1◀	Available Restricted (ROT Connection)
241	Destination of the call when the called station has set Do Not Disturb. (See CM51, YY = 10)	0 1◀	Assigned in tenant of a called station Assigned in tenant of a calling station
244	Terminating System of incoming trunk (CM30, YY = 02 /03) is changed by Day/Night Mode by Station Dialing.	0 1◀	Available Not Available
245	Trunk Restriction Class (CM12, YY = 01) is changed by the Day/Night Mode, which is changed by station dialing.	0 1◀	Available Not Available
246	When the party at Station A presses the TRF key, after holding a conference, and makes an inquiry call with another party at Station B.	0 1◀	The call with Station B is disconnected. The party at Station B joins the conference (4-party conference).

BCD-4317705-0083-03

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURE	
◀: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 HA-610Z/SN 610 ATTCON (See CM46-54)
251	Destination of Priority Call 1.	0 1◀	Same station as Off-Hook Alarm (See CM51,YY = 12) Terminate to HA-610Z/SN 610 ATTCON(See CM 46-55)
255	Name Display-Station/Trunk on Multiline Terminal and SN610 ATTCON.	0 1◀	Not to be provided To be provided
259	Warning tone sent to connected parties when monitoring a station-to-station or station-to-trunk call. Note 1	0 1◀	Not to be sent To be sent (only once)
267	H/M feature (Wake-up, Do Not Disturb, Message Waiting, Room Cut Off) records print out 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
268	Call termination to Primary Extension while the extension makes a call with a secondary extension or trunk line on Multiline Terminal. Note 2	0 1◀	Restricted Allowed
269	Busy indication on BLF of HA-610Z ATTCON, DSSCON or Multiline Terminal by Station Base or Extension Base.	0 1◀	Station Base Extension Base

BCD- 4317705-0084-04

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 : *When "0" (Restricted) is set, "0" (Station Base) should be set by CM08 – 269.*

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURE	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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 be provided
271	Voice call when calling a Multiline Terminal set to voice first from an HA-610Z ATTCON.	0 1◀	Not provided (Busy Tone) To be provided
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 be provided
280	Time Display for Message Reminder/Message Waiting Service (System/Individual) on Multiline Terminal.	0 1◀	24-Hour 12-Hour
281	Maid Identification Number used for Maid Status (refer to Hotel System Manual [ND-43653]).	0 1◀	Available Not Available
282	Message "RING ON OK" is printed out when a wake up call starts. Note 1	0 1◀	Not to be printed out To be printed out
283	Message "STATION BUSY" is printed out when station is busy on a wake up call. Note 1	0 1◀	Not to be printed out To be printed out
284	Message "CONNECTION BLOCK" is printed out when a wake up call is unsuccessful. Note 1	0 1◀	Not to be printed out To be printed out
286	Message "STATION ANSWER" is printed out when the station answers a wake up call. Note 1	0 1◀	Not to be printed out To be printed out
287	Message "STATION NO ANSWER" is printed out when the station does not answer a wake up call. Note 1	0 1◀	Not to be printed out To be printed out
293	Wake-Up Time Display on Front Desk Instrument (Multiline Terminal).	0 1◀	24-Hour (Military Format) 12-Hour
294	MW Lamp indication of Multiline Terminal to which Message Waiting/Message Reminder is set.	0 1◀	Flashing (60 IPM) Lit steady
311	Display last calling station number. Note 2	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.	0 1◀	Not Available Available

BCD-4317705-0085-04

Note 1: *These features require the Hotel Printer. For detailed information, refer to the "NEAX1400 IMS Hotel System Manual (ND-43653)".*

Note 2: *This is only applicable for a ETE-16D-2 or a ETE-6D-2.*

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURE	
◀:Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
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.
333	Mail box number sent to VMS when the VMS is recalled by transferring the call to an unanswered station.	0 1◀	To be sent Not to be sent
334	Call to Station set for 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.	0 1◀	Station number and name are displayed when an incoming call terminates to the Prime Line. Station number and name are displayed 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 will be continued or dropped (CM30, YY = 30; CM41, Y = 0, Function No. 39).	0 1◀	Disconnect the call Continue the call
353	Buzzer sound when terminating an incoming call to ATTCON on the Attendant Console Lockout.	0 1◀	Not to be provided To be provided
357	Diversion display on multiline terminal/SN-610 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 will be continued or dropped (CM 30, YY = 30, 31, 32, 33; CM 41, Y = 0, Function No. 39).	0 1◀	Disconnect the call Continue the call
361	Dial "***" is automatically added to the digits sent to Radio Paging System.	0 1◀	Allowed Restricted
362	Confirmation tone after dialing the access code on the 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

BCD-4317705-0086-03

COMMAND CODE		TITLE:	
08		BASIC SERVICE FEATURE	
◀ :Initial Data			
BASIC SERVICE FEATURE		SETTING DATA	
369	While the calling station has a C.O. line on hold, and the called station goes On Hook; the calling station does a;	0 1◀	Automatic return to C.O. line call Return to C.O. line call by hooking of the station after hearing Reorder Tone.
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 be provided Not to be provided
378	CCH (provided as Center office)-AP00 TDSW path connection (Centralized Billing-CCIS).	0 1◀	Connected Not Connected
379	The maximum number of dialed digits sent to the CCIS network.	0 1◀	24 digits 15 digits
390	Multiline Terminal tone ringer selection. (INITIAL)	0 1◀	By switch equipped with Multiline Terminal By System Data (CM15 - 83, 84; CM35 - 34)
391	Lamp indication on Multiline Terminal. (INITIAL)	0 1◀	Special (MKII) Standard (2400)
394	Message Waiting lamp (single-line telephone).	0 1◀	4 seconds on; 4 seconds off Steady

BCD-4317705-0086-03

◀: Initial Data

CM 08											
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		076		150		227		311		371	
014		094		151		228		319		372	
018		095		153		232		322		373	
021		096		155		233		333		378	
026		101		156		234		334		379	
028		102		157		235		335		390	
029		103		158		236		352		391	
032		104		162		237		353		394	
035		110		163		238		357			
036		111		165		239		359			
040		112		168		240		361			
043		113		171		241		362			
044		115		172		244		363			
045		116		176		245		369			
048		119		177		246					
050		123		178		250					
051		124		179		251					
055		125		180		255					
056		128		181		259					
057		130		183		267					
062		133		185		268					
063		135		187		269					
067		136		199		270					
068		137		200		271					
069		138		201		279					
		139		204		280					
		142		205		281					
		143		206		282					
		146		207		283					
		147		208		284					
		148		212		286					
		149		214		287					
				215		293					
				216		294					
				217							
				222							

BCD-4317705-0087-04

COMMAND 08: +08+ +FEATURE No.+ +DATA (0/1)+
 (3 digits) (1 digit)

COMMAND CODE	TITLE:
09	ADDITIONAL SERVICE FEATURES INITIAL

1. FUNCTION:

This command is used to assign the No. 7 CCIS feature.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + 09 + DE + ADDITIONAL
SERVICE
FEATURE + DE + DATA (0/1) + EXE
(2 digits) (1 digit)

4. DATA TABLE:

◀ : Initial Data

ADDITIONAL SERVICE FEATURES		SETTING DATA	
00 5	Not Used	0	To be provided
52		1 ◀	Not to be provided
51	ACD-MIS		
53	No. 7 CCIS		

BCD-4317705-0434-01

COMMAND CODE	TITLE:
MAT 10	STATION NUMBER, TRUNK NUMBER, CARD NUMBER
<p>1. FUNCTION:</p> <p>This command is used to assign LENS (Line Equipment Numbers) to Station Numbers, Trunk Numbers, and Card Numbers.</p>	
<p>2. PRECAUTIONS:</p> <ol style="list-style-type: none"> (1) When deleting a Station Number or Primary Extension Number of a Multiline Terminal, be sure to delete the Call Pickup data (CM16), UCD Group data (CM17) and Station Hunting Group data (CM18) in advance. (2) When assigning the PK-4RST card (E200 – E215), system initialization is required after setting the data. (3) Data Station Numbers are assigned by CM 1A. (4) TNTC must be programmed as "DA00" in CM10, for internal/external tone source application in CM48, Y = 0. (5) TNTC must be programmed as D000 – D255 in CM10, for the Background Music (BGM) application in CM48, Y = 4. (6) This command is included in MAT mode menu "A1" [Station Number & Class (COM01)], "B1" [Trunk number & data (COM01)], and "E11" [Miscellaneous Card (COM04)]. 	
<p>3. ASSIGNMENT PROCEDURE:</p> $\boxed{\text{ST}} + 10 + \boxed{\text{DE}} + \text{LEN} + \boxed{\text{DE}} + \frac{\text{STATION}}{\text{NUMBER}} \bigg/ \frac{\text{TRUNK}}{\text{DATA}} \bigg/ \frac{\text{CARD}}{\text{NUMBER}} + \boxed{\text{EXE}}$ <p style="text-align: center;">(4 digits) (1 – 5 digits)</p>	

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

4. DATA TABLE:

LEN	SETTING DATA (STATION NUMBER, TRUNK NUMBER, CARD NUMBER)		RELATED COMMANDS
	DATA	MEANING OF DATA	
0000 } 0511	X XX XXX XXXX	Single Line Station Number (1 – 4 digits) x=0 – 9, A (*), B (#) Note 1	CM12, YY=05
	D000 } D255	Trunk Number (C.O/Tie Line, Paging, Radio Paging) • For the maximum number of COT/ODT/EMT/DID/TNT (BGM), refer to Tables 3-8 and 3-9 in Chapter 3.	CM30
	DA00	Internal/External Hold Music Interface (Music On Hold) • For the maximum number of TNTs, refer to Tables 3-8 and 3-9 in Chapter 3.	CM44 CM48
	DB00	External Announcement Machine Interface (Automatic Wake Up/Timed Reminder). • For the maximum number of TNT, COT, refer to Tables 3-8 and 3-9 in Chapter 3.	CM44 CM48
	E000 } E007	SN610 ATTCON Number : (0-7) • SN610 ATTCON Number should be different from HA-610Z ATTCON Numbers assigned with CM06	CM90 CM60
	E100 } E131	DSS Console Number : (00 – 31) When installed in PIM 0: E100 – E107 When installed in PIM 1: E108 – E115 When installed in PIM 2: E116 – E123 When installed in PIM 3: E124 – E131 Note 2	CM96 CM97
	E200 } E215	Card Number of (DTMF Receiver) (PK-4RST B) (INITIAL) When installed in PIM 0: E200 – E203 When installed in PIM 1: E204 – E207 When installed in PIM 2: E208 – E211 When installed in PIM 3: E212 – E215 Note 3 • For the maximum number of DTMF Receivers, refer to Table 3-9 in Chapter 3.	CM45 Y=0, 1
	E600 } E663	TAS Equipment Interface activated by Station Ringer (use of LC card).	CM30 YY=13, 14, 17

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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	
0000 } 0511	E800 } E831	Card Number of External Equipment Interface (PK-DK01) When installed in PIM 0: E800 – E807 When installed in PIM 1: E808 – E815 When installed in PIM 2: E816 – E823 When installed in PIM 3: E824 – E831 Note 3	CM44
	E900 } E963	Card Number of External Key Interface (PK-DK02) When installed in PIM 0: E900 – E915 When installed in PIM 1: E916 – E931 When installed in PIM 2: E932 – E947 When installed in PIM 3: E948 – E963 Note 3	CM61
	EA00 } EA02	Card Number of External Memory (PK-ME00) for AP (PJ-AP00) Note 3	CMD001 CMD102 CMD9
	EB000 } EB127	Card Number of Voice Recording Card (PK-ME01) When installed in PIM 0: EB000 – EB031 When installed in PIM 1: EB032 – EB063 When installed in PIM 2: EB064 – EB095 When installed in PIM 3: EB096 – EB127 Note 3	CM30 CM49 CM64
	EC00 } EC31	Add-On Module Number (0-31) When accommodated in PIM0: EC00 – EC07 When accommodated in PIM1: EC08 – EC15 When accommodated in PIM2: EC16 – EC23 When accommodated in PIM3: EC24 – EC31 Note 2	CM90 CM98
	FX FXX FXXX FXXX X	Multiline Terminal Number <X-XXXX> represents Primary Extension Number X = 0 – 9, A (= *), B (= #) • As for the maximum number of Multiline Terminals, refer to Table 3-8 in Chapter 3. Note 3 (if used for data) Note 4 & Note 5	CM90

BCD-4317705-0089-02

Note 1: When assigning five-digit station numbers, the last four digits should be assigned in CM10.

Note 2: When the assignment of DSS Consoles and Add-On Modules is required, the same number (the last two digits of the data) should not be used.

Note 3: When assigning these cards, the card number should be assigned to the even-numbered LEN of each card slot.

Note 4: This is also used to define a Data Terminal for use with a DTLA. In this case, the Data Terminal must also be assigned a Data Station number in Command 1A.

Note 5: The job specification for Command 10 follows the explanation of Command 13.

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

1. FUNCTION:

This command is used to assign the station numbers and Intercom number to Virtual Lines accommodated by the Multiline Terminal.

2. PRECAUTIONS:

- (1) The Virtual Line station numbers should be different from single-line station numbers assigned with Command 10.
- (2) The virtual LENs (Line Equipment Numbers) have no relation to the LENs used in Command 10. Therefore, any virtual LENs can be assigned to each Virtual Line station number or Automatic Intercom Number.
- (3) The following station data can be assigned to the Virtual Line station numbers.
 - Station Class-1 [CM12]
 - Station Class-2 [CM13]
 - Call Pick-Up Group [CM16]
- (4) This command is included in MAT mode menu "A1" (Station Number & Class [COM01]).

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

VIRTUAL LEN	VIRTUAL-LINE STATION NUMBER		RELATED COMMANDS
0000 ∩ 0255	X ∩ XXXX	Station Number (1 - 4 digits) X=0-9, A (= *), B (= #)	CM20 CM90
	A000 ∩ A031 ∩ A100 ∩ A131	Automatic Intercom Number AX XX Automatic Intercom Group No. (00 - 31) 0/1 to be made one pair.	CM12, YY = 03 CM56, YY = 10 CM90

BCD-4317705-0090-01

COMMAND CODE		TITLE:	
MAT 11		VIRTUAL-LINE NUMBER	
VIRTUAL LEN	VIRTUAL-LINE STATION NUMBER		RELATED COMMAND
0000 § 0255	A200 § A700 A201 § A701 ⋮ A224 § A724	Manual Intercom Number AX XX └─ Manual Intercom Group Number (00 – 24) └─ Sequential Number in Group (2 – 7) Note 2	CM12, YY = 03 CM56, YY = 11 CM90, YY = 00
	B000 § B900 B001 § B901 ⋮ B024 § B924	Dial Intercom Number BX XX └─ Dial Intercom Group Number (00 – 24) └─ Intercom Station Number (0 – 9) Note 3	CM12, YY = 03 CM56, YY = 12 CM90, YY = 00
	AA01 § AA05 AA11 § AA15 ⋮ AA71 § AA75	Loop Line Number for Multiline Terminal Attendant Position AA XX └─ Loop Number (1 – 5) └─ Attendant Position Number (0 – 7) Note 4	CM12, YY = 03 CM90, YY = 00
	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 CM98, YY = 00

BCD-4317705-0091-02

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

Note 1: *Automatic Intercom Numbers should be assigned as shown below:*

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

Note 2: *Manual Intercom Numbers should be assigned as shown below:*

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

Note 3: *Dial Intercom Numbers should be assigned as shown below:*

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

Note 4: *Loop Line Numbers should be assigned as shown below:*

ATTENDANT POSITION	INTERCOM NUMBER
0	AA01, AA02, AA03, AA04, AA05
1	AA11, AA12, AA13, AA14, AA15
⋮	⋮
7	AA71, AA72, AA73, AA74, AA75

Note 4: *The job specification for this command follows the explanation of Command 13.*

CM12 (1/3)

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

1. FUNCTION:

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

- 2. PRECAUTIONS:**
- (1) When assigning Station Class-1 to Multiline Terminals, with 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 data for Single-Line Station Numbers, Primary Extension Numbers of Multiline Terminals, Virtual-Line Station Numbers, Data Station Numbers Manual/Dial Intercom Numbers and Loop Line Numbers are shown in the table below ("X" = to be assigned; "-" = not to be assigned):

STATION NUMBER \ YY	00	01	02	03	04	05	07
Single-line station number (Assigned by [CM10])	X	X	X	X	X	X	X
Primary extension number of Multiline Terminal (Assigned by [CM10])	-	X	X	X	X	-	X
Virtual line Station Number of Multiline Terminal (Assigned by [CM11])	-	X	X	X	X	-	-
Data Station Number (Assigned by [CM1A])	-	X	X	X	X	-	-
Manual Intercom Number (Assigned by [CM11])	-	-	X	X	-	-	-
Dial Intercom Number (Assigned by [CM11])	-	-	X	X	-	-	-
Loop Line Number (Assigned by [CM11])	-	-	-	X	-	-	-
Automatic Intercom Number (Assigned by [CM11])	-	-	-	X	-	-	-
ICI/OPR Number (Assigned by [CM11])	-	-	X	-	-	-	-

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3. ASSIGNMENT PROCEDURE:

[ST] + 12YY + [DE] + STATION NUMBER (1-4 digits) / Automatic/Manual /Dial Intercom Number (4 digits) / Loop Line Number (4 digits) / ICI/OPR Number (4 digits) + [DE] + DATA (1-4 digits) + [EXE]

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

4. DATA TABLE:

◀:Initial Data

YY		SETTING DATA	
NO.	MEANING	DATA	MEANING
00 (PB/DP)	PB or DP (This data setting is not required in the case of Multiline Terminals)	1 3 ◀	DP PB/DP
01 (RSCA) (RSCB)	Trunk Restriction Class	XX 11 ◀	XX ┌ Day Trunk Restriction Class └ Night Trunk Restriction Class Contents of Day/Night Trunk Restriction Class 1: Unrestricted (RCA) 2: Non-Restricted 1 (RCB) } Restriction of 3: Non-Restricted 2 (RCC) } Connection trunk: 4: Semi-Restricted 1 (RCD) } CM35, YY = 51-58 5: Semi-Restricted 2 (RCE) } YY = 61-68 6: Restricted 1 (RCF) } Toll Restriction 7: Restricted 2 (RCG) } CM81, CM8A 8: Fully-Restricted (RCH) }
02 (SFCA) (SFCB)	Service Restriction Class A/B	XXXX 1515 ◀	XX XX ┌ Service Restriction Class A (00 - 15) └ Service Restriction Class B (00 - 15) Note: The features available in each class are programmed in Command 15, YY = 00-49, YY = 53-73.
03 (TEL)	Kind of Telephone	00 01 02 03 04	House Phone 0 } House Phone 1 } (See CM51, YY = 14) House Phone 2 } House Phone 3 } Hot Line (See CM52, YY = XX: Calling Side 0)

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

◀ :Initial Data

YY		SETTING DATA			
NO.	MEANING	DATA	MEANING		
03 (TEL)	Kind of Telephone	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	Attendant Position Loop Line (See CM11)		
		09	Note: <i>This data should be set to the Virtual Line Number assigned by Command 11.</i>		
		10			
		11			
		12			
		13			
		14			
		15◀		Ordinary Station (Other than data 00 – 08)	
		04 (TENT)	Tenant	00◀	Tenant 00
				01	01
				}	}
				63	Tenant 63
		Note: <i>When Tenant service is not provided, setting this data is not necessary. The data is automatically set to "00".</i>			
05 (LNKD)	Accommodation of Single-Line Telephone to Multiline Terminal (Assignment for Single-Line Telephone only)	0	Accommodated		
		1◀	Not accommodated		
07 (SFCC)	Service Restriction Class C	XX	XX └── Service Restriction Class C (00 – 15)		
		15◀			
		Note 1: <i>The features available in each Class are programmed in Command 15, YY = 80-98.</i>			

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Note 2: *The job specification for this command follows the explanation of Command 13.*

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

1. FUNCTION:

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

2. PRECAUTIONS:

- (1) When assigning Station Class-2 to Multiline Terminals with this command, enter "X-XXXX (Primary Extension Number)" of FX-FXXXX, which is assigned by [CM 10], 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 & [COM01]).
- (4) The data for Single-Line Station Numbers, Primary Extension Numbers of Multiline Terminals, Virtual-Line Station Numbers, and Data Station Numbers are shown in the table below ("X" = to be assigned; "-" = not to be assigned):

STATION NUMBER	YY	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	21	22	28
Single-line station number (assigned by CM 10)		X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	-
Primary extension number of Multi-line Terminal (assigned by CM 10)		X	X	X	X	X	X	X	X	-	X	-	X	X	X	X	X	X	-	X
Virtual line station number of Multi-line Terminal (assigned by CM11)		-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	-	-
Data Station Number (assigned by CM1A)		-	-	-	-	-	X	X	-	-	-	-	-	-	X	X	-	-	-	-

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3. ASSIGNMENT PROCEDURE:

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

COMMAND CODE	TITLE:
MAT 13	STATION CLASS-2

4. DATA TABLE:

◀ :Initial Data

YY		SETTING DATA	
No.	MEANING	DATA	MEANING
00 (DNDS)	Do Not Disturb - System (Group)	0 1 ◀	To be provided Not to be provided
01 (RCOF)	Room Cut Off - System (Group)	0 1 ◀	To be provided Not to be provided
02 (OFAL)	Off-Hook Alarm	0 1 ◀	To be provided (CM51,YY = 12) Not to be provided
03 (MSGW)	Message Waiting Service /Message Reminder Service	0 1 ◀	To be provided (Multiline Terminal with LCD) Not to be provided
04 (HOWLR)	Howler tone automatic sending function	0 1 ◀	Not to be provided] See CM 08-153 To be provided]
05 (SMDRI)	SMDR/Centralized Billing - CCIS for incoming call	0 1 ◀	To be provided] See CM 35,YY = 49 Not to be provided]
06 (SMDRO)	SMDR/Centralized Billing - CCIS for outgoing call	0 1 ◀	Not to be provided] See CM 35,YY = 14 To be provided]
07 (DL)	Analogue Data Station (FAX, Modem etc.) or Ordinary Station	0 1 ◀	Data Station Ordinary Station
08 (MRNG)	To send or not to send; ringing signal to the Single-Line Telephone accommodated on multiline of Multiline Terminal	0 1 ◀	Don't send ringing signal] See CM 12, Send ringing signal] YY = 05
09 (PAD)	Station PAD (6 dB) for LC	0 1 ◀	No PAD with PAD
10 (VMSST)	Ordinary Station or VMS Station	0 1 ◀	VMS Station (CM 41,Y = 0, Function No.44, Ordinary Station 48, 49; CM50,YY = 00)
11 (AICM)	BLF for Automatic Intercom Busy Indication	0 1 ◀	To be provided Not to be provided
12 (SEC)	Secretary Station (Boss Secretary Transfer)	0 1 ◀	Secretary Station Ordinary Station or Boss Station
13 (FRONT)	Ordinary Station or Front Station Note	0 1 ◀	Message Waiting Front Desk Instrument Note Ordinary Station
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] See CM 35,YY = 49 Effective]
21 (VIP)	VIP Class for Executive Calling (Call Waiting)	0 1 ◀	To be provided Not to be provided
22 (MOPN)	Momentary Reverse CM 41, Y = 1, Function N0. 08	0 1 ◀	To be provided Not to be provided
28 (OHVA)	Off-hook Voice Announcement	0 1 ◀	To be provided Not to be provided

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Note: MW Lamp of calling station is turned off when Message Waiting Front Desk Instrument answers (see CM 08-233).

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1-5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 }	D A Y	N I G H T	A	B	00 }	00 }	0/1	00 }	0/1	0/1	0/1	0/1
	3	1	1	15	15	15	00	1	15	1	1	1	1	
0000														
0001														
0002														
0003														
0004														
0005														
0006														
0007														
0008														
0009														
0010														
0011														
0012														
0013														
0014														
0015														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1-5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1-4 digits) (1-4 digits)

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

◀ : Initial Data

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNTA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

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LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0016														
0017														
0018														
0019														
0020														
0021														
0022														
0023														
0024														
0025														
0026														
0027														
0028														
0029														
0030														
0031														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNATA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

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LEN	CM10	CM12							CM13			
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY							YY			
		00 (PB/DP)	01 (RSCA) (RSCB)	02 (SFCA) (SFCB)	03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y 1 } 8	N I G H T 1 } 8	A B 00 } 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1
0032												
0033												
0034												
0035												
0036												
0037												
0038												
0039												
0040												
0041												
0042												
0043												
0044												
0045												
0046												
0047												

COMMAND 10: **ST** +10+ **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** +12YY+ **DE** + STATION NUMBER+ **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

CM10, 12, 13 (6/36)

◀ : Initial Data

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNTA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

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LEN	CM10	CM12							CM13				
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY											
		00 (PB/DP)	01 (RSCA) (RSCB)	02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y 1 } 8	N I G H T 1 } 8	A 00 } 15	B 00 } 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1
0048													
0049													
0050													
0051													
0052													
0053													
0054													
0055													
0056													
0057													
0058													
0059													
0060													
0061													
0062													
0063													

COMMAND 10: ST + 10 + DE + LEN + DE + SETTING DATA + EXE
 (4 digits) (1 - 5 digits)

COMMAND 12: ST + 12YY + DE + STATION NUMBER + DE + SETTING DATA + EXE
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0064														
0065														
0066														
0067														
0068														
0069														
0070														
0071														
0072														
0073														
0074														
0075														
0076														
0077														
0078														
0079														

COMMAND 10: ST + 10 + DE + LEN + DE + SETTING DATA + EXE
 (4 digits) (1 - 5 digits)

COMMAND 12: ST + 12YY + DE + STATION NUMBER + DE + SETTING DATA + EXE
 (1 - 4 digits) (1 - 4 digits)

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

◀ : Initial Data

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNTA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 }	D A Y	N I G H T	A	B	00 }	00 }	0/1	00 }	0/1	0/1	0/1	0/1
3 }	1 }	1 }	00 }	00 }	15 }	63 }		15						
		8	8	15	15									
0080														
0081														
0082														
0083														
0084														
0085														
0086														
0087														
0088														
0089														
0090														
0091														
0092														
0093														
0094														
0095														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY							YY					
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
	1 } 8	1 } 8	00 } 15	00 } 15										
0096														
0097														
0098														
0099														
0100														
0101														
0102														
0103														
0104														
0105														
0106														
0107														
0108														
0109														
0110														
0111														

COMMAND 10: **ST** +10+ **DE** +LEN+ **DE** +SETTING DATA+ **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** +12YY+ **DE** +STATION NUMBER+ **DE** +SETTING DATA+ **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

◀ : Initial Data

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNTA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

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LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	8	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0112														
0113														
0114														
0115														
0116														
0117														
0118														
0119														
0120														
0121														
0122														
0123														
0124														
0125														
0126														
0127														

COMMAND 10: +10+ +LEN+ +SETTING DATA+
 (4 digits) (1 - 5 digits)

COMMAND 12: +12YY+ +STATION NUMBER+ +SETTING DATA+
 (1 - 4 digits) (1 - 4 digits)

COMMAND 13: +13YY+ +STATION NUMBER+ +SETTING DATA+
 (1 - 4 digits) (1 digit)

LEN	CM10	CM12						CM13						
	STATION No. TRUNK No. CARD No. (1-5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0128														
0129														
0130														
0131														
0132														
0133														
0134														
0135														
0136														
0137														
0138														
0139														
0140														
0141														
0142														
0143														

COMMAND 10: ST + 10 + DE + LEN + DE + SETTING DATA + EXE
 (4 digits) (1-5 digits)

COMMAND 12: ST + 12YY + DE + STATION NUMBER + DE + SETTING DATA + EXE
 (1-4 digits) (1-4 digits)

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

LEN	CM10	CM12							CM13				
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY											
		00 (PB/DP)	01 (RSCA) (RSCB)	02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y 1 } 8	N I G H T 1 } 8	A } 15	B } 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1
0144													
0145													
0146													
0147													
0148													
0149													
0150													
0151													
0152													
0153													
0154													
0155													
0156													
0157													
0158													
0159													

COMMAND 10: ST + 10 + DE + LEN + DE + SETTING DATA + EXE
 (4 digits) (1 - 5 digits)

COMMAND 12: ST + 12YY + DE + STATION NUMBER + DE + SETTING DATA + EXE
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0160														
0161														
0162														
0163														
0164														
0165														
0166														
0167														
0168														
0169														
0170														
0171														
0172														
0173														
0174														
0175														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y 1 } 8	N I G H T 1 } 8	A 00 } 15	B 00 } 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0176														
0177														
0178														
0179														
0180														
0181														
0182														
0183														
0184														
0185														
0186														
0187														
0188														
0189														
0190														
0191														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (DFAL)	03 (MSGW)
		0 } 3	D A Y } 1 8	N I G H T } 1 8	A } 00 15	B } 00 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0192														
0193														
0194														
0195														
0196														
0197														
0198														
0199														
0200														
0201														
0202														
0203														
0204														
0205														
0206														
0207														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

LEN	CM10	CM12								CM13			
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY											
		00 (PB/DP)	01 (RSCA) (RSCB)	02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y 1 } 8	N I G H T 1 } 8	A 00 } 15	B 00 } 15	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1
0208													
0209													
0210													
0211													
0212													
0213													
0214													
0215													
0216													
0217													
0218													
0219													
0220													
0221													
0222													
0223													

COMMAND 10: **ST** +10+ **DE** +LEN+ **DE** +SETTING DATA+ **EXE**
 (4 digits) (1-5 digits)

COMMAND 12: **ST** +12YY+ **DE** +STATION NUMBER+ **DE** +SETTING DATA+ **EXE**
 (1-4 digits) (1-4 digits)

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

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1
0224														
0225														
0226														
0227														
0228														
0229														
0230														
0231														
0232														
0233														
0234														
0235														
0236														
0237														
0238														
0239														

COMMAND 10: **ST** + 10 + **DE** + LEN + **DE** + SETTING DATA + **EXE**
 (4 digits) (1 - 5 digits)

COMMAND 12: **ST** + 12YY + **DE** + STATION NUMBER + **DE** + SETTING DATA + **EXE**
 (1 - 4 digits) (1 - 4 digits)

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

Note: If space is insufficient, use copies.

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 }	D A Y	N I G H T	A	B	00 }	00 }	0/1	00 }	0/1	0/1	0/1	0/1
	3	1 }	1 }	00 }	00 }	15	63		15					
0240														
0241														
0242														
0243														
0244														
0245														
0246														
0247														
0248														
0249														
0250														
0251														
0252														
0253														
0254														
0255														

COMMAND 10: + 10 + + LEN + + SETTING DATA +
 (4 digits) (1 - 5 digits)

COMMAND 12: + 12YY + + STATION NUMBER + + SETTING DATA +
 (1 - 4 digits) (1 - 4 digits)

COMMAND 13: + 13YY + + STATION NUMBER + + SETTING DATA +
 (1 - 4 digits) (1 digit)

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNTA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

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Note: If space is insufficient, use copies.

LEN	CM10	CM12							CM13					
	STATION No. TRUNK No. CARD No. (1 - 5 DIGITS)	YY												
		00 (PB/DP)	01 (RSCA) (RSCB)		02 (SFCA) (SFCB)		03 (TEL)	04 (TENT)	05 (LNKD)	07 (SFCC)	00 (DNDS)	01 (RCOF)	02 (OFAL)	03 (MSGW)
		0 } 3	D A Y	N I G H T	A	B	00 } 15	00 } 63	0/1	00 } 15	0/1	0/1	0/1	0/1

- COMMAND 10: [ST] + 10 + [DE] + LEN + [DE] + SETTING DATA + [EXE]
(4 digits) (1 - 5 digits)
- COMMAND 12: [ST] + 12YY + [DE] + STATION NUMBER + [DE] + SETTING DATA + [EXE]
(1 - 4 digits) (1 - 4 digits)
- COMMAND 13: [ST] + 13YY + [DE] + STATION NUMBER + [DE] + SETTING DATA + [EXE]
(1 - 4 digits) (1 digit)

◀: Initial Data

CM13														
YY														
04 (HOWLR)	05 (SMDRI)	06 (SMDRO)	07 (DL)	08 (MRNG)	09 (PAD)	10 (VMSST)	11 (AICM)	12 (SEC)	13 (FRONT)	14 (HNATA)	15 (HNTB)	21 (VIP)	22 (MOPN)	28 (OHVA)
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

BCD-4317705-0111-03

◀: Initial Data

Note: If space is insufficient, use copies.

VIR- TUAL LEN	CM11	CM12						CM13				
	VIRTUAL-LINE STATION No. (1~4 DIGITS)	YY										
		01		02		03	04	07	12	13	14	15	21
DAY	NIGHT	A	B									
	1	1	00	00	00	00	00	0/1	0/1	0/1	0/1	0/1
	} 8	} 8	} 15	} 15	}\n15	}\n63	}\n15					
	1	1	15	15	00	00	1	1	1	1	1	1

COMMAND 11: ST +11+ DE + LEN + DE + SETTING DATA + EXE
 (4 digits) (1-4 digits)

COMMAND 12: ST + 12YY + DE + VIRTUAL-LINE STATION NUMBER + DE + SETTING DATA + EXE
 (1-4 digits) (1-4 digits)

COMMAND 13: ST + 13YY + DE + VIRTUAL-LINE STATION NUMBER + DE + SETTING DATA + EXE
 (1-4 digits) (1 digit)

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CM1A, 12, 13 (36/36)

Note: If space is insufficient, use copies.

◀ : Initial Data

LEN	CM1A	CM12						CM13			
	DATA STATION No. (1~4 DIGITS)	YY									
		01		02		03	04	05	06	13	14
		D A Y	N I G H T	A	B	00	00	(SMDRI)	(SMDRO)	(FRONT)	(HNNTA)
		1 }	1 }	00 }	00 }	15	63	0/1	0/1	0/1	0/1
		8	8	15	15						
		1	1	15	15	00	00	1	1	1	1

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COMMAND 11: [ST] + 1A + [DE] + LEN + [DE] + SETTING DATA + [EXE]
 (4 digits) (1 - 4 digits)

COMMAND 12: [ST] + 12YY + [DE] + DATA STATION NUMBER + [DE] + SETTING DATA + [EXE]
 (1 - 4 digits) (1 - 4 digits)

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS
1. FUNCTION: <p>The restriction of each feature is to be set for each service restriction class assigned to a station number. There are three kinds of Service Restriction Classes: A, B and C. The service features to be restricted by these Service Restriction Classes are different.</p>	
2. PRECAUTIONS: <p>This command is included in MAT mode menu "E12" [Service Restriction (CM01)].</p>	
3. ASSIGNMENT PROCEDURE: <p> <input type="text" value="ST"/> + 15YY + <input type="text" value="DE"/> + SERVICE RESTRICTION CLASS A/B/C (00-15) + <input type="text" value="DE"/> + DATA (0/1) + <input type="text" value="EXE"/> </p>	

COMMAND CODE		TITLE:		
(MAT) 15		SERVICE RESTRICTION CLASS		
Service Class A ◀ : Initial Data				
YY		SERVICE REST.	SETTING DATA	
No.	MEANING	CLASS (A)	DATA	MEANING
00	Call Forwarding - All Calls	00 } 15	0	Restricted
01	Call Hold			
02	Trunk Queuing - Outgoing		1 ◀	Allowed
03	Call Back			
04	Guest Name Display	00-15	0 1 ◀	Available (from the PMS) Not Available
05	Executive Override (calling side)	00 } 15	0	Restricted
06	System Speed Dialing			
07	Station Speed Dialing		1 ◀	Allowed
08	Paging Access (External Speaker and Radio)			
09	Executive Override / Busy Verification (called side)			
10	Call Forwarding - No Answer			
11	Call Forwarding - Busy Line			
13	Wake Up Call/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).			

BCD-4317705-0114-02

COMMAND CODE	TITLE:
MAT 15	SERVICE RESTRICTION CLASS

Service Class A

◀ : Initial Data

YY		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
21	Wake Up call assignment for guest station from predetermined station (Serial setting for multiple stations with different time)	00 } 15	0 1 ◀	Restricted Allowed
22	Trunk-to-Trunk Transfer			
24	Message Waiting Lamp set/reset from the station			
25	Timed Queue			
26	Call Forwarding-All Calls-Outside			
28	Call Forwarding-Busy Line-Outside			
30	Account Code			
31	Authorization Code/Forced Account Code			
32	BGM on Multiline Terminal			
33	Voice Recording Memory Card 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 HA-610Z/SN610 ATTCN			

BCD-4317705-0115-02

COMMAND CODE	TITLE:
MAT 15	SERVICE RESTRICTION CLASS

YY		SERVICE REST.	SETTING DATA	
No.	MEANING	CLASS (A)	DATA	MEANING
41	Voice Message Waiting Service – System/Individual (Set/Cancel/Retrieve)	00 { 15	0	Restricted
			1 ◀	Allowed
42	Voice Message Waiting Service – System (Recording)			
43	Camp-On By Station (Call Waiting Method) Set-Calling Side			
44	Camp-On By Station (Call Waiting Method) Answer-Called Side			
45	Split Call Forwarding-Busy Line Note 1			
46	Call Back-Multiple Assignment			
47	Message Reminder (Setting Side)			
48	Message Reminder (Set Side)			
49	Internal Zone Paging/All Zone Internal Paging			
103	Station-to-Station/Station-to- Trunk Call Monitoring (monitoring side) Note 2			
104	Station-to-Station/Station-to- Trunk Call Monitoring (monitored side) Note 2			

BCD-4317705-0116-04

Note 1: *Call Forwarding-Busy Line [CM15-11] must be set for "Restricted" for Split Call Forwarding-Busy Line to work.*

Note 2: *Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beep-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 15	SERVICE RESTRICTION CLASS

Service Class B			: Initial Data	
YY		SERVICE REST. CLASS (B)	SETTING DATA	
No.	MEANING		DATA	MEANING
53	TAS Service	00	0	Restricted
55	Individual Trunk Access from Station	15	1 ◀	Allowed
56	Change of mode for CAT			
60	Day Night Mode Change by Station Dialing			
61	Periodic Time Indication Tone Sending			
62	Hotel/Motel Front Desk Instrument			
63	Privacy Release			
64	Dual Hold			
66	Inhibit Override by DND			
67	Voice Call (Called Side)			
68	Off-Hook Ringing			
70	Group Listening	00	0	Allowed
71	Attendant Position Class Note	15	1 ◀	Restricted
72	Answer Hold Class			
73	Attendant Position ICI/OPE key Note	00-15	0 1 ◀	ICI/OPE key Regular Station

BCD-4317705-0117-03

Note: To provide the Multiline Terminal Attendant Positions, data "0" must be assigned to a different Service Restriction Class Number from Multiline Terminal Stations. For example:

	<u>Class No.00 (ATT Position)</u>	<u>Class No.15 (Station)</u>
YY=71	0	1
YY=73	0	1

COMMAND CODE	TITLE:
(MAT) 15	SERVICE RESTRICTION CLASS

Service Class C			◀ : Initial Data	
YY		SERVICE REST.	SETTING DATA	
No.	MEANING	CLASS (C)	DATA	MEANING
80	Immediate Ringing on Single-Line Station	00	0	Restricted
		} 15	1 ◀	Allowed
81	One Hit Ringing for Call Forwarding- All Calls	00	0	Restricted
		} 15	1 ◀	Allowed
82	Ringing Line Pick-up	00	0	Allowed
		} 15	1 ◀	Restricted
83	Tone Ringer of Multiline Terminal	00	0	Refer to Note 1
84		} 15	1 ◀	
86	Ringing Line Pick-up by SPKR key	00	0	Allowed
		} 15	1 ◀	Restricted (Prime Line Pickup)
88	Switch Hook Flash during Internal Call.	00	0	Refer to Note 2
89		} 15	1 ◀	
90	Switch Hook Flash during C.O. line connection	00	0	Refer to Note 3
91		} 15	1 ◀	
96	Type of Multiline Terminal Note 5	00	0	Without LCD
		} 15	1 ◀	With LCD
97	Service for overflowed Off-Hook Alarm Call	00	0	Refer to Note 4
98		} 15	1 ◀	
99	Voice Call/Mike Off (Called Side)	00	0	Available
		} 15	1 ◀	Not Available

BCD-4317705-0118-03

COMMAND CODE	TITLE:
(MAT) 15	SERVICE RESTRICTION CLASS

Note 1: *The tone indication pattern is assigned by a combination of data in YY = 83 and YY = 84. This data assignment is honored only if CM 08-390 is assigned as "1".*

◀ :Initial Data

YY	83	84	MEANING OF DATA
Setting	0	0	600 + 700 [Hz]
Data	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

BCD-4317705-0119-04

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	Operator Recall on HA-610Z/SN610 ATTCON

BCD-4317705-0120-03

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	Operator Recall on HA-610Z/SN610 ATTCON

BCD-4317705-0121-03

Note 4: *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	Call Waiting (In case of UCD Pilot Station and CM08 - 212 = "0")
0	1	UCD (In case of UCD Pilot Station and CM08 - 212 = "1")
1	0	Call Waiting (In case of ordinary station)
1	1	Hunting (In case of ordinary station)

BCD-4317705-0122-01

Note 5: *When providing Call Park-System to a Multiline Terminal without an LCD (ETE-16-2 or ETE-6-2), assign data "0" to a different Service Restriction Class Number from a Multiline Terminal with an LCD (ETE-16D-2 or ETE-6D-2).*

◀: Initial Data

MAT		CM15															
		SERVICE CLASS A															
YY No.	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
00																	1
01																	1
02																	1
03																	1
04																	1
05																	1
06																	1
07																	1
08																	1
09																	1
10																	1
11																	1
13																	1
14																	1
15																	1
16																	1
17																	1
18																	1
19																	1
20																	1
21																	1
22																	1
24																	1
25																	1
26																	1
28																	1
30																	1
31																	1
32																	1
33																	1
34																	1
35																	1
36																	1

BCD-4317705-0123-01

COMMAND 15: +15YY+ +SERVICE RESTRICTION+ +SETTING DATA+
 CLASS A/B/C (00-15) (0/1)

◀: Initial Data

CM15																	
SERVICE CLASS A																	
YY No.	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
37																	1
38																	1
39																	1
40																	1
41																	1
42																	1
43																	1
44																	1
45																	1
46																	1
47																	1
48																	1
49																	1
103																	1
104																	1
SERVICE CLASS B																	
53																	1
55																	1
56																	1
60																	1
61																	1
62																	1
63																	1
64																	1
66																	1
67																	1
68																	1
70																	1
71																	1
72																	1
73																	1
SERVICE CLASS C																	
80																	1
81																	1
82																	1

BCD-4317705-0125-03

COMMAND 15: ST +15YY+ DE +SERVICE RESTRICTION + DE +SETTING DATA + EXE
 CLASS A/B/C (00-15) (0/1)

MAT																	CM15																
YY No.	SERVICE CLASS C																																
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15																	
83																		1															
84																		1															
86																		1															
88																		1															
89																		1															
90																		1															
91																		1															
96																		1															
97																		1															
98																		1															
99																		1															

BCD-4317705-0126-03

COMMAND 15: ST +15YY+ DE +SERVICE RESTRICTION+ CLASS A/B/C (00-15) + DE +SETTING DATA+(0/1) EXE

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

1. FUNCTION:

This command is used to assign stations to a Call Pickup Group.

2. PRECAUTIONS:

- (1) The maximum number of stations which can be assigned to a Call Pickup Group is 60.
- (2) There is no limit to the number of Call Pickup Groups.
- (3) An individual station cannot be assigned to multiple Call Pickup Groups.
- (4) A maximum of 31 Group Diversion groups can be assigned. There is no limit 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.

3. ASSIGNMENT PROCEDURE:

ST + 16Y + **DE** + STATION NUMBER (A) (1-4 digits) + **DE** + DATA (1-4 digits) + **EXE**

4. DATA TABLE:

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Assignment of Station Numbers to be included in Call Pickup Group	X } XXXX	Station Number (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 (see next page).</p>					

BCD-4317705-0126-02

COMMAND CODE		TITLE:																			
MAT 16		CALL PICKUP GROUP/GROUP DIVERSION GROUP																			
4. DATA TABLE:																					
Y		STATION NUMBER (A)		SETTING DATA																	
No.	MEANING	DATA	MEANING	DATA	MEANING																
0		<p style="text-align: center;"><u>Station Number (A) Station Number (B)</u></p> <p>1st Operation 300 301</p> <p>2nd Operation 301 302</p> <p>3rd Operation 302 300</p> <p>By these three operations, a chain of three lines is set up. As seen from above, one station can be either Station Number (A) or Station Number (B). Thus, Station Number (A)/(B) is used for identifying which of the two station numbers is to be set first.</p>																			
2	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 to be included in Call Pickup Group	<p>By entering station number as first data, the station numbers to be included in the Group are displayed.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><u>OPERATION</u></td> <td></td> <td style="text-align: center;"><u>DISPLAY</u></td> </tr> <tr> <td>1st</td> <td>STN A +</td> <td style="border: 1px solid black; padding: 2px;">DE</td> <td>STN A : STN B</td> </tr> <tr> <td>2nd</td> <td>+</td> <td style="border: 1px solid black; padding: 2px;">DE</td> <td>STN B : STN C</td> </tr> <tr> <td>3rd</td> <td>+</td> <td style="border: 1px solid black; padding: 2px;">DE</td> <td>STN C : END</td> </tr> </table>					<u>OPERATION</u>		<u>DISPLAY</u>	1st	STN A +	DE	STN A : STN B	2nd	+	DE	STN B : STN C	3rd	+	DE	STN C : END
	<u>OPERATION</u>		<u>DISPLAY</u>																		
1st	STN A +	DE	STN A : STN B																		
2nd	+	DE	STN B : STN C																		
3rd	+	DE	STN C : END																		

BCD-4317705-0127-01

CM16 (4/5)

Note: If space is insufficient, use copies.

MAT CM16	
Y = 2	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-4317705-0129-01

MAT CM16	
Y = 2	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-4317705-0129-01

MAT CM16	
Y = 2	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-4317705-0129-01

COMMAND 16: **ST** + 16Y + **DE** + STATION NUMBER + **DE** + GROUP No. + **EXE**
 (1 - 4 digits) (2 digits)

Note: If space is insufficient, use copies.

MAT CM16	
Y = 3	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-42893-0130-01

MAT CM16	
Y = 3	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-42893-0130-01

MAT CM16	
Y = 3	
GRP No.	STATION NUMBER
Group Diversion Group ()	

BCD-42893-0130-01

COMMAND 16: ST + 16Y + DE + STATION NUMBER + DE + GROUP No. + EXE
 (1 - 4 digits) (2 digits)

COMMAND CODE	TITLE:
MAT 17	ACD/UCD GROUP

1. FUNCTION:

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

2. PRECAUTIONS:

- (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" (ACD/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 Notes 1 & 2 on the next page.	X } XXXX	Station Number (A)	X } XXXX	Station Number (B)	
1	Pilot Station of the ACD/UCD Group	X } XXXX	Station Numbers to be assigned to Pilot	0 ◀ 1	Member Station Pilot Station	
2	Assignment of the ACD/UCD Group Number	X } XXXX	Pilot and Member Station Numbers	00 } 15 None Note	ACD/UCD Group 00 } ACD/UCD Group 15	CM44-14XX; CM90, YY=00, F1280 to F1295

BCD-4317705-0131-01

Note: "None" indicates no ACD/UCD stations.

COMMAND CODE	TITLE:
MAT 17	ACD/UCD GROUP

◀ :Initial Data

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
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. Example: OPERATION Station Number (A) + <input type="text" value="DE"/> + <input type="text" value="DE"/> DISPLAY Station Number (A): Station Number (B) Station Number (B): Station Number (C)				
4 (U0)	ACD/UCD service for internal call from Station/ATTCON)	X } XXXX	Pilot Station Number of the ACD/UCD Group	0 1 ◀	Not to be provided To be provided	
5 (U1)	ACD/UCD service for C.O. incoming call (DDD, FX, WATS)	X } XXXX	Pilot Station Number of the ACD/UCD Group	0 1 ◀	Not to be provided To be provided	
6 (U2)	ACD/UCD service for Tie Line incoming call	X } XXXX	Pilot Station Number of the ACD/UCD Group	0 1 ◀	Not to be provided To be provided	
7 (U3)	ACD/UCD service for DID call	X } XXXX	Pilot Station Number of the ACD/UCD Group	0 1 ◀	Not to be provided To be provided	
A (U6)	ACD/UCD Delay Announcement Service	X } XXXX	Pilot Station Number of the ACD/UCD Group	0 1 ◀	To be sent periodically To be sent only once	CM49, Y Y = 0 0 ; CM41, Y=0 function 47

BCD-4317705-0132-02

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 assigning the data, lift the handset once, to activate the ACD/UCD function, at each ACD/UCD station.

CM17 (3/3)

Note: If space is insufficient, use copies.

◀ : Initial Data

(MAT) CM17									
STATION NUMBER (A)	Y								
	0	1 (PILOT STA No.)	2 (GROUP No.)	3	4 (U0)	5 (U1)	6 (U2)	7 (U3)	A (U6)
	STATION NUMBER (B)	MEMBER OR PILOT (0 ◀ /1)	ACD/UCD GROUP (00 - 15)	(0/1 ◀)	(0/1 ◀)	(0/1 ◀)	(0/1 ◀)	(0/1 ◀)	(0/1 ◀)

BCD-4317705-0133-01

COMMAND 16: [ST] + 17Y + [DE] + STATION NUMBER + [DE] + SETTING DATA + [EXE]
(A) (1 - 4 digits) (1 - 4 digits)

COMMAND CODE MAT 18	TITLE: STATION HUNTING GROUP
1. FUNCTION: This command is used to assign stations to a Station Hunting Group. There are three hunt types: Pilot, Circular and Switch Back.	
2. PRECAUTIONS: (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 multiple Hunting Groups. (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]).	
3. ASSIGNMENT PROCEDURE: $\boxed{\text{ST}} + 18\text{Y} + \boxed{\text{DE}} + \text{STATION NUMBER (A)} + \boxed{\text{DE}} + \text{DATA} + \boxed{\text{EXE}}$ <p style="text-align: center;">(1 - 4 digits) (1 - 4 digits)</p>	

COMMAND CODE	TITLE:
(MAT) 18	STATION HUNTING GROUP

4. DATA TABLE:

(a) In the case of a Pilot System:

◀ :Initial Data

Y		STATION NUMBER (A)		SETTING DATA										
No.	MEANING	DATA	MEANING	DATA	MEANING									
0	Setting of Station numbers to be included in Station Hunting Group.	X } XXXX	Station Number (A)	X } XXXX	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, and 302, designate 300 as the pilot station number, and perform the following two operations:</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><u>Station Number (A)</u></td> <td style="text-align: center;"><u>Station Number (B)</u></td> </tr> <tr> <td>1st Operation</td> <td style="text-align: center;">300</td> <td style="text-align: center;">301</td> </tr> <tr> <td>2nd Operation</td> <td style="text-align: center;">301</td> <td style="text-align: center;">302</td> </tr> </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 to be included in Station Hunting Group.	X } XXXX		1	Pilot Station of Pilot System									
				0 ◀	Member Station of Pilot System									

BCD-4317705-0134-02

COMMAND CODE	TITLE:
MAT 18	STATION HUNTING GROUP

(a) In the case of a Pilot System:

◀: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 a "Secretary Station."	X } XXXX	Station Number (A)	00 } 30 31 ◀	Secretary Station Serial Numbers: Serial Numbers to be assigned to Secretary Station Numbers are called Secretary Station Serial Numbers. The correspondence between Serial Numbers and Secretary Station Numbers is set by Command 19. The 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 to be included in Station Hunting Group	If Station Numbers are entered as the first data, the station numbers included in a Station Hunting Group are displayed one after another. Example:			
		Operation	Display		
		Station Number A + DE	Station Number A: Station Number B		
		+ DE	Station Number B: Station Number C		

BCD-42897-0135-03

COMMAND CODE		TITLE:															
MAT 18		STATION HUNTING GROUP															
(b) In the case of a Circular System: ◀:Initial Data																	
Y		STATION NUMBER (A)		SETTING DATA													
No.	MEANING	DATA	MEANING	DATA	MEANING												
0	Setting of Station Numbers to be included in Station Hunting Group	X } XXXX	Station Number (A)	X } XXXX	Station Number (B)												
<p>Example: A Station Hunting Group, which 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>Station Number (A)</th> <th>Station Number (B)</th> </tr> </thead> <tbody> <tr> <td>1st Operation</td> <td>310</td> <td>311</td> </tr> <tr> <td>2nd Operation</td> <td>311</td> <td>312</td> </tr> <tr> <td>3rd Operation</td> <td>312</td> <td>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>							Station Number (A)	Station Number (B)	1st Operation	310	311	2nd Operation	311	312	3rd Operation	312	310
	Station Number (A)	Station Number (B)															
1st Operation	310	311															
2nd Operation	311	312															
3rd Operation	312	310															
1	Kind of Station Numbers to be included in Station Hunting Group	X } XXXX	Station Number (A)	1	All the stations of Circular System												
2	Secretary Station: Same as in the case of Pilot system	X } XXXX		00 } 30	Secretary Station Serial Numbers (Same as in the case of Pilot System) The data can be set to all the stations of Circular System. Also, each of the stations belonging to the same Hunting Group can set its own Secretary Station.												
	<p>Example:</p> <p>Call terminated</p>			31 ◀	Not Assigned												

BCD-4317705-0136-03

COMMAND CODE	TITLE:
MAT 18	STATION HUNTING GROUP

(b) In the case of a Circular System:

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
3	Display of Station Numbers to be included in Station Hunting Group	(Same as in the case of a Pilot System hunt type)			

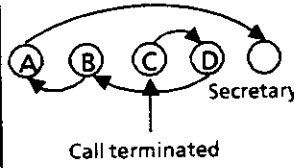
BCD-4317705-0137-01

COMMAND CODE		TITLE:																		
MAT 18		STATION HUNTING GROUP																		
(c) In the case of a Switch Back System:																				
Y		STATION NUMBER (A)		SETTING DATA																
No.	MEANING	DATA	MEANING	DATA	MEANING															
0	Setting of Station Numbers to be included in Station Hunting Group	X } XXXX	Station Number (A)	X } XXXX	Station Number (B)															
<p>Example: 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:</p> <table border="0"> <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;">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> </table> <p>The above operations produce a chain 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 to be included in Station Number Group	X } XXXX		1	Station Number other than the last Station Number of Switch Back System.															
				5	Last Station Number of Switch Back System.															

BCD-4317705-0138-01

COMMAND CODE	TITLE:
(MAT) 18	STATION HUNTING GROUP

(c) In the case of a Switch Back System: ◀:Initial Data

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary Station: Same as in the case of Pilot System Example: 	X	Station Number (A)	00	Secretary Station Serial Number (Same as in the case of Pilot System) The data can be set to the stations belonging to Switch Back System. Also, each station belonging to the same Hunting Group can set its own Secretary Station.
		} XXXX		} 30	
				31 ◀	Not Assigned
3	Display of Station Numbers to be included in Station Hunting Group	(Same as in the case of Pilot System)			

BCD-4317705-0139-03

Note: *The job specification for this command follows the explanation of Command 19.*

COMMAND CODE	TITLE:
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 assigned as destination station of Group Diversion.

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

3. ASSIGNMENT PROCEDURE:

ST + 19Y + DE + **SECRETARY STATION / GROUP DIVERSION SERIAL NUMBER** (00-30) / **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 in each Group Diversion group (See CM08, YY=026)	00: Group Diversion group 00 } 30: Group Diversion group 30 (See [CM16], Y=2)	X } XXXX	Station Number transferred. Data "E000" (ATT) is not provided.

BCD-4317705-0140-01

Note: The Secretary Station Serial Numbers should be assigned, individually, in the order of secretary station hunting 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
⋮	⋮	⋮

Note: *If space is insufficient, use copies.*

STATION NUMBER (A)	MAT CM18			MAT CM19				
	Y			Y				
	0	1	2	0	1	2	6	
	STATION NUMBER (B)	KIND OF STATION HUNT	SECRETARY STATION SERIAL No.	SECRETARY STATION NUMBER (A)	HUNT METHOD	SECRETARY STATION NUMBER (B)	GROUP DIVERSION GROUP No.	DESTINATION STATION No.

BCD-4317705-0141-01

COMMAND 18: +18Y+ +STATION NUMBER+ +SETTING DATA+
 (A) (1 - 4 digits) (1 - 4 digits)

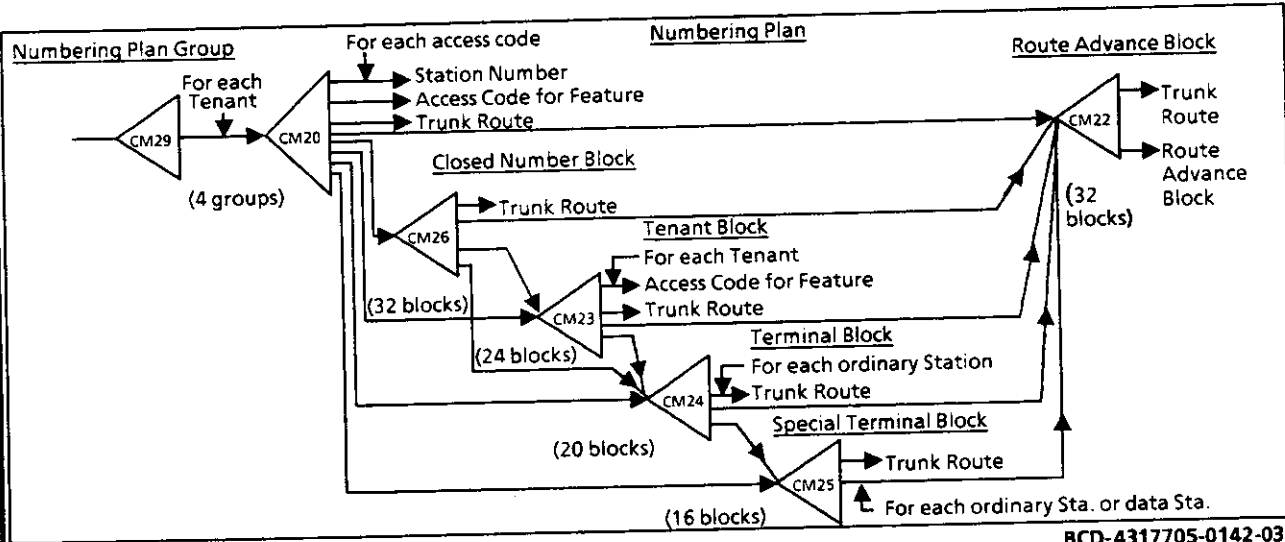
COMMAND 19: +19Y+ +SECRETARY STATION+ + SETTING DATA+
 SERIAL NUMBER (00 - 30) (1 - 4 digits)

COMMAND CODE	TITLE:		
(MAT) 1A	DATA STATION NUMBER		(INITIAL)
1. FUNCTION:			
<p>This command is used to assign the Data Station Numbers for accommodating the data terminals via the Multiline Terminal.</p>			
2. PRECAUTIONS:			
<p>(1) This command requires system initialization after setting the data.</p> <p>(2) This command is included in MAT mode menu "A1" (Station number & Class [COM01]).</p>			
3. ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + 1\text{A} + \boxed{\text{DE}} + \begin{array}{l} \text{PRIMARY EXTENSION} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA STATION} \\ \text{NUMBER} \\ (1 - 4 \text{ digits}) \end{array} + \boxed{\text{EXE}}$			
4. DATA TABLE:			
<p>(1) Primary Extension Numbers (X – XXXX) are given by Command 10 (FX – FXXXX).</p> <p>(2) Data Station Numbers should be different from voice station numbers, Primary Extension Numbers, and Multiline Station Numbers, assigned by Commands 10 and 11.</p>			
<p>Note: <i>The job specification for this command follows the explanation of Command 13.</i></p>			

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

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 Commands 22, 23, 24, and 26. The following figure shows the relationship between commands:



2. PRECAUTIONS:

- (1) This command is included in MAT mode menu "E9" (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).

3. ASSIGNMENT PROCEDURE:

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

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

4. DATA TABLE:

Y		ACCESS CODE		RELATED COMMAND	REMARKS
No.	MEANING				
0	Numbering Plan Group 0	X	X: 0-9, A (*), B (#)	CM 29	
1	Numbering Plan Group 1	}			
2	Numbering Plan Group 2				
3	Numbering Plan Group 3	XXX			

BCD-4317705-0143-01

COMMAND CODE		TITLE:		
MAT 20		NUMBERING PLAN		
ASSIGNMENT DATA			REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING			
000 (OQS)	Trunk Queueing - Outgoing	Set		CM15, YY = 02
001 (OQC)	Trunk Queueing - Outgoing	Cancel		CM35, YY = 28
002 (CBS)	Call Back	Set		CM15, YY = 03
003 (CBC)	Call Back	Cancel		
004 (OQCBS)	Trunk Queueing-Outgoing/Call Back	Set	In the case that Trunk Queueing-Outgoing and Call Back share the same access code. (*1: Set, #1: Cancel)	CM15, YY = 02, 03
005 (OQCBC)	Trunk Queueing-Outgoing/Call Back	Cancel		CM35, YY = 28
006 (EROW)	Executive Override		(*4)	CM15, YY = 05, 09
007 (TCMP)	Camp-on by Station (Transfer method)		(*2)	CM15, YY = 16
008 (PRKS)	Call Park - System	Set	For Single-Line Station/ Multiline Terminal/HA- 610Z/SN610 ATTCN (6*: Set, 6#: Retrieve)	CM15, YY = 96
009 (PRKR)	Call Park - System	Retrieve		
010 (FDAE)	Call Forwarding-All Calls	Entry	(*5)	CM15, YY = 00, 26
011 (FDAC)	Call Forwarding-All Calls	Cancel	(#5)	
012 (FDNBE)	Call Forwarding- No Answer/Busy Line	Entry	When there is No Answer and the Busy Line shares the same access code. For different access codes, set data for 014-017. (*6: Entry, #6: Cancel)	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	(*7)	CM15, YY = 15
019 (FDDC)	Call Forwarding - Destination	Cancel	(#7)	
020 (PICK)	Call Pickup - Group		(74)	CM16
021 (DPICK)	Call Pickup - Direct		(73)	CM15, YY = 14
022 (DNDS)	Do Not Disturb	Set	(*8)	CM15, YY = 19
023 (DNDC)	Do Not Disturb/Return Message Schedule Display	Cancel	(#8)	

BCD-4317705-0144-03

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

ASSIGNMENT DATA		REMARKS	RELATED COMMANDS
DATA	MEANING	() = Number Plan 0 data; Resident System Program	
024 (WUS)	Wake Up Call/Timed Reminder Set	(5*)	CM15, YY = 13
025 (WUC)	Wake Up Call/Timed Reminder Cancel	(5#)	
026			
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		
030			
031			
032			
033	Monitor Note 1		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)	
036			
037 (GPICK)	Call Pickup-Designated Group	(75)	CM15, YY = 14 CM16
038			
039 (BGM)	BGM on Multiline Terminal Set/Reset	(66)	CM15, YY = 32 CM48
040 (MWS)	MW Lamp Control-Set		CM15, YY = 24, 40; CM 90
041 (MWR)	MW Lamp Control-Reset		
043 (D/N)	Day Night Mode Change by Station Dialing	(68)	CM15, YY = 60 CM08-244, 245
044 (UCDBS)	ACD/UCD Station Busy-Out Set		

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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.*

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

ASSIGNMENT DATA		REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING		
045 (UCDBR)	ACD/UCD Station Busy-Out Reset		
046 (CHLD)	Call Hold	(11)	CM15, YY = 01
047 (TASA)	TAS Answer A	(72)	CM15, YY-53
048 (TASB)	TAS Answer B		CM53
049 (TASC)	TAS Answer C		
050 (TASD)	TAS Answer D		
051 (TASE)	TAS Answer E		
054			
055			
056			
057			
058			
059			
060			
061			
062 (PRKT)	Call Park - Tenant	Set/Retrieve	For single-line station/ Multiline Terminal
063			
064 (SPD)	Station Speed Dialing	Origination	(#*)
065 (SPDE)	Station Speed Dialing	Entry	(7*)
066 (SPDC)	Station Speed Dialing	Cancel	(7#)
067 (SY300)	System Speed Dialing	Origination	For 300 numbers (##)
068 (SY2/1)	System Speed Dialing	Origination	For 1000 numbers (2-1000 Slots Memory Blocks)
069 (LAST)	Last Number Redial		(**)

BCD-4317705-0146-02

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

ASSIGNMENT DATA		REMARKS	RELATED COMMANDS
DATA	MEANING	() = Number Plan 0 data; Resident System Program	
070 (PAG 0)	Paging Answer Zone 0		CM15, YY=08; CM44; CM30, YY=28
071 (PAG 1)	Paging Answer Zone 1		
072 (PAG 2)	Paging Answer Zone 2		
073 (PAG 3)	Paging Answer Zone 3		
074 (PAG 4)	Paging Answer Zone 4		
075 (PAG 5)	Paging Answer Zone 5		
076 (PAG 6)	Paging Answer Zone 6		
077 (PAG 7)	Paging Answer Zone 7		
078 (PAG 8)	Paging Answer Zone 8		
079 (PAG 9)	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
082			
083			
084			
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
088 (PRI 0)	Priority Call 0	These calls are routed to the operator at the HA-610Z/SN610 ATTCOM.	CM46
089 (PRI 1)	Priority Call 1		CM15, YY = 17, 18 CM08-250, 251

BCD-4317705-0147-02

COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING		
090 (SPA 0)	Special Operator Call 0	These calls are routed to the operator at the HA-610Z/SN610 ATTCON.	CM46/CM90
091 (SPA 1)	Special Operator Call 1		
092 (SPA 2)	Special Operator Call 2		
093 (SPA 3)	Special Operator Call 3		
094 (EMGC)	Emergency Call		
095 (IATT)	Individual Attendant Access/Attendant Interposition Calling/Transfer		CM06/CM10-E00X; CM46/CM90
096			
097			
098			
099			
800 (OPRC)	Operator Call	These calls are routed to the operator at the HA-610Z/SN610 ATTCON. (0)	CM46/CM90
801 (1 STA)	1 digit-Station		
802 (2 STA)	2 digits-Station		
803 (3 STA)	3 digits-Station	(2, 3, or 4)	
804 (4 STA)	4 digits-Station		
808 (2/3)	2/3 digits-Station		
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)	Voice Recording Memory Card Access (Record)		CM10; CM15, YY = 33
A01 (VRCRP)	Voice Recording Memory Card Access (Replay)		
A02 (VRCDL)	Voice Recording Memory Card Access (Delete)		

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COMMAND CODE		TITLE:	
(MAT) 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING		
A03 (ANRC)	Announcement Service (Record)		CM10; CM15, YY = 34 to 49 CM49, YY = 00 CM35, YY = 69 to 73
A04 (ANORP)	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)		
A08 (AN4RP)	Announcement Service Group 4 (Replay)		
A09 (ANDL)	Announcement Service (Delete)		
A10 (NAME)	Assignment of Station Name	For Multiline Terminal, SN610 ATTCON (62)	CM08 - 255
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 (VWIST)	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 (VWIRS)	Voice Message Waiting Service - System / Individual (resetting of Station Number to be sent)		
A20 (VWIRE)	Voice Message Waiting Service - System / Individual (Retrieve)		
A25 (CWCMP)	Camp-on by Station (Call-Waiting Method)	(#2)	CM15, YY = 43, 44

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COMMAND CODE		TITLE:	
MAT 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS	RELATED COMMANDS
DATA	MEANING	() = Number Plan 0 data; Resident System Program	
A26 (LCR 0)	LCR Group 0		CM8A, YYY = A00
A27 (LCR 1)	LCR Group 1		
A28 (LCR 2)	LCR Group 2		
A29 (LCR 3)	LCR Group 3		This data should be assigned only when an area and LCR Group access code are developed with CM8A.
A30 (IPGC 0)	Internal Zone Paging Group 0	(50)	For calling
A31 (IPGC 1)	Internal Zone Paging Group 1	(51)	
A32 (IPGC 2)	Internal Zone Paging Group 2	(52)	
A33 (IPGC 3)	Internal Zone Paging Group 3	(53)	
A34 (IPGC 4)	Internal Zone Paging Group 4	(54)	
A35 (IPGC 5)	Internal Zone Paging Group 5		
A36 (IPGC 6)	Internal Zone Paging Group 6		
A37 (IPGC 7)	Internal Zone Paging Group 7		For answering
A38 (IPGA 0)	Internal Zone Paging Group 0	(55)	
A39 (IPGA 1)	Internal Zone Paging Group 1	(56)	
A40 (IPGA 2)	Internal Zone Paging Group 2	(57)	
A41 (IPGA 3)	Internal Zone Paging Group 3	(58)	
A42 (IPGA 4)	Internal Zone Paging Group 4	(59)	
A43 (IPGA 5)	Internal Zone Paging Group 5		
A44 (IPGA 6)	Internal Zone Paging Group 6		
A45 (IPGA 7)	Internal Zone Paging Group 7		CM15, YY = 47, 48 CM13 - 03 CM90
A46 (MW/RS)	Message Waiting/Message Reminder Search		
A47 (MW/RA)	Message Waiting/Message Reminder Retrieve		
A48 (MRS)	Message Reminder Set	(*9)	
A49 (MRC)	Message Reminder Cancel	(#9)	

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COMMAND CODE		TITLE:	
(MAT) 20		NUMBERING PLAN	
ASSIGNMENT DATA		REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING		
A50 (SY1/1)	System Speed Dialing Origination	For 1000 numbers (3-1000 Slots Memory Block)	CM08 – 110 CM15, YY = 06
A51 (SY1/1)	System Speed Dialing Origination	For 1000 numbers (1-1000 Slots Memory Block)	CM08 – 111 CM15, YY = 06
A52 (SY0/1)	System Speed Dialing Origination	For 1000 numbers (0-1000 Slots Memory Block)	CM08 – 112 CM15, YY = 06
A54 (MSCDS)	Return Message Schedule Display Set	Cancel Code: See data 023	CM15, YY = 19
A55 (DNATT)	Day/Night Mode Change ATTCON Lockout from SN610 ATTCON	For SN610 ATTCON without MODE key.	CM90
A56 (PRATT)	Data programming for DISA, System Speed Dialing, Date/Time change, and Tone Ringer change from SN610 ATTCON.	For SN610 ATTCON without PROG key.	CM90
A58 (SHFPB)	Sending of Hooking Signal to CENTREX line from PB Telephone		CM35, YY = 86
A63 (V/TON)	Voice Call/Ring Tone programming	For Multiline Terminal	
A64 (AZP)	All Zone Internal Paging	For calling	CM08 – 158

BCD- 4317705-0151-03

COMMAND CODE	TITLE:
(MAT) 20	NUMBERING PLAN

ASSIGNMENT DATA			REMARKS () = Number Plan 0 data; Resident System Program	RELATED COMMANDS
DATA	MEANING			
100 (RT00) } 163 (RT63)	Trunk Route } Trunk Route	00 } 63	Data is to be assigned for Trunk Routes corresponding to the access codes for outgoing trunk calls (COT, ODT, etc.). Note 1	CM30
200 (RTA00) } 231 (RTA31)	Route Advance Block } Route Advance Block	00 } 31	Data is to be assigned in the following two cases: there are two or more trunk routes for outgoing calls; and, for determining the seizing order of the trunk route.	CM22
300 (TNB00) } 323 (TNB23)	Tenant Block } Tenant Block	00 } 23	Data is to be assigned when the purpose and method of the same access code varies with each tenant.	CM23
400 (CAL00) } 419 (CAL19)	Kind of Call Terminal Block } Kind of Call Terminal Block	00 } 19	Data is to be assigned when the purpose and method of the same access code varies with each calling terminal (i.e. HA-610Z/SN610 ATTCON, DP/DTMF telephone).	CM24
500 (SPE00) } 515 (SPE15)	Kind of Special Terminal Block } Kind of Special Terminal Block	00 } 15	Data is to be assigned when the purpose and method of the same access code varies with each special terminal (single-line station/analog data station).	CM25
600 (CLO00) } 631 (CLO31)	Closed Number Block } Closed Number Block	00 } 31	Data is to be assigned in the following two cases: sending the access code directly and converting it into another number.	CM26

BCD- 4317705-0151-03

Note 1: The Resident System Program assigns the following access codes (AC), for Numbering Plan 0, to the following Trunk Routes (TR): AC 9 to TR 00; AC 81 to TR 01; AC 82 to TR 02; AC 83 to TR 04; AC 84 to TR 05; AC 85 to TR 06; and, AC 86 to TR 07.

Note 2: The job specification for this command follows the explanation of Command 21.

COMMAND CODE		TITLE:		
21		SINGLE DIGIT ACCESS CODE		
1. FUNCTION:				
This command sets a single-digit code to be recognized under timing start condition.				
2. PRECAUTIONS:				
None.				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + 21\text{Y} + \boxed{\text{DE}} + \begin{matrix} \text{ACCESS} \\ \text{CODE} \\ (1 \text{ digit}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ (3 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$				
4. DATA 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 CM 20 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
			800	Operator call to HA-610Z/ SN610 ATTCN
		801	Single-digit station	

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COMMAND CODE	TITLE:
22	ROUTE ADVANCE

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

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:

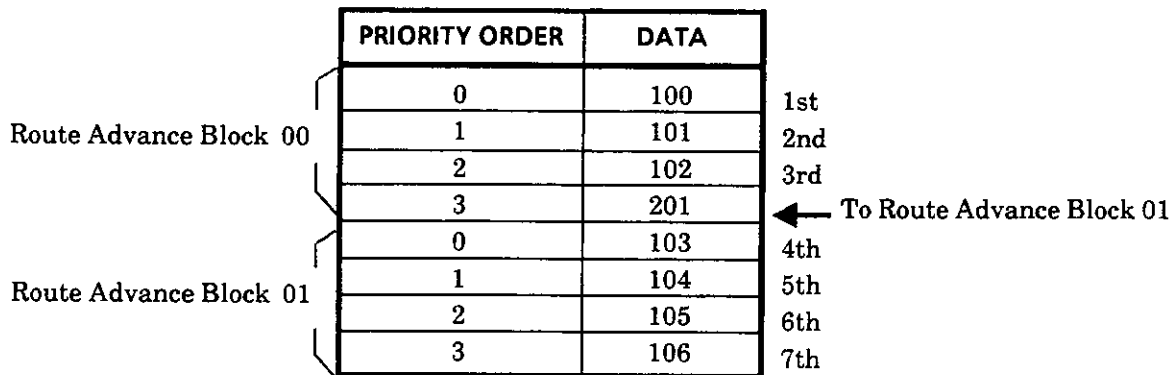
ST + 22YY + DE + ^{PRIORITY} ORDER (1 digit) + DE + ^{DATA} (3 digits) + EXE

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
		3	4th Priority		
30	Route Advance Block 30		Note	200	Route Advance Block 00
31	Route Advance Block 31			}	}
				231	Route Advance Block 31

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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).



BCD-4317705-0155-01

CM22		
YY	PRIORITY	SETTING DATA
00	0	
	1	
	2	
	3	
01	0	
	1	
	2	
	3	
02	0	
	1	
	2	
	3	
03	0	
	1	
	2	
	3	
04	0	
	1	
	2	
	3	
05	0	
	1	
	2	
	3	
06	0	
	1	
	2	
	3	
07	0	
	1	
	2	
	3	
08	0	
	1	
	2	
	3	
09	0	
	1	
	2	
	3	
10	0	
	1	
	2	
	3	

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CM22		
YY	PRIORITY	SETTING DATA
11	0	
	1	
	2	
	3	
12	0	
	1	
	2	
	3	
13	0	
	1	
	2	
	3	
14	0	
	1	
	2	
	3	
15	0	
	1	
	2	
	3	
16	0	
	1	
	2	
	3	
17	0	
	1	
	2	
	3	
18	0	
	1	
	2	
	3	
19	0	
	1	
	2	
	3	
20	0	
	1	
	2	
	3	
21	0	
	1	
	2	
	3	

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CM22		
YY	PRIORITY	SETTING DATA
22	0	
	1	
	2	
	3	
23	0	
	1	
	2	
	3	
24	0	
	1	
	2	
	3	
25	0	
	1	
	2	
	3	
26	0	
	1	
	2	
	3	
27	0	
	1	
	2	
	3	
28	0	
	1	
	2	
	3	
29	0	
	1	
	2	
	3	
30	0	
	1	
	2	
	3	
31	0	
	1	
	2	
	3	

BCD-4317705-0158-01

COMMAND 22: **ST** + 22YY + **DE** + PRIORITY + **DE** + SETTING DATA + **EXE**
 ORDER (1 digit) (3 digits)

COMMAND CODE	TITLE:
23	TENANT DEVELOPMENT

1. FUNCTION:

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 assigned using Commands 22 and 24.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

+ 23YY + + TENANT NUMBER + + DATA +
 (2 digits) (3 digits)

4. DATA TABLE:

YY		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
00	Tenant Block 00	00	Tenant 00	000	Features (Refer to Command 20)	CM20
}	}	}	}	}		
23	Tenant Block 23	63	Tenant 63	099		
				800		
				811		
				A00		
				A99		
				100	Trunk Route 00	CM30
				163	Trunk Route 63	
				200	Route Advance Block 00	CM22
				231	Route Advance Block 31	
				400	Kind of Calling Terminal Block 00	CM24
				419	Kind of Calling Terminal Block 19	
				600	Closed Number Block 00	CM26
				631	Closed Number Block 31	

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Note: If space is insufficient, use copies.

CM23		
YY (00 - 23)	TENANT NUMBER (00 - 63)	SETTING DATA
	00	
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	08	
	09	
	10	
	11	
	12	
	13	
	14	
	15	

BCD-4317705-0160-02

CM23		
YY (00 - 23)	TENANT NUMBER (00 - 63)	SETTING DATA

BCD-4317705-0160-02

CM23		
YY (00 - 23)	TENANT NUMBER (00 - 63)	SETTING DATA

BCD-4317705-0160-02

CM23		
YY (00 - 23)	TENANT NUMBER (00 - 63)	SETTING DATA

BCD-4317705-0160-02

COMMAND 23: + 23YY + + TENANT + + SETTING +
 NUMBER (2 digits) DATA (3 digits)

COMMAND CODE	TITLE:
24	KIND OF CALLING TERMINAL DEVELOPMENT

1. FUNCTION:

Trunk routes are assigned for each kind of calling terminal by developing access codes for each calling terminal. For calling terminal assignments requiring development of route advance and special terminal data for trunk route assignments, each of these developments and the corresponding trunk routes are assigned using Commands 22 and 25.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

+ 24YY + + **KIND OF CALLING TERMINAL** + + **DATA** +
 (1 digit) (3 digits)

4. DATA TABLE:

YY		KIND OF CALLING TERMINAL	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Kind of Calling Terminal Block 00	0: HA-610Z/ SN610 ATTCON	100	Trunk Route 00	CM30
			163	Trunk Route 63	
19	Kind of Calling Terminal Block 19	1: Station (DTMF) 2: Not used 3: Station (DP)	200	Route Advance Block 00	CM22
			231	Route Advance Block 31	
			500	Kind of Special Terminal Block 00	CM25
			515	Kind of Special Terminal Block 15	

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CM24		
YY	KIND OF CALLING TERMINAL	SETTING DATA
00	0	
	1	
	2	
	3	
01	0	
	1	
	2	
	3	
02	0	
	1	
	2	
	3	
03	0	
	1	
	2	
	3	
04	0	
	1	
	2	
	3	
05	0	
	1	
	2	
	3	
06	0	
	1	
	2	
	3	
07	0	
	1	
	2	
	3	
08	0	
	1	
	2	
	3	
09	0	
	1	
	2	
	3	

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CM24		
YY	KIND OF CALLING TERMINAL	SETTING DATA
10	0	
	1	
	2	
	3	
11	0	
	1	
	2	
	3	
12	0	
	1	
	2	
	3	
13	0	
	1	
	2	
	3	
14	0	
	1	
	2	
	3	
15	0	
	1	
	2	
	3	
16	0	
	1	
	2	
	3	
17	0	
	1	
	2	
	3	
18	0	
	1	
	2	
	3	
19	0	
	1	
	2	
	3	

BCD-4317705-0163-02

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

COMMAND CODE	TITLE:
25	KIND OF SPECIAL TERMINAL DEVELOPMENT

1. FUNCTION:

Trunk routes are assigned for each kind of special terminal by developing access codes for each kind of special terminal. 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 Command 22.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

YY		KIND OF SPECIAL TERMINAL	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Kind of Special Terminal Block 00	0 Ordinary Station 1 Analog Data Station (FAX or Modem) (See CM13, YY=07)	100	Trunk Route 00	CM30
}	}		}	}	
15	Kind of Special Terminal Block 15		200	Route Advance Block 00	
			}	}	CM22
			231	Route Advance Block 31	

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CM25		
YY	KIND OF SPECIAL TERMINAL	SETTING DATA
00	0	
	1	
01	0	
	1	
02	0	
	1	
03	0	
	1	
04	0	
	1	
05	0	
	1	
06	0	
	1	
07	0	
	1	

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CM25		
YY	KIND OF SPECIAL TERMINAL	SETTING DATA
08	0	
	1	
09	0	
	1	
10	0	
	1	
11	0	
	1	
12	0	
	1	
13	0	
	1	
14	0	
	1	
15	0	
	1	

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COMMAND 25: + 25YY + + KIND OF SPECIAL + + SETTING DATA +
 TERMINAL (1 digit) (3 digits)

COMMAND CODE	TITLE:
MAT 26	CLOSED NUMBER DEVELOPMENT

1. FUNCTION:

Trunk routes are assigned for each closed number by developing access codes for each closed number. 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 Commands 22, 23, and 24.

2. PRECAUTIONS:

(1) This command is included in MAT mode menu "B3" (Closed number [COM02]).

3. ASSIGNMENT PROCEDURE:

ST + 26Y + **DE** + NUMBER OF
CLOSED NUMBER BLOCK + **DE** + DATA + **EXE**
(00-31)

4. DATA TABLE:

◀ :Initial Data

Y No.	CLOSED NUMBER BLOCK		SETTING DATA			RELATED COMMAND
	No.	MEANING	DATA	MEANING		
0 (RT Data)	00	Closed Number Block00	100	Trunk Route	00	CM30
	31	Closed Number Block31	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	23	
1 (Additional digits)	00	Closed Number Block00	X	Additional digits (1-10) X=0-9, A(*), B(#) C (Fixed Pause), D (Programmable Pause)		
	31	Closed Number Block31	XX--X (10 digits)			
2 (Additional kind)	00	Closed Number Block00	1	Convert into the digits as per Y=1.		
	31	Closed Number Block31	2 3 ◀	Add the digits as per Y=1. Closed Number		

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◀:Initial Data

(MAT)		CM 26		
CLOSED NUMBER BLOCK	SETTING DATA			
	Y=0 (RT DATA)	Y=1 (ADDITIONAL DIGITS)	Y=2 (ADDITION- AL KIND)	
00				
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				
			3	

BCD-4317705-0167-01

COMMAND 26: [ST] + 26Y + [DE] + NUMBER OF CLOSED + [DE] + SETTING DATA + [EXE]
 NUMBER BLOCK (2 digits) (1 – 10 digits)

COMMAND CODE	TITLE:
MAT 29	NUMBERING PLAN TENANT GROUP

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 to be assigned on a tenant basis.

2. PRECAUTIONS:

- (1) This command is included in MAT mode menu "E9" (Numbering Plan [COM03]).
- (2) If the data is not assigned ("NONE"), the Numbering Plan Group will be recognized as "0".

3. ASSIGNMENT PROCEDURE:

+ 29 + + TENANT NUMBER (2 digits) + + DATA (3 digits) +

4. DATA TABLE:

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

BCD-4317705-0168-03

MAT CM29	
TENANT	SETTING DATA
00	
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	

BCD-4317705-0169-01

MAT CM29	
TENANT	SETTING DATA
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	

BCD-4317705-0170-01

COMMAND 29: **ST** + 29 + **DE** + TENANT NUMBER + **DE** + SETTING DATA + **EXE**
 (2 digits) (3 digits)

COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH MP

1. FUNCTION:

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

2. PRECAUTIONS:

These ID codes are available, when [CM08-216/217] are assigned to "0".

3. ASSIGNMENT PROCEDURE:

ST + 2AY + DE + ID CODE No. (2 digits) + DE + DATA (1 - 16 digits) + EXE

4. DATA TABLE:

◀:Initial Data

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 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)

BCD-4317705-0171-04

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	<table style="border: none;"> <tr> <td style="text-align: center; vertical-align: middle;">XX</td> <td style="text-align: center; vertical-align: middle;">XX</td> <td style="border: none; padding-left: 10px;"> Service Class B (00-15 ◀) Service Class A (00-15 ◀) Note </td> </tr> </table>	XX	XX	Service Class B (00-15 ◀) Service Class A (00-15 ◀) Note
XX	XX	Service Class B (00-15 ◀) Service Class A (00-15 ◀) Note					
4	Service Class C for Authorization Code/Forced Account Code	XX: 00-99	XX	Service Feature Class C (00-15 ◀) Note			
5	Setting of ID Code for Direct Inward System Access (DISA)	XX: 00-07	X } X-X	ID Code (Max. 16 digits) (See CM42-13)			
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	<table style="border: none;"> <tr> <td style="text-align: center; vertical-align: middle;">XX</td> <td style="text-align: center; vertical-align: middle;">XX</td> <td style="border: none; padding-left: 10px;"> Service Feature Class B (00-15 ◀) Service Feature Class A (00-15 ◀) Note </td> </tr> </table>	XX	XX	Service Feature Class B (00-15 ◀) Service Feature Class A (00-15 ◀) Note
XX	XX	Service Feature Class B (00-15 ◀) Service Feature Class A (00-15 ◀) Note					
8	Service Class C for Direct Inward System Access (DISA)	XX: 00-07	XX	Service Feature Class C (00-15 ◀) Note			

BCD-4317705-0172-03

Note: The features available in each class are assigned with Command 15.

CM2A (3/3)

◀ : Initial Data

CM2A (Y = 0 - 4)						
ID CODE No. (00 - 99)	Y					
	0	1	2	3		4
	ID CODE (MAX. 8 DIGITS)	1 } 3	1 } 8	00 } 15	00 } 15	00 } 15
	NONE	1	15	15	15	

BCD-4317705-0173-01

◀ : Initial Data

CM2A (Y = 5 - 8)					
ID CODE No. (00 - 07)	Y				
	5	6	7		8
	ID CODE (MAX. 16 DIGITS)	1 } 8	00 } 15	00 } 15	00 } 15
		1	15	15	15

BCD-4317705-0174-01

COMMAND 2A: ST + 2AY + DE + ID CODE No. + DE + DATA + EXE
 (2 digits) (1 - 16 digits)

COMMAND CODE	TITLE:
MAT 30	TRUNK DATA

1. FUNCTION:

This command is used to assign characteristics to trunk lines which have been defined with Command 10.

2. PRECAUTIONS:

(1) This command is included in MAT mode menu "B1" (Trunk number & data [COM01]).

3. ASSIGNMENT PROCEDURE:

+ 30YY + + TRUNK NUMBER (000-255) + + DATA (1-5 digits) +

4. DATA TABLE:

◀:Initial Data

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
00 (RT)	Trunk Route Allocation	00	Trunk Route Number 00	CM35
		{	{	
01 (TN)	Allocation of tenants to trunks	63	Trunk Route Number 63	CM63, Y = 0, 2; CM49, YY = 01-07; CM51; CM64; CM65
		00	Tenant Number 00	
{	{			
63	Tenant Number 63			

BCD-4317705-0175-03

COMMAND CODE	TITLE:
(MAT) 30	TRUNK DATA

◀ :Initial Data

YY		SETTING DATA		RELATED COMMANDS		
No.	MEANING	DATA	MEANING			
02 (DIC)	Terminating System in Day Mode for incoming C.O. calls Notes 1 & 2	00		CM30, YY = 18		
		01				
		02	Trunk-Direct Appearances			
				03	Trunk-Direct Appearances + TAS	CM30, YY = 04
				04	Direct-In Termination	
				05		
				06		CM49, YY = 00 CM64
				07		
				08		
				09	Automated Attendant	CM30, YY = 17
				10		
				11	HA-610Z/SN610 ATTCON + Trunk-Direct Appearances	
				12		CM30, YY = 17
				13	TAS	
				14	Termination to HA-610Z/SN610 ATTCON	
				15		
				16	Direct Inward System Access (DISA)	
				17		
				18		
		19	HA-610Z/SN610 ATTCON + TAS			
		20	HA-610Z/SN610 ATTCON + Trunk-Direct Appearances + TAS			
		31	◀ DID, TIE, and any call which is not handled by the PABX			

BCD-4317705-0176-03

Note 1: When data "02", "03", "11" or "20" is assigned, the data for YY = 18 (Trunk-Direct Appearances to be provided) should be set to "0".

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

COMMAND CODE	TITLE:
(MAT) 30	TRUNK DATA

◀:Initial Data

YY		SETTING DATA		RELATED COMMANDS			
No.	MEANING	DATA	MEANING				
03 (NIC)	Terminating System in Night Mode for incoming C.O. calls (refer to Notes 1 & 2 on the previous page)	00		CM30, YY=18			
		01					
		02	Trunk-Direct Appearances		CM30, YY=05		
		03	Trunk-Direct Appearances + TAS				
		04	Night Station/Direct-In Termination				
		05					
		06					
		07					
		08					
		09	Automated Attendant			CM49	
		10					
		11	HA-610Z/SN610 ATTCON + Trunk-Direct Appearances				
		12					
		13	TAS				CM30, YY=17
		14	Termination to HA-610Z/SN610 ATTCON				
		15					
		16	Direct Inward System Access (DISA)				
		17					
		18					
		19	HA-610Z/SN610 ATTCON + TAS				
20	HA-610Z/SN610 ATTCON + Trunk-Direct Appearances + TAS						
31	◀ DID, TIE and any call which is not handled by the PABX						

BCD-4317705-0177-03

COMMAND CODE	TITLE:
(MAT) 30	TRUNK DATA

YY		SETTING DATA		RELATED COMMANDS
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, 1A CM08-179
		EBXXX	Voice Message Recording Card Number (XXX=000-127)	
05 (NDIT)	Direct-In Termination in Night Mode	X { XXXX	Station Number for Direct-In Termination in Night Mode: Night Connection-Fixed	CM10, 11, 1A CM08-179
		EBXXX	Voice Message Recording Card Number: Night Announcement (XXX=000-127)	
08 (NTMB)	Restriction of outgoing connection during Night Mode	0 1 ◀	Restricted Allowed	CM60 CM61
09 (TRKG)	Trunk Group Number Note	01 { 62	01-10: Identification of Trunk Group Busy Lamps on attendant consoles (HA-610Z ATTCON). 01-62: Identification of Trunk Group Busy Lamps on external display device (CM44) or on the Multiline Terminal/SN610 ATTCON (CM 90)	CM44 CM90

BCD-4317705-0177-03

Note: *Paging trunks cannot be assigned to a Trunk Group Busy Lamp.*

COMMAND CODE		TITLE:		
MAT 30		TRUNK DATA		
4. DATA TABLE				◀ : Initial Data
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
13 (DBSY)	Handling of busy/not available Direct-In Termination destination in Day Mode.	00	Forward to TAS BUZZER Indication	CM44,CM53
		01		
		02	Forward to HA-610Z/SN610 ATTCON	
		03		
		04		
		05	Automatic Camp-On	
		06		
15 ◀	Keep the call ringing (waiting until the station becomes idle)			
14 (NBSY)	Handling of busy/not available Direct-In Termination destination in Night Mode.	00	Same as YY = 13	
		}		
		15 ◀		
15 (DDNA)	Handling of unanswered calls to Direct-in Termination destinations in Day Mode	00	HA-610Z/SN610 ATTCON	CM41,Y=0, Function No. 01
		01		
		02	TAS	
		03		
		04		
		}	} Not used	
		14		
15 ◀	Keep the call ringing			
16 (NDNA)	Handling of unanswered calls to Direct-in Termination destinations in Night Mode.	00	HA-610Z/SN610 ATTCON	CM41,Y=0, Function No. 01
		01		
		02	TAS	
		03		
		04		
		}	} Not used	
		14		
15 ◀	Keep the call ringing			

BCD-4317705-0178-03

COMMAND CODE	TITLE:
(MAT) 30	TRUNK DATA

◀:Initial Data

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
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 Appearances	0 1 ◀	To be Provided Not to be Provided	CM30, YY=02, 03
19 (LDN)	Assignment of Trunk ID code	XXXX	Trunk ID code Note	

BCD-4317705-0179-02

Note: 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 HA-610Z/SN610 ATTCOM or Multiline Terminal.

COMMAND CODE	TITLE:
(MAT) 30	TRUNK DATA

◀:Initial Data

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
28 (PAGA)	Paging Answer Zone/kind of Paging	XX	<p>X X</p> <p>└─ Paging Answer Zone</p> <p>└─ Kind of Paging</p>	CM20-070 } 079 CM44-02XX CM 35 YY=08 CM35, YY= 08,13
			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	

BCD-4317705-0180-01

COMMAND CODE		TITLE:		
(MAT) 30		TRUNK DATA		
◀ :Initial Data				
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
30 (DRAD)	Handling of busy/not available Automated Attendant/DISA destination in Day Mode.	00	Disconnection	CM41, Y = 0, Function 34 CM45
		01	Forward to TAS Indicator	
		02		
		03	Forward to HA-610Z/ SN610 ATTCON	
		04	Forward to DIT Station	CM30, YY = 04, 05
		06	DT Connection (Redial)	
		07		
		08	Automated Attendant: Announcement and DT Connection (Redial) or DISA: Disconnection.	CM49, YY = 02
15 ◀	Disconnection			
31 (NRAD)	Handling of busy/not available Automated Attendant/DISA destination in Night Mode.	00	Same as YY = 30	CM41, Y = 0, Function 34 CM45
		}		
		15 ◀		
32 (RATO)	Handling of timed-out Automated Attendant call.	00	Disconnection	CM41, Y = 0, Function 43 CM45
		01	Forward to TAS Indicator	
		02		
		03	Forward to HA-610Z/ SN610 ATTCON	CM30 YY = 04, 05 CM48, Y = 2
		04	Forward to DIT Station	
		06	DT Connection (Redial)	
		07		
15 ◀	Disconnection			
33 (RAB)	In case 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 HA-610Z/ SN610 ATTCON	
		04		
		07		
15 ◀	Disconnection			
35	Assignment of CIC (Circuit Identification Code) used for No. 7 CCIS.	001	CIC 001	CM30, YY = 02, 03
		}	}	
		127 ◀	CIC 127	

BCD-4317705-0181-04

◀ : Initial Data

CM30																
TRUNK NUMBER	YY															
	00 (RT)	01 (TN)	02 (DIC)	03 (NIC)	04 (DDIT)	05 (NDIT)	08 (NTMB)	09 (TRKG)	13 (DBSY)	14 (NBSY)	15 (DONA)	16 (NDNA)	17 (TASG)	18 (MAST)	19 (LDN)	28 (PAGA)
	00 } 63	00 } 63	00 } 31	00 } 31	X } XXXX EBXXX	X } XXXX EBXXX	0/1	01 } 62	00 } 15	00 } 15	00 } 15	00 } 15	00 } 63	0/1	XXXX	XX
		00	31	31			1		15	15	15	15		1		
000																
001																
002																
003																
004																
005																
006																
007																
008																
009																
010																
011																
012																
013																
014																
015																

BCD-4317705-0182-01

COMMAND 30: + 30YY + + TRUNK NUMBER + + SETTING DATA +
 (3 digits) (1 - 5 digits)

CM30 (10/18)

◀ : Initial Data

MAT CM30					TRUNK NUMBER
YY					
30 (DRAD)	31 (NRAD)	32 (RATO)	33 (RAB)	35	
00 }	00 }	00 }	00 }	00 }	
15	15	15	15	127	
15	15	15	15	127	◀
					000
					001
					002
					003
					004
					005
					006
					007
					008
					009
					010
					011
					012
					013
					014
					015

BCD-4317705-0183-01

◀ : Initial Data

CM30																
TRUNK NUMBER	YY															
	00 (RT)	01 (TN)	02 (DIC)	03 (NIC)	04 (DDIT)	05 (NDIT)	08 (NTMB)	09 (TRKG)	13 (DBSY)	14 (NBSY)	15 (DDNA)	16 (NDNA)	17 (TASG)	18 (MAST)	19 (LON)	28 (PAGA)
	00 } 63	00 } 63	00 } 31	00 } 31	X } XXXX EBXXX	X } XXXX EBXXX	0/1	01 } 62	00 } 15	00 } 15	00 } 15	00 } 15	00 } 63	0/1	XXXX	XX
		00	31	31			1		15	15	15	15		1		
016																
017																
018																
019																
020																
021																
022																
023																
024																
025																
026																
027																
028																
029																
030																
031																

BCD-4317705-0184-01

COMMAND 30: + 30YY + + TRUNK NUMBER + + SETTING DATA +
 (3 digits) (1 - 5 digits)

CM30 (12/18)

◀ : Initial Data

MAT CM30					TRUNK NUMBER
YY					
30 (DRAD)	31 (NRAD)	32 (RATO)	33 (RAB)	35	
00 }	00 }	00 }	00 }	00 }	
15	15	15	15	127	
15	15	15	15	127	◀
					000
					001
					002
					003
					004
					005
					006
					007
					008
					009
					010
					011
					012
					013
					014
					015

BCD-4317705-0183-01

◀ : Initial Data

CM30																
TRUNK NUMBER	YY															
	00 (RT)	01 (TN)	02 (DIC)	03 (NIC)	04 (DDIT)	05 (NDIT)	08 (NTMB)	09 (TRKG)	13 (DBSY)	14 (NBSY)	15 (DDNA)	16 (NDNA)	17 (TASG)	18 (MAST)	19 (LDN)	28 (PAGA)
	00 } 63	00 } 63	00 } 31	00 } 31	X } XXXX EBXXX	X } XXXX EBXXX	0/1	01 } 62	00 } 15	00 } 15	00 } 15	00 } 15	00 } 63	0/1	XXXX	XX
		00	31	31			1		15	15	15	15		1		
032																
033																
034																
035																
036																
037																
038																
039																
040																
041																
042																
043																
044																
045																
046																
047																

BCD-4317705-0186-01

COMMAND 30: **ST** + 30YY + **DE** + TRUNK NUMBER + **DE** + SETTING DATA + **EXE**
 (3 digits) (1 - 5 digits)

CM30 (14/18)

◀: Initial Data

MAT CM30					TRUNK NUMBER
YY					
30 (DRAD)	31 (NRAD)	32 (RATO)	33 (RAB)	35	
00 }	00 }	00 }	00 }	00 }	
15	15	15	15	127	
15	15	15	15	127	
					000
					001
					002
					003
					004
					005
					006
					007
					008
					009
					010
					011
					012
					013
					014
					015

BCD-4317705-0183-01

◀ : Initial Data

CM30																
TRUNK NUMBER	YY															
	00 (RT)	01 (TN)	02 (DIC)	03 (NIC)	04 (DDIT)	05 (NDIT)	08 (NTMB)	09 (TRKG)	13 (DBSY)	14 (NBSY)	15 (DDNA)	16 (NDNA)	17 (TASG)	18 (MAST)	19 (LDN)	28 (PAGA)
	00 }	00 }	00 }	00 }	X }	X }	0/1	01 }	00 }	00 }	00 }	00 }	00 }	0/1	XXXX	XX
	63	63	31	31	EBXXX	EBXXX		62	15	15	15	15	63			
		00	31	31			1		15	15	15	15		1		
048																
049																
050																
051																
052																
053																
054																
055																
056																
057																
058																
059																
060																
061																
062																
063																

BCD-4317705-0188-01

COMMAND 30: + 30YY + + TRUNK NUMBER + + SETTING DATA +
 (3 digits) (1-5 digits)

CM30 (16/18)

◀ : Initial Data

MAT CM30					TRUNK NUMBER
YY					
30 (DRAD)	31 (NRAD)	32 (RATO)	33 (RAB)	35	
00 }	00 }	00 }	00 }	00 }	
15	15	15	15	127	
15	15	15	15	127	
					000
					001
					002
					003
					004
					005
					006
					007
					008
					009
					010
					011
					012
					013
					014
					015

BCD-4317705-0183-01

◀ : Initial Data

MAT		CM30															
		YY															
		00 (RT)	01 (TN)	02 (DIC)	03 (NIC)	04 (DDIT)	05 (NDIT)	08 (NTMB)	09 (TRKG)	13 (DBSY)	14 (NBSY)	15 (DDNA)	16 (NDNA)	17 (TASG)	18 (MAST)	19 (LDN)	28 (PAGA)
TRUNK NUMBER	00 }	00 }	00 }	00 }	X }	X }	0/1	01 }	00 }	00 }	00 }	00 }	00 }	0/1	XXXX }	XX	
	63	63	31	31	EBXXX	EBXXX		62	15	15	15	15	63				
		00	31	31			1		15	15	15	15		1			

BCD-4317705-0190-01

COMMAND 30: [ST] +30YY+ [DE] +TRUNK NUMBER+ [DE] +SETTING DATA+ [EXE]
(3 digits) (1-5 digits)

CM30 (18/18)

Note: It space is insufficient, use copies.

◀ : Initial Data

(MAT) CM30					TRUNK NUMBER
YY					
30 (DRAD)	31 (NRAD)	32 (RATO)	33 (RAB)	35	
00 }	00 }	00 }	00 }	00 }	
15	15	15	15	127	
15	15	15	15	127	◀
					000
					001
					002
					003
					004
					005
					006
					007
					008
					009
					010
					011
					012
					013
					014
					015

BCD-4317705-0183-01

COMMAND CODE	TITLE:
MAT 35	TRUNK ROUTE DATA

1. FUNCTION:
 This command is used to assign trunk route characteristics. A trunk route is a group of trunks with common characteristics used for a common purpose.

2. PRECAUTIONS:
 (1) The table below shows the value of ODT/DTI PAD assigned by YY = 19, Data 4 - 7. (T:Transmitter PAD (dB), R:Receiver PAD (dB))

CONNECTION PATTERN	DATA = 4(T/R)	DATA = 5(T/R)	DATA = 6(T/R)	DATA = 7(T/R)
Station - ODT	-12/-11	-4/-4	0/0	-2/-2
Tone - ODT	-12/-11	-4/-4	0/0	-2/-2
COT/DIT/EMT - ODT	-4/-4	-2/-2	0/0	0/0
ODT - ODT	-4/-4	-2/-2	0/0	0/0
Station - DTI	-3/-8	-3/-8	-3/-3	-3/-3
Tone - DTI	-3/-8	-3/-8	-3/-3	-3/-3
COT/DIT/EMT - DTI	0/-6	+3/-3	0/0	0/0
ODT - DTI	0/-6	+3/-3	0/0	0/0
DTI - DTI	0/0	0/0	-3/-3	0/0

BCD-4317705-0192-03

(2) When assigning Tie Lines, the data in YY=09 (Incoming Call Signaling System) should be equivalent to that of YY=20 (Sender Starting Condition). The table below shows the assignment of 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)	

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

3. ASSIGNMENT PROCEDURE:

ST + 35 YY + **DE** + TRUNK ROUTE + **DE** + DATA (1 - 3 digits) + **EXE**
 (00 - 63)

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

4. DATA TABLE:

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (TK)	Kind of Trunk Route	00	DDD (C.O., etc.) Trunk	
		01	FX Trunk	
		02	WATS Trunk	
		03	CCSA Trunk	
		04	TIE (Tie Line) Trunk	
		05	Paging Trunk/Interface with BGM Tone Source and Wake Up Announce	
		06		
		07		
		08		
		09		
		10		
		11		
		12		
		13		
		14		
15	Unused			
01 (PBDP)	Dialing Signal Type	0	[Call Termination] [Call Origination]	
		1		
		2	DP DP	
		3		
		4	DTMF DTMF	
		5		
		6		
		7	DP/DTMF DTMF	
02 (OGIC)	Call Direction	0		
		1	Incoming Trunk	
		2	Outgoing Trunk	
		3	Bothway Trunk	
03 (NAME)	Trunk Name Number	00	Trunk Name 00	CM77, Y = 2, 3
		14	Trunk Name 14	
		15	Kind of Trunk Route assigned by CM35, YY = 00 is displayed	
		16	Trunk Name 16	
		63	Trunk Name 63	

◀:Initial Data

BCD-4317705-0069-03

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04 (ANS)	Application of answer signal from the distant office for outgoing connection.	0		
		1	Battery Reversal (C.O. line)	
		2	Answer Signal arrives (Tie line)	
		3		
		7	◀ Answer Signal does not arrive (Tie Line/C.O. Line) (Answer timing shall be set by Command 41, Y = 0, Function No. 03)	
05 (RLS)	Application of release signal from the distant office in a case of an outgoing connection or an incoming connection	0	Release Signal does not arrive (Loop Start C.O. w/o Release Signal)	
		1	◀ Release Signal arrives (Tie line/Ground Start/Loop Start with Release Signal/DID)	
08 (DIAL)	Sending the dial pulse for an outgoing call	1	No Dial pulses are sent out (Speaker Paging)	
		2	Dial pulses are sent out: for test (release the register/sender when the calling station is on-hook)	
		3	◀ Dial pulses are sent out (C.O. line/Tie Line/Radio Paging)	
09 (SIGI)	Incoming Connection Signaling:	00		CM35, YY = 20
		01	Ring Down (Ground Start C.O.)	
		02		
		03	Wink Start	
		04	Delay Dial	
		05	Immediate Start	
		06	2nd DT/Timing Start-Tie Line	
		07		
15	◀ Ring Down (Loop Start C.O.)			

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COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

YY		SETTING DATA		RELATED COMMAND				
No.	MEANING	DATA	MEANING					
10 (DT)	2nd DT Sending on Call Termination	0	2nd DT is not sent (DID, etc.)					
		1 ◀	2nd DT is sent					
11 (TRP)	Toll Restriction	0	To be provided	CM81 CM8A CM85 CM35, YY = 76				
		1						
		2						
		3 ◀	Not to be provided					
12 (PDG)	Number of digits to be received on DID.	0	1 digit	CM76 CM35, YY = 18				
		1	2 digits					
		2	3 digits					
		3 ◀	4 digits					
13 (MAXD)	Maximum number of sending digits allowed on Outgoing Connection: With respect to C.O. Trunks, data assignment is not required.	None ◀	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;"><u>Ordinary TRK</u></td> <td style="text-align: center;"><u>Radio Paging TRK</u></td> </tr> <tr> <td style="text-align: center;">Determined by CM35, YY = 76 Note 1</td> <td style="text-align: center;">2 digits + STN Note 2</td> </tr> </table>	<u>Ordinary TRK</u>	<u>Radio Paging TRK</u>	Determined by CM35, YY = 76 Note 1	2 digits + STN Note 2	CM30, YY = 28
		<u>Ordinary TRK</u>	<u>Radio Paging TRK</u>					
		Determined by CM35, YY = 76 Note 1	2 digits + STN Note 2					
		000	—	Only depressed No. will be sent.				
		001	1 digit	1 digit + STN				
		002	2 digits	2 digits + STN				
		003	3 digits	3 digits + STN				
		004	4 digits	4 digits + STN				
005	5 digits	4 digits + STN						
{ 031	{ 31 digits	} 2 digits + STN						
14 (SMDO)	SMDR/Centralized Billing - CCIS for outgoing call	0	Not to be provided	CM13, YY = 06				
		1 ◀	To be provided					

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Note 1: In case of CM35, YY = 76, Data = "15", not specified (release the sender by time out or by answering the signal from the called distant office).
In case of CM35, YY = 76, Data = "00-04", specified by the dialed digits which are assigned by CM85.

Note 2: STN is the calling party's station number and this number is sent automatically by CM30-28, Data = "x6".

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
15 (ICI)	Kind of Call Termination Indicator key/lamp on HA-610Z/SN610 ATTCON. With respect to incoming calls of the same kind (C.O. incoming calls, Tie Line incoming calls), Call Termination Indicator lamps on the HA-610Z/SN610 ATTCON, the kinds of incoming calls are further categorized. Note 1: <i>When the standard lamp indications are utilized, assign the data for the standard assignment for each incoming call.</i> Note 2: <i>The correspondence between the key positions on the HA-610Z / SN610 ATTCON and the assignment data should be assigned in Command 46 or Command 90.</i>	00	C.O. Incoming 0 (Standard "LDN" key)	CM46, CM90
		01	C.O. Incoming 1	
		02	C.O. Incoming 2	
		03	C.O. Incoming 3	
		04	C.O. Incoming 4	
		05	C.O. Incoming 5	
		06	C.O. Incoming 6	
		07	C.O. Incoming 7	
		10	FX Incoming 0 (Standard "FX" key)	
		11	FX Incoming 1	
		12	FX Incoming 2	
		13	FX Incoming 3	
		14	FX Incoming 4	
		15	FX Incoming 5	
		16	FX Incoming 6	
		17	FX Incoming 7	
		20	WATS Incoming 0 (Standard "WATS" key)	
		21	WATS Incoming 1	
		22	WATS Incoming 2	
		23	WATS Incoming 3	
		24	WATS Incoming 4	
		25	WATS Incoming 5	
		26	WATS Incoming 6	
		27	WATS Incoming 7	
		30	CCSA Incoming 0 (Standard "CCSA" key)	
		31	CCSA Incoming 1	
		32	CCSA Incoming 2	
		33	CCSA Incoming 3	
		34	CCSA Incoming 4	
		35	CCSA Incoming 5	
		36	CCSA Incoming 6	
		37	CCSA Incoming 7	
		40	Tie Line Incoming 0 (Standard "TIE" key)	
		41	Tie Line Incoming 1	
		42	Tie Line Incoming 2	
		43	Tie Line Incoming 3	
		44	Tie Line Incoming 4	
		45	Tie Line Incoming 5	
		46	Tie Line Incoming 6	
		47	Tie Line Incoming 7	

BCD-4317705-0196-01

COMMAND CODE		TITLE:		
MAT 35		TRUNK ROUTE DATA		
◀ :Initial Data				
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
16 (SHF)	Hooking Signal Sending to outside	0 1 ◀	Not Sending Sending	CM90, YY=00 Data = F1009; CM41, Y=2, Function 17
17 (SKP)	Digit addition and deletion at the time of a Tie Line incoming call: In the case of an incoming call from a Tie Line, if the number of digits arriving from the distant office does not coincide with the 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-digit deletion Addition/deletion is not performed.	
18 (DID)	Digit conversion on DID call	0 1 ◀	To be provided Not to be provided.	CM76
19 (PAD)	PAD Control	0 1 2 3 4 5 6 7 ◀	} Not used } See Precaution (1)	
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

BCD-4317705-0197-02

COMMAND CODE		TITLE:		
(MAT) 35		TRUNK ROUTE DATA		
				◀Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
21 (PPT)	Sender Prepause Timing	00	0 sec	
		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			
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	33 % Make Ratio	
		1	39 % Make Ratio	
26 (PBLs)	DTMF Signal Width	0	64 ms	
		1	128 ms	
28 (OGQ)	Trunk Queuing- Outgoing	0	Restricted	CM15,YY = 02
		1	Allowed	

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COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
33 (RG)	Interval of ringing signal to station on incoming calls.	0	0.4 s ON-0.2 s OFF-0.4 s ON-2.0 s OFF Note	
		1	0.4 s ON-0.2 s OFF-0.4 s ON-2.0 s OFF	
		2	1 s ON-2 s OFF	
		3 ◀	2 s ON-4 s OFF	
34 (TONE)	Multiline Terminal Tone Ringer on Incoming calls	0	1024 + 1285 × 16 (Hz)	CM08-390; CM15-83,84
		1	480 + 606 × 8 (Hz)	
		2	600 + 700 (Hz)	
		3 ◀	480 + 606 × 16 (Hz)	
40 (AC)	Abbreviated codes for system speed dialing whose transferring destinations have been designated (at the time when the call is routed to the C.O. line because all tie lines are busy).	00 }	Abbreviated Codes for System Speed	CM71, 1st Data = 66; CM72
		31 ◀	Dialing assigned by CM71, 1st data = 66.	
44 (TACS)	Trunk Access Code for SMDR	00 } 99	In the case where a trunk is seized by a Trunk Appearance Key or LCR, a two-digit code (00~99) is sent out to SMDR.	
45 (RDP)	DP sender release timing	0	2 sec	
		1	4 sec	
		2	6 sec	
		3	8 sec	
		4	12 sec	
		5	14 sec	
		6	16 sec	
		7 ◀	10 sec	
46 (RPB)	DTMF sender release timing	0	2 sec	
		1	4 sec	
		2	6 sec	
		3	8 sec	
		4	12 sec	
		5	14 sec	
		6	16 sec	
		7 ◀	10 sec	
49 (SMDI)	SMDR/Centralized Billing - CCIS for Incoming Call	0	To be provided	CM13, YY=05
		1 ◀	Not to be provided	

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Note: For incoming calls to a Trunk-Direct Appearance key on Multiline Terminal, the special ringing, 0.2 sec. ON-0.2 sec. OFF, will be applied.

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

◀:Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
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) (RCE)	0 1 ◀	Restricted Allowed	
56 (ORCF)	Restriction of Outgoing Connection (Restricted-1) (RCF)	0 1 ◀	Restricted Allowed Note	
57 (ORCG)	Restriction of Outgoing Connection (Restricted-2) (RCG)	0 1 ◀	Restricted Allowed Note	
58 (ORCH)	Restriction of Outgoing Connection (Fully-Restricted) (RCH)	0 1 ◀	Restricted Allowed Note	
61 (IRCA)	Restriction of Incoming Connection to Station (Unrestricted) (RCA)	0 1 ◀	Restricted Allowed	
62 (IRCB)	Restriction of Incoming Connection to Station (Non-Restricted-1) (RCB)	0 1 ◀	Restricted Allowed	
63 (IRCC)	Restriction of Incoming Connection to Station (Non-Restricted-2) (RCC)	0 1 ◀	Restricted Allowed	

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Note: When the Trunk Route has been assigned to a C.O. line, the data for YY=56, 57, 58 and 68 is automatically set to "Restricted".

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

YY		SETTING DATA		◀ :Initial Data
No.	MEANING	DATA	MEANING	RELATED COMMANDS
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	CM12 YY=01
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	
69 (AN 0)	Announcement Service Group 0	0 1 ◀	Restricted Allowed	
70 (AN 1)	Announcement Service Group 1	0 1 ◀	Restricted Allowed	CM20-A03 -A09 CM49, YY = 00-04XX CM15, YY = 34-39
71 (AN 2)	Announcement Service Group 2	0 1 ◀	Restricted Allowed	
72 (AN 3)	Announcement Service Group 3	0 1 ◀	Restricted Allowed	
73 (AN 4)	Announcement Service Group 4	0 1 ◀	Restricted Allowed	
74 (VRAN)	Attendant Delay Announcement	0 1 ◀	Allowed Restricted	CM49 YY=00, 0A
76 (DCP)	Designation of Area Code Development Pattern No. for Toll Restriction Analysis, and Maximum Digit Analysis.	00 7 07 15 ◀	Area Code Development Pattern No. 0 { Area Code Development Pattern No.7 Not Used	CM49, YY = 00 ,0A; CM8A YYY = 400 - 407; CM85, YY = 0- 7
83 (SER)	Trunk Seizing Sequence	0 1 ◀	Begin from a lower number trunk By allotter	

BCD-4317705-0200-03

Note: When the Trunk Route has been assigned to a C.O. line, the data for YY=56, 57, 58 and 68 is automatically set to "Restricted".

COMMAND CODE	TITLE:
(MAT) 35	TRUNK ROUTE DATA

◀ :Initial Data

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
86 (CTX)	CENTREX Trunk	0 1 ◀	To be provided Not to be provided	
90	Assignment of No. 7 CCIS Facilities/Data Trunk Route	0 1 { 7 ◀	No. 7 CCIS Not Used { Not Used	
91	Assignment of Common Channel Handler (CCH) Number	0 { 3	CCH 0 { CCH 3	CM06, YY = 07; CMA7, A8
92 (CDTI)	Assignment of Connecting Digital Trunks for Inter-Office Digital Data Transmission via No.7 CCIS or DTI.	0 1 2 3 4 { 6 7 ◀	Digital Data Transmission (48K bps) Digital Data Transmission (56 K bps) Digital Data Transmission (64 Kbps) (Tandem Connection - No PAD) Reversal of F bit and S bit for connection to DDS type of service Not Used { Not Used Data Transmission via Modem (Analog Route)	

BCD-4317705-0201-02

CM35 (12/21)

MAT		CM35											
TRUNK ROUTE	NUMBER OF TRUNKS	ACCESS CODE	YY										
			00 (TK)	01 (PBDP)	02 (OGIC)	03 (NAME)	04 (ANS)	05 (RLS)	08 (DIAL)	09 (SIGI)	10 (DT)	11 (TRP)	12 (PDG)
			00 }	0 }	0 }	00 }	0 }	0 /	1 }	00 }	0 /	0 }	0 }
			15	7	3	63	7	1	3	15	1	3	3
00													
01													
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
			15	7	3	15	7	1	3	15	1	3	3

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COMMAND 35: **ST** + 35YY + **DE** + TRUNK ROUTE + **DE** + SETTING DATA + **EXE**
 (00-63) (1-3 digits)

◀: Initial Data

CM35														TRUNK ROUTE
YY														
13 (MAXD)	14 (SMDO)	15 (ICI)	16 (SHF)	17 (SKP)	18 (DID)	19 (PAD)	20 (SNDS)	21 (PPT)	23 (IDDP)	24 (IDPB)	25 (DPLS)	26 (PBL5)		
001 }	0 /	00 }	0 /	00 }	0 /	4 }	00 }	00 }	0 }	0 }	0 /	0 /		
031	1	47	1	15	1	7	15	15	7	7	1	1		
														00
														01
														02
														03
														04
														05
														06
														07
														08
														09
														10
														11
														12
														13
														14
														15
														16
NONE	1		1	15	1	7	15	15	7	7	1	1		

BCD-4317705-0203-01

COMMAND 35: +35YY+ +TRUNK ROUTE+ +SETTING DATA+
 (00-63) (1-3 digits)

MAT		CM35															
TRUNK ROUTE	YY																
	28 (OGQ)	33 (RG)	34 (TONE)	40 (AC)	44 (TACS)	45 (RDP)	46 (RPB)	49 (SMDI)	51 (ORCA)	52 (ORCB)	53 (ORCC)	54 (ORCD)	55 (ORCE)	56 (ORCF)	57 (ORCG)	58 (ORCH)	61 (IRCA)
	0 / 1	0 / 3	0 / 3	00 / 31	00 / 99	0 / 7	0 / 7	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1
00																	
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
	1	3	3	31		7	7	1	1	1	1	1	1	1	1	1	1

BCD- 4317705-0204-01

COMMAND 35: +35YY+ +TRUNK ROUTE+ +SETTING DATA+
 (00-63) (1-3 digits)

◀ : Initial Data

MAT																CM35															
YY																TRUNK ROUTE															
62 (IRCB)	63 (IRCC)	64 (IRCD)	65 (IRCE)	66 (IRCF)	67 (IRCG)	68 (IRCH)	69 (AN 0)	70 (AN 1)	71 (AN 2)	72 (AN 3)	73 (AN 4)	74 VRAN	76 (DCP)	83 (SER)	86 (CTX)																
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	00 / 15	0 / 1	0 / 1	00															
																01															
																02															
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																12															
																13															
																14															
																15															
																16															
1	1	1	1	1	1	1	1	1	1	1	1	1	15	1	1																

BCD-4317705-0205-02

COMMAND 35: +35YY+ +TRUNK ROUTE+ +SETTING DATA+
 (00-63) (1-3 Digits)

◀ : Initial Data

MAT		CM35																				
TRUNK ROUTE	NUMBER OF TRUNKS	ACCESS CODE	YY																			
			90	91	92 (CDT)																	
			0 5 7	0 5 3	0 5 7																	
			7		7																	

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COMMAND 35: ST + 35YY + DE + TRUNK ROUTE + DE + SETTING DATA + EXE
 (00-63) (1-3 Digits)

CM35 (18/21)

Note: If space is insufficient, use copies.

◀: Initial Data

MAT													CM35
YY													TRUNK ROUTE
13 (MAXD)	14 (SMDO)	15 (ICI)	16 (SHF)	17 (SKP)	18 (DID)	19 (PAD)	20 (SNDS)	21 (PPT)	23 (IDDP)	24 (IDPB)	25 (DPLS)	26 (PBLs)	
001 / 031	0 / 1	00 / 47	0 / 1	00 / 15	0 / 1	4 / 7	00 / 15	00 / 15	0 / 7	0 / 7	0 / 1	0 / 1	
NONE	1		1	15	1	7	15	15	7	7	1	1	

BCD-4317705-0207-01

COMMAND 35: [ST] + 35YY + [DE] + TRUNK ROUTE + [DE] + SETTING DATA + [EXE]
(00-63) (1-3 Digits) ▶

(MAT) CM35																	
TRUNK ROUTE	YY																
	28 (OGQ)	33 (RG)	34 (TONE)	40 (AC)	44 (TACS)	45 (RDP)	46 (RPB)	49 (SMDI)	51 (ORCA)	52 (ORCB)	53 (ORCC)	54 (ORCD)	55 (ORCE)	56 (ORCF)	57 (ORCG)	58 (ORCH)	61 (IRCA)
	0 / 1	0 / 3	0 / 3	00 / 31	00 / 99	0 / 7	0 / 7	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1

BCD- 4317705-0208-02

COMMAND 35: ST +35YY+ DE +TRUNK ROUTE+ DE +SETTING DATA+ EXE
 (00-63) (1-3 Digits)

◀: Initial Data

MAT																CM35															
YY																TRUNK ROUTE															
62 (IRCB)	63 (IRCC)	64 (IRCD)	65 (IRCE)	66 (IRCF)	67 (IRCG)	68 (IRCH)	69 (AN 0)	70 (AN 1)	71 (AN 2)	72 (AN 3)	73 (AN 4)	74 VRAN	76 (DCP)	83 (SER)	86 (CTX)																
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	00 / 15	0 / 1	0 / 1																
																00															
																01															
																02															
																03															
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																15															
																16															
1	1	1	1	1	1	1	1	1	1	1	1	1	15	1	1																

BCD- 43338-0209-04

COMMAND 35: +35YY+ +TRUNK ROUTE+ +SETTING DATA+
 (00-63) (1-3 Digits)

COMMAND CODE	TITLE:		
36	RESTRICTION DATA FOR TANDEM CONNECTION		
1. FUNCTION:			
This command is used to define restriction data for, tandem connections within a system, for each combination of an incoming trunk route and an outgoing trunk route.			
2. PRECAUTIONS:			
Incoming Trunk Route assigned to "No release signal" in CM35-05, is restricted from tandem connection.			
3. ASSIGNMENT PROCEDURE:			
[ST]	+	36	+
[DE]	+	INCOMING TRUNK ROUTE (2 digits)	+
		OUTGOING TRUNK ROUTE (2 digits)	+
		[DE]	+
		DATA (0/1)	+
		[EXE]	
Note			
4. DATA TABLE:			
			◀:Initial data
INCOMING CALL TRUNK ROUTE	OUTGOING TRUNK ROUTE	SETTING DATA	RELATED COMMAND
00 ⋮ 63	00 ⋮ 63	0 1 ◀	Allowed Restricted CM35, YY = 05
BCD-4317705-0210-02			
<p>Note: The two-digit Incoming Trunk Route number and the two-digit Outgoing Trunk Route number are entered as a concatenated four-digit number. For example, the value "1824" would represent Incoming Trunk Route "18" and Outgoing Trunk Route 24.</p>			

◀ : Initial Data

CM36																		
INCOMING TRUNK ROUTE	OUTGOING TRUNK ROUTE																	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
00																		
01																		
02																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

BCD-4317705-0211-02

COMMAND 36: +36+ + INCOMING TRUNK ROUTE (2 digits) + OUTGOING TRUNK ROUTE (2 digits) + + SETTING DATA (0/1) +

CM36 (3/3)

Note: If space is insufficient, use copies.

◀: Initial Data

CM36																		
INCOMING TRUNK ROUTE	OUTGOING TRUNK ROUTE																	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

BCD-4317705-0212-02

COMMAND 36: **ST** + 36 + **DE** + INCOMING TRUNK ROUTE (2 digits) + OUTGOING TRUNK ROUTE (2 digits) + **DE** + SETTING DATA (0/1) + **EXE**

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

1. FUNCTION:
 This command is used to define the function of an RS-232C Interface Circuit, mounted MP Board or AP Board (PJ-AP00),

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:
 $\boxed{ST} + 40Y + \boxed{DE} + \text{PORT LOCATION NUMBER (2 digits)} + \boxed{DE} + \text{DATA (2 digits)} + \boxed{EXE}$

4. DATA TABLE: ◀ : Initial Data

Y		PORT LOCATION NUMBER		SETTING DATA		REMARKS
No.	MEANING			DATA	MEANING	
0	Setting of function	20	PJ-AP00 Board	00	Sending of call information for SMDR, PMS to AP00	
4	Stop Bit Note	00	MOC Port of MP	0 1 ◀ 2 3	1.5 bits 2 bits 1 bit —	
8	Data Speed Note	00	MOC Port of MP	0 1 ◀ 2 3 4	300 1200 2400 4800 9600 } bps	

BCD-4317705-0212-02

Note: This setting is required for connecting a Modem or MAT to the MOC port. In this case, the SW1 on the MP Board should be set to the UP position. In case the SW1 is set to the DOWN position, the MOC port is permanently set at 1200 bps.

CM40 (2/2)

CM40			
Y	PORT LOCATION NUMBER	DATA	INITIAL DATA
0	20		
4	00		1
8	00		1

BCD-4317705-0213-03

COMMAND 40: **ST** + 40Y + **DE** + PORT LOCATION NUMBER + **DE** + DATA + **EXE**
(2 digits) (2 digits)

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

1. **FUNCTION:**
This command is used to assign System Timer data.

2. **PRECAUTIONS:**
None.

3. **ASSIGNMENT PROCEDURE:**
 $\boxed{ST} + 41Y + \boxed{DE} + \text{FUNCTION NUMBER} + \boxed{DE} + \text{DATA} + \boxed{EXE}$
 (2 digits) (2 digits)

4. **DATA TABLE:**

Y	FUNC-TION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA		INCRE-MENT UNIT
				TIME (Data = time range)		
0	00	Attendant recall of HA-610Z/SN610 ATTCON transferred Camp-On and unanswered call	31.2 } 33.6 (sec)	01 = 0.0 to 2.4 02 = 2.4 to 4.8 03 = 4.8 to 7.2 } 14 = 31.2 to 33.6 15 = 28.8 to 38.4 16 = 38.4 to 48.0 17 = 48.0 to 57.6 } 24 = 115.2 to 124.8	2.4 sec (01 - 14) and 9.6 sec (15 - 24)	
	01	Elapsed time before Call Forwarding- No Answer for Trunk Incoming Call / Attendant Overflows / Group Diversion	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec	
	02	Path on delay single-line toll restrict defeat guard timer	960 } 1040 (ms)	01 = 0 to 80 02 = 80 to 160 03 = 160 to 240 } 14 = 1040 to 1120	80 ms	

BCD-4317705-0213-05

Note: Initial Data is represented by "NONE" on the MAT screen.

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	03	SMDR Valid Call Timer (Pseudo-Answer timer)	20 } 24 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 08 = 36 to 40	4 sec
	04	Disconnect recognition time for trunks	0.96 } 1.44 (sec)	01 = 0 to 0.48 02 = 0.48 to 0.96 03 = 0.96 to 1.44 } 14 = 6.24 to 6.72	0.48 sec
	05	Recall Timing for Non-exclusive Hold/Call Park	60 } 64 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 99 = 392 to 396	4 sec
	06	Recall Timing for Exclusive Hold	236 } 240 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 99 = 392 to 396	4 sec
	07	Recall Timing after Station release for call transfer	24 } 28 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	09	Periodic Time Indication Tone	180 } 184 (sec)	00 = 32 to 36 01 = 60 to 64 02 = 120 to 124 03 = 180 to 184 } 12 = 720 to 724	28 sec (01) and 60 sec (02 - 12)
	10	Recall for Multiline Hold	28 } 32 (sec)	01 = 4 to 8 02 = 8 to 12 03 = 12 to 16 } 14 = 56 to 60	4 sec

BCD-4317705-0213-05

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	11	Attendant recall of HA-610Z/SN610 ATTCON held call	31.2 } 33.6 (sec)	01 = 0.0 to 2.4 02 = 2.4 to 4.8 03 = 4.8 to 7.2 } 14 = 31.2 to 33.6 15 = 28.8 to 38.4 16 = 38.4 to 48.0 17 = 48.0 to 57.6 } 24 = 115.2 to 124.8	2.4 sec (01 - 14) and 9.6 sec (15 - 24)
	13	Single-digit dialing time (Timing Start)	4 } 5 (sec)	03 = 2 to 3 04 = 3 to 4 05 = 4 to 5 06 = 5 to 6 07 = 6 to 7 08 = 7 to 8	1 sec
	14	DTMF signal width of Out Pulse-Long from HA-610Z/SN610 ATTCON	512 (ms)	01 = 64 02 = 128 03 = 192 } 50 = 3200	64 ms
	15	Call Forwarding - No Answer for Internal Call and Assisted Call	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	16	Maximum ACD/UCD call waiting time before answer or abandonment for PEG count	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
		ACD/UCD or Attendant incoming call waiting timer before delay announcement	44 } 52 (sec)	01 = 12 to 20 02 = 16 to 24 03 = 20 to 28 } 30 = 128 to 136	4 sec

BCD-4317705-0213-05

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	20	Automatic cancel Time for unanswered Paging Call	300 (sec)	01 = 60 02 = 120 03 = 180 } 15 = 900	60 sec
	22	Reorder tone timeout to enter Line Lockout or Off-Hook Alarm	28 } 32 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 08 = 28 to 32	4 sec
	23	Ringling Duration of Automatic Wake-Up/ Timed Reminder Call	28 } 32 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 08 = 28 to 32	4 sec
	26	Automatic Recall Timing of Camp-On by Station	24 } 32 (sec)	01 = 8 to 16 02 = 16 to 24 03 = 24 to 32 } 15 = 120 to 128	8 sec
	27	Inter-Digit Pause on Outgoing Call	7 (sec)	03 = 3 04 = 4 05 = 5 } 14 = 14	1 sec
	34	Timing before Unanswered Automated Attendant Call Forwards	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	35	Number of Call Attempts by Timed Queue	3 (times)	01 = 1 02 = 2 03 = 3 } 07 = 7	1 time

BCD-4317705-0213-05

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	36	Interval Time between attempts for Timed Queue	60 } 64 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 31 = 120 to 124	4 sec
	37	Duration of Call by Timed Queue	28 } 32 (sec)	03 = 8 to 12 04 = 12 to 16 05 = 16 to 20 } 31 = 120 to 124	4 sec
	38	Programmable Pause for System Speed Dialing / Station Speed Dialing Note	3 (sec)	00 = 1.5 01 = 3.0 02 = 4.5 03 = 6.0 04 = 8.0 05 = 10.0 06 = 12.0 07 = 16.0	1.5 sec (00 - 03) and 2.0 sec (04 - 06) and 4.0 sec (07)
	39	Timing of unanswered call after forwarding to predetermined station in Automated Attendant / DISA	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	40	Modem Trunk Release Supervision Guard Timer	16 } 20 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 15 = 56 to 60	4 sec
	41	PBX Dial In ORT Timer before receiving any digit	5 } 6 (sec)	01 = 0 to 1 02 = 1 to 2 03 = 2 to 3 } 15 = 14 to 15	1 sec
	43	Dial Tone timeout in Automated Attendant	14 (sec)	01 = 1 02 = 2 03 = 3 } 14 = 14	1 sec

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Note: This pause is made available by selecting "D" as the data in Commands 72, 74, and 88.

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	44	Pre-Pause Timer for VMS	1 (sec)	00 = 0 01 = 1 02 = 2 } 12 = 12 13 = 0.5	1 sec (01-12) and -11.5 sec (13)
	45	Night Announcement Service Timer	60 } 64 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	46	Timing of Multiple Call Forward - No Answer after second forwarding	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	47	Interval Time of ACD/UCD Delay Announcement / Attendant Delay Announcement	32 } 36 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 30 = 116 to 120	4 sec
	48	DTMF signal width for VMS	128 (ms)	01 = 64 02 = 128	64 ms
	49	DTMF Inter-Digital Pause for VMS	160 (ms)	01 = 32 02 = 64 03 = 80 04 = 100 05 = 120 06 = 160 07 = 200 08 = 240	32 ms (01 - 02) and 16 ms (03) and 20 ms (04 - 05) and 40 ms (07 - 08)
	52	Message Replay Timer for Automatic Wake-Up / Timed Reminder	60 } 64 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 99 = 392 to 396	4 sec

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COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
0	53	Message Replay Timer for Announcement Service	60 } 64 (sec)	01 = 0 to 4 02 = 4 to 8 03 = 8 to 12 } 99 = 392 to 396	4 sec
	54	Forced disconnection of tandem connection	204 } 238 (sec)	01 = 34 to 68 02 = 68 to 102 03 = 102 to 136 } 07 = 238 to 272	34 sec
	60	Status Change Rebound Guard Timer	1120 } 1200 (ms)	00 = 0 to 80 01 = 80 to 160 02 = 160 to 240 } 40 = 3200 to 3280	80 ms
	61	Path On Delay timer when answer for an IC trunk call	320 } 480 (ms)	01 = 0 to 160 02 = 160 to 320 03 = 320 to 480 } 14 = 2080 to 2240	160 ms
	62	SST Sending Timer when accessing Paging Trunk	1440 } 1920 (ms)	01 = 0 to 480 02 = 480 to 960 03 = 960 to 1440 } 14 = 6240 to 6720	480 ms
	63	Time Out Check when detecting ORT	1360 } 1440 (ms)	00 = No Check 01 = 0 to 80 02 = 80 to 160 03 = 160 to 240 } 30 = 2320 to 2400	80 ms
	64	Variable Timer for ORT Timer Time Out when accessing trunk	14 (sec)	01 = 14 02 = 28 03 = 42 } 09 = 126	14 sec

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COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
1	01	DP Telephone On Hook Detect Timer	1020 (ms)	01 = 380 02 = 508 03 = 636 } 16 = 2300	128 ms
	02	PB Telephone On Hook Detect Timer	1020 (ms)	01 = 380 02 = 508 03 = 636 } 16 = 2300	128 ms
	03	DP Telephone Hooking Break Timer	384 (ms)	01 = 384 02 = 512 03 = 640 } 16 = 2304	128 ms
	04	PB Telephone Hooking Break Timer	384 (ms)	01 = 384 02 = 512 03 = 640 } 16 = 2304	128 ms
	05	Hooking Make Timer	128 (ms)	01 = 128 02 = 256 03 = 384 } 15 = 1920	128 ms
	06	Dial Break Maximum Timer	256 (ms)	01 = 64 02 = 96 03 = 128 } 15 = 480	32 ms
	07	Dial Interdigit Pause Timer	256 (ms)	01 = 64 02 = 128 03 = 192 } 15 = 960	64 ms

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COMMAND CODE		TITLE:				
41		SYSTEM TIMER DATA				
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA		INCREMENT UNIT
				TIME (Data = time range)		
1	08	Momentary Open/Reverse Timer	256 } 384 (ms)	02 = 128 to 256 03 = 256 to 384 04 = 384 to 512 }	10 = 1152 to 1280	128 ms
	09	Delayed Ringing Timer	10 (sec)	01 = 2 02 = 4 03 = 6 }	20 = 40	2 sec
2	00	Ringing Detect Timer for IC trunk call	224 (ms)	01 = 32 02 = 64 03 = 96 }	15 = 480	32 ms
	03	COT Trunk Release Detect Timer	512 (ms)	01 = 128 02 = 256 03 = 384 }	15 = 1920	128 ms
	04	LD Trunk Release Detect Timer	128 (ms)	01 = 128 02 = 256 03 = 384 }	15 = 1920	128 ms
	05	OD Trunk Release Detect Timer	128 (ms)	01 = 128 02 = 256 03 = 384 }	15 = 1920	128 ms
	09	IC Ring Down abandoning Detect Timer	4096 (ms)	01 = 512 02 = 1024 03 = 1536 }	15 = 7680	512 ms

BCD-4317705-0213-05

COMMAND CODE		TITLE:			
41		SYSTEM TIMER DATA			
Y	FUNC-TION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCREMENT UNIT
				TIME (Data = time range)	
2	12	Wink signal sending time for connection check	160 (ms)	01 = 32 02 = 64 03 = 96 } 15 = 480	32 ms
	17	Duration of SHF sent out from COT (Hooking Pulse Sending Timer)	576 } 640 (ms)	02 = 64 to 128 03 = 128 to 192 04 = 192 to 256 } 30 = 1856 to 1920	64 ms
	23	5ESS Floating Battery Guard Timer for COT	2048 (ms)	01 = 128 02 = 256 03 = 384 } 99 = 12672	128 ms
	24	5ESS Floating Battery Guard Timer for LD	2048 (ms)	01 = 128 02 = 256 03 = 384 } 99 = 12672	128 ms
	25	Loop Momentary Open Guard Timer for COT Loop Start OG Connection	1280 (ms)	01 = 128 02 = 256 03 = 384 } 99 = 12672	128 ms
	28	Release Detect Timer for OG Loop Start Trunk	256 (ms)	01 = 128 02 = 256 03 = 384 } 99 = 12672	128 ms
	29	Release Detect Timer for OG Ground Start Trunk	0 (ms)	00 = 0 01 = 128 02 = 256 } 99 = 12672	128 ms

BCD-4317705-0213-05

COMMAND CODE		TITLE:				
41		SYSTEM TIMER DATA				
Y	FUNCTION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA		INCREMENT UNIT
				TIME (Data = time range)		
2	31	Loop on Delay for Outgoing Ground Start Trunks	640 } 704 (ms)	01 = 256 to 320 02 = 320 to 384 03 = 384 to 448 } 99 = 6528 to 6592		64 ms
	00	Release Signal Detect Timing for DTI Trunk Note	128 (ms)	01 = 64 02 = 128 03 = 192 } 15 = 960		64 ms
3	01	Answer Signal Detect Timing for DTI Trunk Note	128 (ms)	01 = 32 02 = 64 03 = 96 } 15 = 480		32 ms
	02	Wink Signal Width sent from DTI Trunk Note	160 (ms)	01 = 64 02 = 96 03 = 128 } 15 = 512		32 ms
	03	Wink / Delay Signal timeout to receive Note	7 (sec)	01 = 1 02 = 2 03 = 3 } 15 = 15		1 sec
	04	Ring Signal Detect Timing for DTI Trunk Note	192 (ms)	01 = 32 02 = 64 03 = 96 } 15 = 480		32 ms
	05	Release Signal Detect Timing for C. O. Trunk Note	512 (ms)	01 = 64 02 = 128 03 = 192 } 15 = 960		64 ms

BCD-4317705-0213-05

Note: If CM35, YY=09 is set to "03", "04", "05" or "06", use CM41, YY=3, Functions "00" to "03".
If CM35, YY=09 is set to "01" or "15", use CM41, YY=3, Functions "04" to "12".

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	FUNC-TION NUMBER	PURPOSE	INITIAL TIMER	TIMER DATA	INCRE-MENT UNIT
				TIME (Data = time range)	
3	06	Answer Signal Detect Timing for DTI Trunk Note	576 (ms)	01 = 64 02 = 128 03 = 192) 15 = 960	64 ms
	07	Ring Signal Detect Timeout for DTI Trunk Note	7168 (ms)	01 = 512 02 = 1024 03 = 1536) 15 = 7680	512 ms
	08	Guard Timing of DTI Trunk Release Note	512 (ms)	01 = 128 02 = 256 03 = 384) 15 = 1920	128 ms
	09	Hooking Signal Send Timing for DTI Trunk Note	640 (ms)	01 = 64 02 = 128 03 = 192) 15 = 960	64 ms
	10	Ground Start Release (Loop Off) Detect Timing for DTI Trunk Note	384 (ms)	01 = 64 02 = 128 03 = 192) 15 = 960	64 ms
	11	Ground Start Release (Ground Off) Detect Timing for DTI Trunk Note	384 (ms)	01 = 64 02 = 128 03 = 192) 15 = 960	64 ms
	12	Ground Start (Return Ground) Detect Timing for DTI Trunk Note	7 (sec)	01 = 1 02 = 2 03 = 3) 15 = 15	1 sec

BCD-4317705-0213-05

Note: If CM35, YY=09 is set to "03", "04", "05" or "06", use CM41, YY=3, Functions "00" to "03".
If CM35, YY=09 is set to "01" or "15", use CM41, YY=3, Functions "04" to "12".

CM41		
Y	FUNCTION NUMBER	TIMER DATA
0	00	
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	09	
	10	
	11	
	13	
	14	
	15	
	16	
	20	
	22	
	23	
	26	
	27	
	34	
	35	
	36	
	37	
	38	
	39	
	40	
	41	
	43	
	44	
45		
46		
47		
48		
49		
52		
53		

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CM41		
Y	FUNCTION NUMBER	TIMER DATA
0	54	
	60	
	61	
	62	
	63	
	64	
1	01	
	02	
	03	
	04	
	05	
	06	
	07	
	08	
	09	
2	00	
	03	
	04	
	05	
	09	
	12	
	17	
	23	
	24	
	25	
	28	
29		
3	31	
	00	
	01	
	02	
	03	
	04	
	05	
	06	
07		
08		

BCD-4317705-0220-02

COMMAND 41: +41Y+ +FUNCTION+ +TIMER DATA+
 DATA (2 digits) (2 digits)

CM41			
Y	FUNCTION NUMBER	TIMER DATA	
3	09		
	10		
	11		
	12		

BCD-4317705-0500-01

COMMAND 41: ST +41Y+ DE +FUNCTION+ DE +TIMER DATA+ EXE
 DATA (2 digits) (2 digits)

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/TRUNK RESTRICTION CLASS CONVERSION
1. FUNCTION: This command is used to define System Counter/Trunk Restriction Class Conversion data.	
2. PRECAUTIONS: None.	
3. ASSIGNMENT PROCEDURE: $ \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{TRUNK} \\ \text{RESTRICTION} \\ \text{CLASS} \\ (2 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ (2 \text{ digits}) \end{array} + \boxed{\text{EXE}} $	
Empty space for additional details	

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

4. DATA TABLE (Note 1)

KIND OF SYSTEM COUNTER		INITIAL DATA	SETTING DATA		REMARKS
00	Number of waiting calls which will cause attendant's (HA-610Z/SN610 ATTCON) Call Waiting lamp to flash.	06	01 } 48	Number of Waiting Calls	
01	Number of stations in Line Lockout to cause aMN (minor) alarm.	None Note 3	01 } 99	Number of Lockout Stations	
03	Number of Wake-Up Call / Timed Reminder attempts before abandonment.	05	01 } 05	Number of attempted Wake Up/Timed Reminder Calls	
04	Maximum number of stations that are able to set Wake-Up Call / Timed Reminder for the same Wake-Up Time	10	01 } 32	Max. number of stations	
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	In case of CM08-216 = 0, Max. 8 digits is available.
12	Maximum number of digits for Forced Account Code Note 2	10 (8)	01 } 10	Max. number of digits	In case of CM08-216 = 0, Max. 8 digits is available.
13	Number of digits for ID Code on Direct Inward System Access (DISA) Note 2	10 (10)	01 } 10	Number of digits	In case of CM08-217 = 0, Max. 16 digits is available.
14	Number of Call Forwards in Multiple-Call Forwarding	05	01 } 05	Number of times	

BCD-4317705-0221-03

Note 1: Initial Data is represented by "NONE" on the MAT screen.

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

Note 3: No "Lockout Alarm Display" function if this data is not assigned.

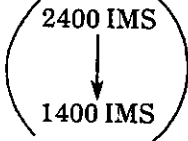
COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/TRUNK RESTRICTION CLASS CONVERSION

4.2 Trunk Restriction Class Conversion (1400 IMS ↔ 2400 IMS)

1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
20	1400 IMS Trunk Rest. Class 1 (RCA)	00 } 15	2400 IMS Trunk Restriction Class (00-15) <div style="text-align: center;"> (1400 IMS ↓ 2400 IMS) </div>	
21	1400 IMS Trunk Rest. Class 2 (RCB)			
22	1400 IMS Trunk Rest. Class 3 (RCC)			
23	1400 IMS Trunk Rest. Class 4 (RCD)			
24	1400 IMS Trunk Rest. Class 5 (RCE)			
25	1400 IMS Trunk Rest. Class 6 (RCF)			
26	1400 IMS Trunk Rest. Class 7 (RCG)			
27	1400 IMS Trunk Rest. Class 8 (RCH)			
30	2400 IMS Trunk Rest. Class 0	01 } 08	1400 IMS Trunk Restriction Class (1-8) <div style="text-align: center;"> (2400 IMS ↓ 1400 IMS) </div>	
31	2400 IMS Trunk Rest. Class 1			
32	2400 IMS Trunk Rest. Class 2			
33	2400 IMS Trunk Rest. Class 3			
34	2400 IMS Trunk Rest. Class 4			
35	2400 IMS Trunk Rest. Class 5			
36	2400 IMS Trunk Rest. Class 6			
37	2400 IMS Trunk Rest. Class 7			
38	2400 IMS Trunk Rest. Class 8			
39	2400 IMS Trunk Rest. Class 9			

BCD-4317705-0222-02

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

1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
40	2400 IMS Trunk Rest. Class 10	01 } 08	1400 IMS Trunk Restriction Class (1 - 8) 	
41	2400 IMS Trunk Rest. Class 11			
42	2400 IMS Trunk Rest. Class 12			
43	2400 IMS Trunk Rest. Class 13			
44	2400 IMS Trunk Rest. Class 14			
45	2400 IMS Trunk Rest. Class 15			

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42	TITLE:	
COMMAND CODE	SYSTEM COUNTER DATA/TRUNK RESTRICTION CLASS	
(1) 2400 IMS to 1400 IMS 2400 IMS <u>TRK REST. CLASS</u> 0: OG via ATT 1: Unrestricted-1 2: Unrestricted-2 3: Non-Restricted 4: Semi-Restricted 5: Restricted 6: Fully-Restricted 7: 8: } 15: } Not Defined	→ → → → → → → → → →	1400 IMS <u>TRK REST. CLASS</u> 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: } 8: } Fully-Restricted (RCH)
(2) 1400 IMS to 2400 IMS 1400 IMS <u>TRK REST. CLASS</u> 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)	→ → → → → → → →	2400 IMS <u>TRK REST. CLASS</u> 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 2400 IMS Trunk Restriction Class (9-15) as a Deluxe Travelling Class Mark.*

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

CM42	
KIND OF SYSTEM COUNTER	DATA
00	
01	
02	
03	
04	
10	
11	
12	
13	
14	

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CM42	
TRUNK RESTRICTION CLASS	DATA
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	

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CM42	
TRUNK RESTRICTION CLASS	DATA
20	
21	
22	
23	
24	
25	
26	
27	

BCD-4317705-0435-03

COMMAND 42:

+ 42 + +

KIND OF SYSTEM COUNTER (2 digits)	/	TRUNK RESTRICTION CLASS (2 digits)
--	---	---

 + + DATA (2 digits) +

COMMAND CODE	TITLE:
44	EXTERNAL EQUIPMENT STARTING CONDITIONS

1. FUNCTION:
 This command is used to assign the relay (Circuit Number of PK-DK01) for controlling external equipment.

2. PRECAUTIONS:
 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	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p style="margin: 0;">XX</p> <p style="margin: 0;">X</p> </div> <div style="margin-right: 10px;"> <p style="margin: 0;">—</p> <p style="margin: 0;">—</p> </div> <div style="margin-right: 10px;"> <p style="margin: 0;">Card Number (00 - 31)</p> <p style="margin: 0;">Circuit Number (0 - 3)</p> </div> </div>	CM10 Card Number: E8XX	

BCD-4317705-0225-02

COMMAND CODE	TITLE:
44	EXTERNAL EQUIPMENT STARTING CONDITION

DATA 1		DATA 2		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
00	External Hold Tone Machine Start (TNT Interface)	00	External Hold Tone for Music On Hold	CM10-DA00 CM48,Y=0
01	External Announcement Machine Start (COT/TNT Interface)	00	External Announcement Machine for Wake Up/Timed Reminder calling	CM10-DB00 CM48,Y=1
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 CM58, YY = 01 CM59
14	Indication for ACD/UCD with overflow	00 } 15	ACD/UCD Group 00 ACD/UCD Group 15	CM17,Y=2 CM59
15	Relay Control Function Key	00	Relay Control (ON/OFF) via Multiline Terminal	CM90,YY=00, F7XXX

BCD-4317705-0226-02

COMMAND CODE	TITLE:
45	PURPOSE OF PBR/CFT

1. FUNCTION:
 This command is used to define the presence and purpose of PB (DTMF) Receivers and Conference Trunks.

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:
 $\boxed{ST} + 45Y + \boxed{DE} + \text{PBR/CFT NUMBER} + \boxed{DE} + \text{DATA} + \boxed{EXE}$
 (2-3 digits) (1 digit)

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: none;"> <tr> <td style="border: none;">XX</td> <td style="border: none;">X</td> <td style="border: none;"> </td> <td style="border: none;">Card Number (00-15)</td> </tr> <tr> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;">Circuit Number (0-3)</td> </tr> </table>	XX	X		Card Number (00-15)				Circuit Number (0-3)	0 1 ◀	Make Busy In Service	CM10-E2XX
XX	X		Card Number (00-15)											
			Circuit Number (0-3)											
1	PBR for incoming Call from Tie Line/DID	XXX		0 1 ◀	Only for Tie Line or DID. For both DTMF Station and Tie Line/DID.	CM10-E2XX; CM35,YY=01								
2	PBR for Automated Attendant only	XXX		0 1 ◀	Only for Automated Attendant. For both DTMF Station and Tie Line/DID /Automated Attendant.	CM30; CM41, Y=0, Function Nos. 33,34. CM10-E2XX								

BCD-4317705-0227-02

COMMAND CODE	TITLE:
45	PURPOSE OF PBR/CFT

◀ :Initial Data

Y		PBR/CFT NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
6	Make busy condition of CFT (In the event that the expanded CFT is mounted, assign CFT numbers . 08~15 as "1")	00 }	CFT Circuit Number (Basic)	0	Make Busy 1 ◀ In Service	
		07		0 ◀		
		(08) }	CFT Circuit Number (Expanded)	0 ◀	Make Busy 1 In Service	
		15)		1		
7	Whether or not CFT is used exclusively for HA-610Z/SN610 ATTCON	00 }	CFT Circuit Number (Basic)	0	For ATT only 1 ◀ For both ATT and Station	
		07		0 ◀		
		(08) }	CFT Circuit Number (Expanded)			
		15)				

BCD-4317705-0437-02

COMMAND CODE	TITLE:	INITIAL
(MAT) 46	ATTCON CALL SELECTION KEYS	

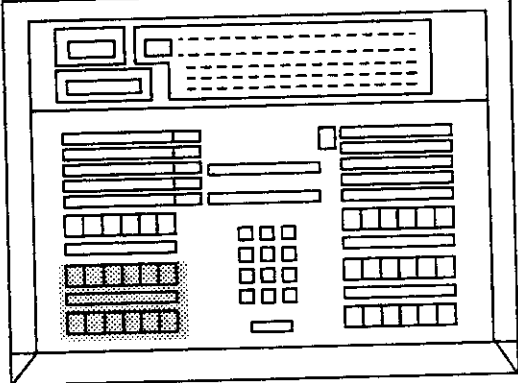
1. FUNCTION:

This command is used to assign the various functions to the call identification and answer keys on a HA-610Z Attendant Console.

2. PRECAUTIONS:

- (1) This command requires system initialization after data setting.
- (2) If no data is set, the key functions are automatically set by the initial data/Resident System Program, as shown below.
- (3) If any function key is assigned, all keys must be re-programmed.
- (4) This command is included in MAT mode menu "C1" (ATT Key Pattern [COM02])
- (5) The initial data is illustrated below.

00	01	02	03	04	05
(SRL)	(EMG)	(ICPT)	(NANS)	(BUSY)	(TIE)
□	□	□	□	□	□
06	07	08	09	10	11
(CCSA)	(WATS)	(FX)	(RCL)	(ATND)	(LDN)



LDN: C.O. INCOMING CALL	BUSY: BUSY LINE CALL	WATS: WATS LINE INCOMING CALL
ATND: OPERATOR CALL	ICPT: INTERCEPT CALL	CCSA: CCSA LINE INCOMING CALL
RCL: OPERATOR RECALL	SRL: SERIAL CALL	
TIE: TIE LINE INCOMING CALL	EMG: OFF-HOOK ALARM	
NANS: DO NOT ANSWER CALL	FX: FX LINE INCOMING CALL	

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3. ASSIGNMENT PROCEDURE:

ST + 46 + DE + KEY NUMBER (00-11) + DE + DATA (2 digits) + EXE

COMMAND CODE	TITLE:
(MAT) 46	ATTCON CALL SELECTION KEYS INITIAL

4. DATA TABLE:

SETTING DATA	FUNCTION	KEY NUMBER ASSIGNED BY INITIAL DATA	RELATED COMMAND
00 01 02 03 04 05 06 07	C.O. Incoming 0 (LDN) 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	11	CM35, YY = 15
10 11 12 13 14 15 16 17	Call Termination from FX Line 0 (FX) Call Termination from FX Line 1 Call Termination from FX Line 2 Call Termination from FX Line 3 Call Termination from FX Line 4 Call Termination from FX Line 5 Call Termination from FX Line 6 Call Termination from FX Line 7	08	CM35, YY = 15
20 21 22 23 24 25 26 27	Call Termination from WATS Line 0 (WATS) Call Termination from WATS Line 1 Call Termination from WATS Line 2 Call Termination from WATS Line 3 Call Termination from WATS Line 4 Call Termination from WATS Line 5 Call Termination from WATS Line 6 Call Termination from WATS Line 7	07	CM35, YY = 15
30 31 32 33 34 35 36 37	Call Termination from CCSA Line 0 (CCSA) Call Termination from CCSA Line 1 Call Termination from CCSA Line 2 Call Termination from CCSA Line 3 Call Termination from CCSA Line 4 Call Termination from CCSA Line 5 Call Termination from CCSA Line 6 Call Termination from CCSA Line 7	06	CM35, YY = 15

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COMMAND CODE		TITLE:	
MAT 46		ATTCON CALL SELECTION KEYS	
		(INITIAL)	
SETTING DATA	FUNCTION	KEY NUMBER ASSIGNED BY INITIAL DATA	RELATED COMMAND
40 41 42 43 44 45 46 47	Tie Line Incoming 0 (TIE) 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	05	CM35, YY=15
50 51 52 53	Special Operator Call 0 Special Operator Call 1 Special Operator Call 2 Special Operator Call 3		CM20- 090 to 093
54 55	Priority Call 0 Priority Call 1		CM15, YY=17, 18; CM20-088, 089; CM08-250, 251
56	Emergency Call		CM20-094
60	Operator Call (ATND)	10	CM47-05; CM51, YY=00,01, 03, 04
61	Recall (RCL)	09	
62	Serial Call Termination (SRL)	00	
64	Call Forwarding - No Answer (NANS)	03	
65	Call Forwarding - Busy Line (BUSY)	04	
66	Call Forwarding - Intercept (ICPT)	02	CM08-032, 119
67	Off-Hook Alarm (EMG)	00	CM51, YY=12
74	Attendant Inter-Position Transfer (TF)		CM20-095

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Note: The job specification for this command follows the explanation of Command 47.

COMMAND CODE	TITLE:
MAT 47	ATT FUNCTION KEYS

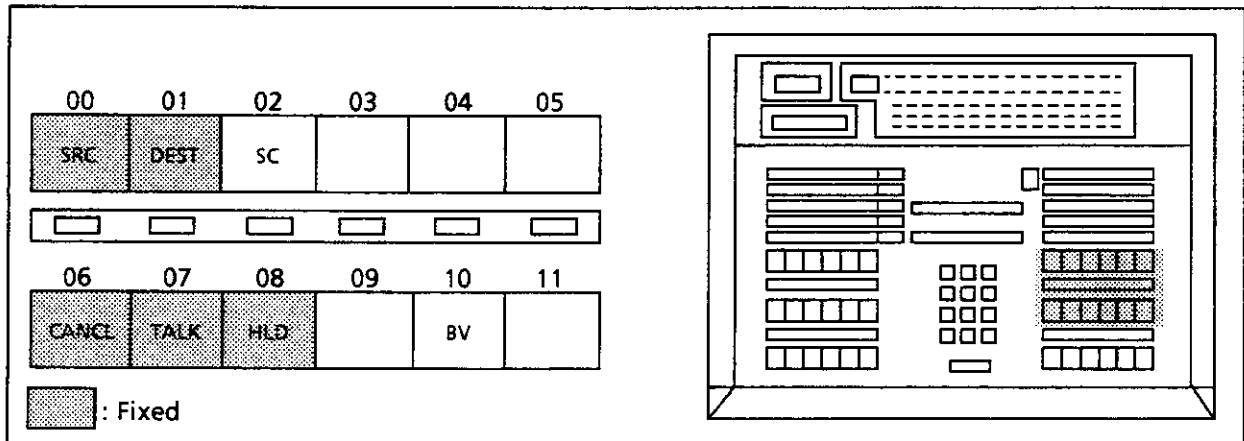
INITIAL

1. FUNCTION:

This command is used to assign functions to the function keys on an HA-610Z Attendant Console.

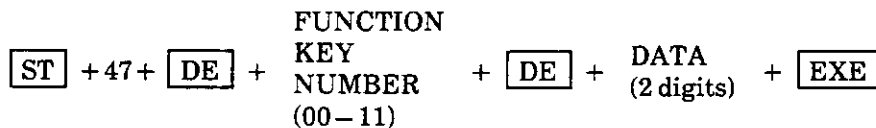
2. PRECAUTIONS:

- (1) This command requires system initialization after data setting.
- (2) If no data is set, the key functions are automatically set by the initial data/Resident System Program, as shown below.
- (3) The function assignment to Key Numbers 00, 01, 06, 07 and 08 cannot be changed.
- (4) This command is included in MAT mode menu "C1" (ATT Key Pattern [COM02]).



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3. ASSIGNMENT PROCEDURE:



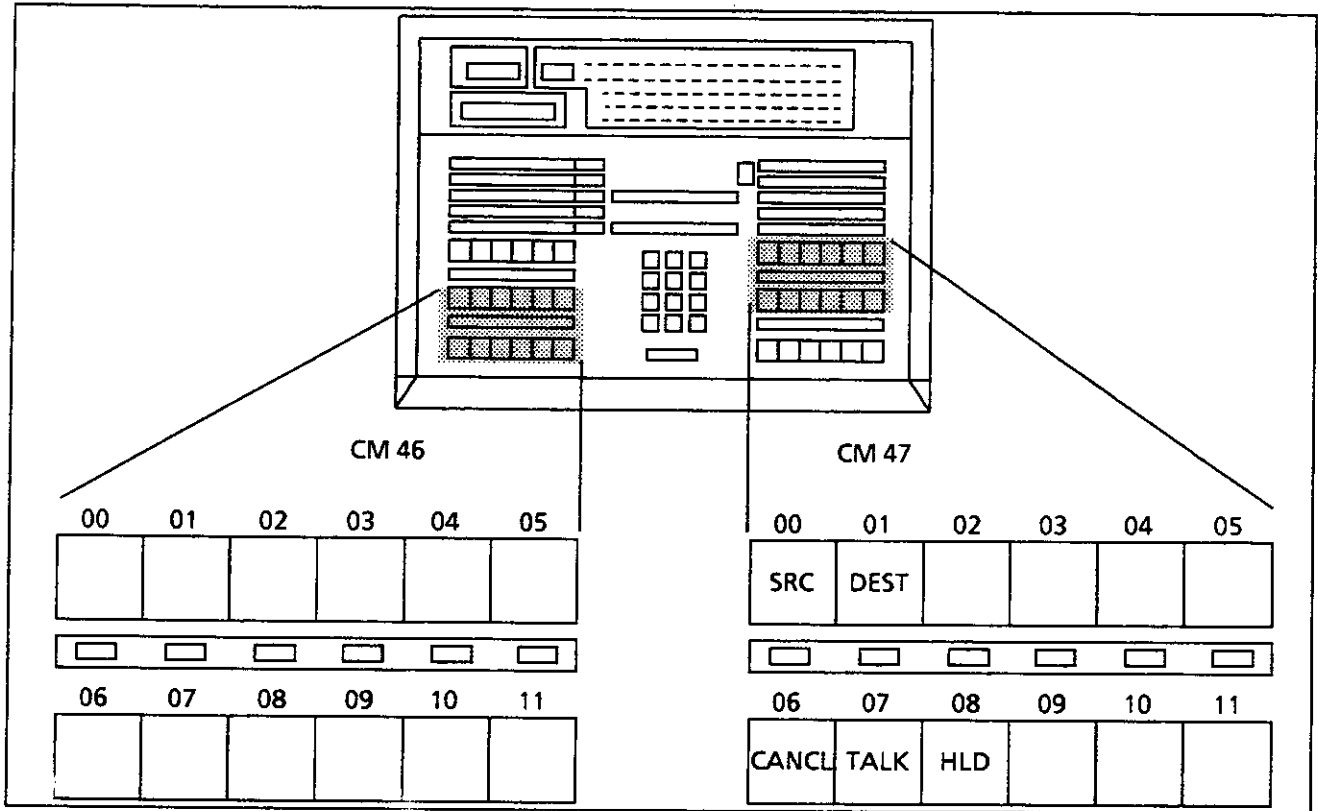
COMMAND CODE	TITLE:	(INITIAL)
(MAT) 47	ATT FUNCTION KEYS	

4. DATA TABLE:

SETTING DATA	FUNCTION	KEY NUMBER ASSIGNED BY INITIAL DATA	RELATED COMMANDS
00	Room Cut Off (RCOF)		} For Hotel/Motel ATTCON Note
01	Message Waiting (MW)		
02	Do Not Disturb (DND)		
03	Wake Up/Do Not Disturb Override (WU)		
04	Reset (REST)		
05	Serial Call Set (SC)	02	CM46,data = 62
06	Flash over trunk (CAS, Centrex) (SHF)		CM35,YY = 16, 86; CM41, Y = 2, Function 17
07	Busy Verification (BV)	10	CM08-012;CM15,YY = 09
15	Out pulse (PB signal) - Short (PBS)		CM35, YY = 26
16	Out pulse (PB signal) - Long (PBL)		CM41, Y = 0, Function 14

BCD-4317705-0234-03

Note: *The START key or ANSWER key can be used as the SET key for Hotel/Motel features.*



BCD-4317705-0235-01

MAT CM 46	
KEY NUMBER	DATA
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	

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MAT CM 47	
KEY NUMBER	DATA
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	

BCD-4317705-0237-01

COMMAND 46: **ST** +46+ **DE** +KEY NUMBER+ **DE** +DATA+ **EXE**
 (00-11) (2 digits)

COMMAND 47: **ST** +47+ **DE** +KEY NUMBER+ **DE** +DATA+ **EXE**
 (00-11) (2 digits)

COMMAND CODE	TITLE:
48	HOLD TONE SENDING PATTERN

1. FUNCTION:
 This command is used to define the conditions under which hold tone is applied.

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:
 [ST] + 48Y + [DE] + SENDING PATTERN (2 digits) + [DE] + DATA (4 digits) + [EXE]

4. DATA TABLE: ◀ : Initial Data

Y		SENDING PATTERN		SETTING DATA			RELATED COMMANDS
No.	MEANING	PATTERN	MEANING	DATA	XX	MEANING	
0	Hold Tone Sending	00	C.O. Line	XX00 └ Kind	00	Internal/No tone	CM08-183
		01	Tie Line		02	Internal/External Music Source	Note 1 CM10-DA00; CM08-183; CM44, data = 0000
		02	Station		05	Hold Message	Note 2 CM10-EBXXX; CM49, YY = 00, 05
					15	Internal Hold Tone	
1	Wake Up Call/ Timed Reminder	00	Tone source of Wake Up Call/ Timed Reminder	XX00 └ Kind	00	No Tone	
					02	Internal/External Music Source	CM10-DB00; CM08-183; CM44, data = 0100
					05	Voice Recording Memory Card	CM10-EBXXX; CM41, Y = 0, Function 52; CM49, YY = 00, 08
					15	Internal Hold Tone	

BCD-4317705-0238-02

COMMAND CODE	TITLE:
48	HOLD TONE SENDING PATTERN

◀ : Initial Data

Y		SENDING PATTERN		SETTING DATA		RELATED COMMANDS
No.	MEANING	PATTERN	MEANING	DATA	MEANING	
1	Dial Tone Sending for Auto-mated Attendant	06	Dial Tone Connection with Automated Attendant Call	0 1 ◀	Not to be provided To be provided	CM64; CM41, Y=0, Function 43
2	Kinds of BGM	00 ? 09	BGM 0 ? BGM 9	DXXX	Trunk Number for each music source Note 3	CM10-DXXX; CM20-032; CM15, YY=32 CM35, YY=00

BCD-4317705-0438-02

Note 1: *TNTC must be programmed as "DA00" in CM10, for external tone source application in CM48, Y=0.*

Note 2: *This data cannot be set to Station (Sending Pattern=02).*

Note 3: *TNTC must be programmed as "D000–D255" in CM10 for BGM application in CM48, Y=4.*

CM48		
Y	SENDING PATTERN	DATA
0	00	
	01	
	02	
1	00	
2	06	
4	00	
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	08	
	09	

BCD-4317705-0239-03

COMMAND 48: ST + 48Y + DE + SENDING PATTERN + DE + DATA + EXE
 (2 digits) (4 digits)

COMMAND CODE	TITLE:
49	VOICE RECORDING MEMORY CARD

1. FUNCTION:

This command is used to define the function of each Voice Recording Memory card (PK-ME01) accommodated in the system.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + 49YY + DE + VOICE RECORDING MEMORY CARD NUMBER (3 digits) / TENANT NUMBER (2 digits) + DE + DATA + EXE (2-5 digits)

4. DATA TABLE:

YY		VOICE RECORDING CARD/TENANT	SENDING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
00	Function of Voice Recording Memory card	XXX: 000-127 "XXX" represents the card number (EB000-EB127) assigned with CM10.	XX XX	Message Number (00-63) 01: 1st Answering Message of Automated Attendant 02: 2nd Answering Message of Automated Attendant 05: Message on Hold Service 06: Transferred Trunk Line Message Service (No Answer) 07: Transferred Trunk Line Message Service (Busy) 0C: Answering Message on Automatic Wake Up / Timed Reminder Service 0F: Attendant Delay Announcement	CM08; CM10; CM64; CM30, YY = 30, 31 CM48, Y = 0 CM65, YY = 50 CM65, YY = 51 CM10; CM41, Y = 0, Function 52; CM48, Y = 1; CM49, YY = 08 CM10; CM49, YY = 0A; CM35, YY = 74; CM41, Y = 0,

8CD-4317705-0240-03

COMMAND CODE		TITLE:			
49		VOICE RECORDING MEMORY CARD			
YY		VOICE RECORDING MEMORY CARD/TENANT	SENDING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
00	Function of Voice Recording Memory card	XXX: 000 – 127	03000	Night Announcement Service	CM10; CM30, YY = 02 – 05 CM41, Y = 0, Function 45
			04 XX	Announcement Service Message Number (0 – 9) Announcement Service Group (0 – 4)	CM10; CM15, YY = 34 – 39; CM35, YY = 69-73
			08 XX	Voice Message Waiting Service-System 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, Function 47; CM17, Y = A
			0D00	Announcement Service when the called station does not answer the DID/Tie Line call	CM10; CM30, YY = 02- 05; CM41, Y = 0 Function 01; CM51, YY = 03, 04
			0E00	Announcement Service when the DID/Tie Line call terminates to a busy station.	CM10; CM32, YY = 02- 05; CM51, YY = 03, 04

BCD-4317705-0241-03

COMMAND CODE		TITLE:			
49		VOICE RECORDING MEMORY CARD			
YY		VOICE RECORDING MEMORY CARD/TENANT	SENDING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
01	Message No. of 1st Answering Message of Automated Attendant	XX: Tenant Number (00 - 63) Tenant Number of transferring station should be set.	XX	Message Number (00 - 63) assigned by YY = 00	
02	Message No. of 2nd Answering Message of Automated Attendant				
05	Message No. of Hold Service				CM48 Y=0
06	Message No. of Transferred Trunk Line (No Answer)				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
0A	Message No. of Attendant Delay Announcement				

BCD-4317705-0242-01

CM49			
YY = 00		YY = 01, 02, 05 - 08, 0A	
VOICE RECORDING MEMORY CARD No.	DATA	TENANT No.	DATA

BCD-4317705-0243-02

COMMAND 49: +49YY+ + VOICE RECORDING / TENANT No. + + DATA
 MEMORY CARD No. (2 digits) (3 digits) (2-5 digits)

COMMAND CODE	TITLE:
50	LISTED DIRECTORY NUMBER DISPLAY

1. FUNCTION:

This command assigns 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 console. The system allows digits to be added to or deleted from indialed numbers on a route basis. This command, in conjunction with Command 35-17, allows two extra leading digits to be specified. The common route indial facility allows up to eight LDNs to be identified. In addition, this command assigns the access code to be sent to a VMS after/before a Mail Box Number.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + 50YY + DE + KIND OF DATA (1 digit) + DE + DATA (1-4 digits) + EXE

4. DATA TABLE:

◀ : Initial Data

YY	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
00	0	Two leading digits to be added <i>Note 1: Command 35-17 allows digits to be added or deleted from indialed digit streams on a route basis.</i>	XX	Digits to be added
	3	Access Code to be sent out before a Mail Box Number <i>Note 2</i>	X }	Access Code to be sent out to a VMS
	4	Access Code to be sent out after a Mail Box Number	XXXX NONE ◀	X: 0-9, A (*), B (#), C/D (Pause) <i>Note 3</i> Not to be sent out

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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, Y=0, Function 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 38).

COMMAND CODE	TITLE:
50	LISTED DIRECTORY NUMBER DISPLAY

YY	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
01	0	Effective data in CM35, YY = 15	X	Dialed number
	1	LDN 0 key (Data 00 in CM46)	}	
	8	LDN 7 key (Data 07 in CM46) Note 4	XXXX	Note 5
02	0	Effective data in CM35, YY = 15	X	Dialed number
	1	TIE 0 key (Data 40 in CM46)	}	
	8	TIE 7 key (Data 47 in CM46) Note 4	XXXX	Note 5

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Note 4: Data set by this command is overridden by data set in command 58.

Note 5: These numbers must not be assigned with Commands 10 and 11.

COMMAND CODE		TITLE:			
51		AUTOMATIC TRANSFER DESTINATIONS			
1. FUNCTION:					
This command is used to define destinations for different types of diversions.					
2. PRECAUTIONS:					
If a transferred station number for a house phone call and a transferred station number for an off-hook alarm are the same, this service is not effective.					
3. ASSIGNMENT PROCEDURE:					
$\boxed{ST} + 51YY + \boxed{DE} + \text{GROUP NUMBER} + \boxed{DE} + \text{DATA (1-5 digits)} + \boxed{EXE}$					
4. DATA TABLE:					
YY	GROUP NUMBER			SETTING DATA	
	No.	MEANING		DATA	MEANING
00	00	Tenant 00	For the DID line, destination of the incoming call transferred when the station does not answer the call within a predetermined time (CM41 Y=0, No.01)	X) XXXX or E000 or EBXXX	In case a station is designated as the destination, the setting data is as follows: X) XXXX In case an ATTCON is designated as the destination, the setting data is as follows: ATT = E 000 (Fixed) In case a Voice Recording Memory card is designated as the destination in YY=00, 01, 02, 03, 04, 06, 07, 08, set the data to "EBXXX (000-127)". (See CM49, YY=00,06,07)
))			
63	Tenant 63				
01	00	Tenant 00	For the Tie line, destination of the incoming call transferred when the station does not answer the call within a predetermined time (CM41 Y=0, No.01)		
))			
63	Tenant 63				
03	00	Tenant 00	For the DID line, destination of the incoming call transferred when the station is busy.		
))			
63	Tenant 63				
04	00	Tenant 00	For the Tie line, destination of the incoming call transferred when the station is busy.		
))			
63	Tenant 63				
06	00	Tenant 00	For the DID line, destination of the incoming call transferred when the station number is not assigned.		
))			
63	Tenant 63				
07	00	Tenant 00	For the Tie line, destination of the incoming call transferred when the station number is not assigned.		
))			
63	Tenant 63				
08	00	Tenant 00	For the station-to-station call, destination of the call transferred when the station number is not assigned.	E000 or EBXXX	
))			
63	Tenant 63				

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COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

4. DATA TABLE:

YY	GROUP NUMBER			SETTING DATA	
	No.		MEANING	DATA	MEANING
10	00	Tenant 00	Destination of the call transferred when the called station is set to Do Not Disturb	X } XXXX or E000	Station Number as the destination of a call diversion. In case ATT (i.e. HA-610Z/SN610 ATTCON) is designated as the destination, the setting data is ATT = E000 (fixed).
	63	Tenant 63			
11	00	Tenant 00	Destination of the call transferred when the Room Cut Off Station dials a C.O. access code		
	63	Tenant 63			
12	00	Tenant 00	Destination of Off-Hook Alarm/Priority Call 0/1 (see CM08-250, 251; CM13, YY=02; CM15, YY=17, 18)		
	63	Tenant 63			
13	00	ATT Group 0	Destination of the call transferred when a station dials the operator access code of HA-610Z/SN610 ATTCON in Night Mode (see CM60, YY=00)		
	01	ATT Group 1			
	02	ATT Group 2			
	03	ATT Group 3			
14	00	House Phone Group 0	Destination of the House Phone (see CM12, YY=03)		
	01	House Phone Group 1			
	02	House Phone Group 2			
	03	House Phone Group 3			
15	00	Tenant 00	Destination of the call from the station for which Message Waiting is being set (see CM13, YY=13)		
	63	Tenant 63			
17	00	Tenant 00	Destination of the call after the first time interval of the ACD/UCD Delay Announcement		
	63	Tenant 63			

BCD-4317705-0248-02

COMMAND CODE	TITLE:
(MAT) 52	HOT LINE

1. FUNCTION:
 This command is used to assign a Hot Line pair to stations, HA-610Z/SN610 ATTCONs and trunks.

- 2. PRECAUTIONS:**
- (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 a connection in the opposite direction, the calling and called sides must be assigned to another Hot Line number. If all the Hot Lines are to be made bothway lines, the maximum number of Hot Line pairs becomes 50.
 - (2) The Station Number to be assigned as the Calling Station Number must be set as "Hot Line" via Command 12, YY = 03.
 - (3) If Trunk Outgoing Call has been assigned by this Command, data assignment via Commands 71 and 72 are required.
 - (4) This command is included in MAT mode menu "A6" (Hot Line [COM01]).

3. ASSIGNMENT PROCEDURE:

ST + 52YY + DE + CALLING SIDE/
 CALLED SIDE (1 digit) + DE + DATA (1 - 4 digits) + EXE

4. DATA TABLE:

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)
			Called Side	X } XXXX	Station Number/Data Station Number
				E00X	HA-610Z/SN610 ATTCON Number X represents the ATTCON Number (0-7) assigned by CM06, YY = 01/ CM10-E000-E007
				01XX	Hotline-Outside XX represents the abbreviated code for System Speed Dialing (see Commands 71 and 72).

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Note: The called ATTCON is only available to an ordinary station (not a data station).

MAT		CM52		
YY	CALLING SIDE	STATION NUMBER	CALLED SIDE	STATION NUMBER
00	0		1	
01	0		1	
02	0		1	
03	0		1	
04	0		1	
05	0		1	
06	0		1	
07	0		1	
08	0		1	
09	0		1	
10	0		1	
11	0		1	
12	0		1	
13	0		1	
14	0		1	
15	0		1	
16	0		1	
17	0		1	
18	0		1	
19	0		1	
20	0		1	
21	0		1	
22	0		1	
23	0		1	
24	0		1	
25	0		1	
26	0		1	
27	0		1	
28	0		1	
29	0		1	

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COMMAND 52: **ST** +52YY+ **DE** +CALLING SIDE / CALLED+ **DE** +DATA+ **EXE**
 (0) (1) (1-4 digits)

COMMAND CODE	TITLE:
53	TRUNK ANSWER ANY STATION RESTRICTION

1. FUNCTION:

This command is used to define the conditions for TAS service.

2. PRECAUTIONS:

None

3. ASSIGNMENT PROCEDURE:

ST +53Y+ DE + **KIND OF CALL CODE** + DE + **DATA** + EXE
 (1 digit) (1 digit)

4. DATA TABLE:

◀ :Initial Data

Y		KIND OF CALL CODE		SETTING DATA	
No.	MEANING	CODE	MEANING	DATA	MEANING
0	TAS Answer A (CM20-047)	0	Answering C.O. Ringdown Incoming Call (CM30, YY = 02,03)	0	Not Allowed
				1 ◀	Allowed
1	TAS Answer B (CM20-048)	1	Answering DID/Tie Line Incoming Call (CM76, data = 013; CM58, YY = 02-07)	0	Not Allowed
				1 ◀	Allowed
2	TAS Answer C (CM20-049)	3	Answering 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 overflow call of Direct-In-Termination (CM30, YY = 13,14)	0	Not Allowed
				1 ◀	Allowed
4	TAS Answer E (CM20-051)	7	Own & Other Tenant Answer, or Own Tenant Answers	0	Own & Other Tenant Answer (related to Command 63)
				1 ◀	Own Tenant Answers.

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CM53 (2/2)

◀ : Initial Data

CM53					
Y	KIND OF CALL CODE				
	0	1	3	4	7
	0/1	0/1	0/1	0/1	0/1
0					
1					
2					
3					
4					
	1	1	1	1	1

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COMMAND 53: **ST** + 53Y + **DE** + KIND OF CALL CODE + **DE** + DATA + **EXE**
 (1 digit) (1 digit)

COMMAND CODE		TITLE:			
(MAT) 56		INTERCOM/ZONE PAGING GROUP			
1. FUNCTION:					
This command is used to assign the Multiline Terminal number for Automatic/Manual/Dial Intercom and Internal Zone Paging.					
2. PRECAUTIONS:					
This command is included in MAT mode menu "A8" [Intercom Group (COM01)].					
3. ASSIGNMENT PROCEDURE:					
$\boxed{ST} + 56YY + \boxed{DE} + \text{INTERCOM No./SERIAL No. (2/4 digits)} + \boxed{DE} + \text{DATA (1-4 digits)} + \boxed{EXE}$					
4. DATA TABLE:					
YY		INTERCOM No./SERIAL No.	SETTING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
00 } 0 }	Internal Zone Paging Group	XX: Serial Number within a 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
07 7	Internal Zone Paging Group				
10	Assignment of Automatic Intercom 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
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; CM08-23

BCD-4317705-0254-01

COMMAND CODE	TITLE:
MAT 56	INTERCOM/ZONE PAGING GROUP

YY		INTERCOM No./SERIAL No.	SETTING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
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

BCD-4317705-0255-01

MAT		CM56	
YY (00 - 07)	SERIAL No.	STATION NUMBER	
PAGING GROUP ()	00		
	01		
	02		
	03		
	04		
	05		
	06		
	07		
	08		
	09		
	10		
	11		
	12		
	13		
	14		
	15		

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MAT		CM56	
YY (00 - 07)	SERIAL No.	STATION NUMBER	
PAGING GROUP ()	00		
	01		
	02		
	03		
	04		
	05		
	06		
	07		
	08		
	09		
	10		
	11		
	12		
	13		
	14		
	15		

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MAT		CM56	
YY (00 - 07)	SERIAL No.	STATION NUMBER	
PAGING GROUP ()	00		
	01		
	02		
	03		
	04		
	05		
	06		
	07		
	08		
	09		
	10		
	11		
	12		
	13		
	14		
	15		

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COMMAND 56: +56YY+ +SERIAL+ +STATION+
 NUMBER (2 digits) NUMBER (1 - 4 digits)

(MAT) CM56				
YY	AUTOMATIC INTERCOM NUMBER	STATION NUMBER	AUTOMATIC INTERCOM NUMBER	STATION NUMBER
10	A000		A100	
	A001		A101	
	A002		A102	
	A003		A103	
	A004		A104	
	A005		A105	
	A006		A106	
	A007		A107	
	A008		A108	
	A009		A109	
	A010		A110	
	A011		A111	
	A012		A112	
	A013		A113	
	A014		A114	
	A015		A115	
	A016		A116	
	A017		A117	
	A018		A118	
	A019		A119	
	A020		A120	
	A021		A121	
	A022		A122	
	A023		A123	
	A024		A124	
	A025		A125	
	A026		A126	
	A027		A127	
	A028		A128	
	A029		A129	
	A030		A130	
	A031		A131	

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COMMAND 56: +56YY+ + AUTOMATIC INTERCOM NUMBER (4 digits) + + STATION NUMBER (1-4 digits) +

(MAT) CM56						
YY	MANUAL INTERCOM GROUP	MANUAL INTERCOM NUMBER	STATION NUMBER	MANUAL INTERCOM GROUP	MANUAL INTERCOM NUMBER	STATION NUMBER
11	00	A200		05	A205	
		A300			A305	
		A400			A405	
		A500			A505	
		A600			A605	
		A700			A705	
	01	A201		06	A206	
		A301			A306	
		A401			A406	
		A501			A506	
		A601			A606	
		A701			A706	
	02	A202		07	A207	
		A302			A307	
		A402			A407	
		A502			A507	
		A602			A607	
		A702			A707	
	03	A203		08	A208	
		A303			A308	
		A403			A408	
		A503			A508	
		A603			A608	
		A703			A708	
	04	A204		09	A209	
		A304			A309	
		A404			A409	
		A504			A509	
A604			A609			
A704			A709			

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COMMAND 56: ST + 56YY + DE + MANUAL INTERCOM NUMBER (4 digits) + DE + STATION NUMBER (1 - 4 digits) + EXE

CM56 (6/9)

Note: If space is insufficient, use copies.

MAT							CM56						
YY	MANUAL INTERCOM GROUP	MANUAL INTERCOM NUMBER	STATION NUMBER	MANUAL INTERCOM GROUP	MANUAL INTERCOM NUMBER	STATION NUMBER							
11													

BCD-4317705-0259-02

COMMAND 56: +56YY+ + MANUAL + + STATION +
 INTERCOM NUMBER (4 digits) NUMBER (1 - 4 digits)

(MAT)		CM56				
YY	DIAL INTERCOM GROUP	DIAL INTERCOM NUMBER	STATION NUMBER	DIAL INTERCOM GROUP	DIAL INTERCOM NUMBER	STATION NUMBER
12	00	B000		03	B003	
		B100			B103	
		B200			B203	
		B300			B303	
		B400			B403	
		B500			B503	
		B600			B603	
		B700			B703	
		B800			B803	
		B900			B903	
	01	B001		04	B004	
		B101			B104	
		B201			B204	
		B301			B304	
		B401			B404	
		B501			B504	
		B601			B604	
		B701			B704	
		B801			B804	
		B901			B904	
	02	B002		05	B005	
		B102			B105	
		B202			B205	
		B302			B305	
		B402			B405	
		B502			B505	
		B602			B605	
		B702			B705	
		B802			B805	
		B902			B905	

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CM56 (8/9)

MAT							CM56						
YY	DIAL INTERCOM GROUP	DIAL INTERCOM NUMBER		STATION NUMBER	DIAL INTERCOM GROUP		DIAL INTERCOM NUMBER		STATION NUMBER				
12	06	B006			07	B007							
		B106				B107							
		B206				B207							
		B306				B307							
		B406				B407							
		B506				B507							
		B606				B607							
		B706				B707							
		B806				B807							
		B906				B907							

BCD-4317705-0261-02

COMMAND 56: + 56YY + + DIAL + + STATION +
INTERCOM NUMBER (4 digits) NUMBER (1 - 4 digits)

Note: If space is insufficient, use copies.

(MAT) CM56							
YY	DIAL INTERCOM GROUP	DIAL INTERCOM NUMBER	STATION NUMBER	DIAL INTERCOM GROUP	DIAL INTERCOM NUMBER	STATION NUMBER	
12							

BCD-4317705-0262-02

COMMAND 56: + 56YY + + DIAL INTERCOM NUMBER (4 digits) + + STATION NUMBER (1 - 4 digits) +

CM58 (1/4)

COMMAND CODE	TITLE:
58	LDN DIVERSION

1. FUNCTION:

This command is used to assign information to each DID or TIE trunk for which incoming calls are to be redirected to an alternative destination.

2. PRECAUTIONS:

This data is valid when [CM08 – 205] is assigned as "0".

3. ASSIGNMENT PROCEDURE:

[ST] + 58YY + [DE] + LDN/TIE (2 digits) + [DE] + DATA (1 – 4 digits) + [EXE]

4. DATA TABLE:

LDN/TIE	MEANING
00	Effective data in CM35, YY = 15
01	LDN 0 Key (Data 00 in [CM46])
}	}
08	LDN 7 Key (Data 07 in [CM46])
10	Effective data in CM35, YY = 15
11	TIE 0 Key (Data 40 in [CM46])
}	}
18	TIE 7 Key (Data 47 in [CM46])

BCD-4317705-0264-01

Note : Data set by this command is honored, even if data is assigned with CM50, YY = 01/02.

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 Number 00 } TAS Group Number 63
02	Day mode destination of the LDN	00 } 07 08 09 NONE ◀	HA-610Z/SN610 ATTCON LDN/TIE Key 0 } HA-610Z/SN610 ATTCON LDN/TIE Key 7 TAS (See CM53) Station 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 ◀	HA-610Z/SN610 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

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Note: *The destination station in Day Mode and Night Mode is assigned with CM58, YY=08 and YY=09, respectively.*

COMMAND CODE	TITLE:
58	LDN DIVERSION

◀ :Initial Data

YY		SETTING DATA	
No.	MEANING	DATA	MEANING
06	Day mode diversion for non-answering destination station	00	HA-610Z/SN610 ATTCON "NANS" Key Not used TAS (see CM53)
		01	
		07	
		08	
		NONE ◀	
07	Night mode diversion for non-answering destination station	00	As per YY = 06
		08	
		NONE ◀	
08	Day mode station number	X	Station number
		XXXX	
		NONE ◀	
09	Night mode station number	X	As per YY = 08
		XXXX	
		NONE ◀	

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◀ : Initial Data

CM58											
LDN (00 - 08)/ TIE (10 - 18)	YY										
	00	01	02	03	04	05	06	07	08	09	
	00 - 63	00 - 63	00 - 09	00 - 09	00 - 09	00 - 09	00 - 08	00 - 08	STATION NUMBER	STATION NUMBER	
	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

BCD-4317705-0267-02

COMMAND 58: **ST** + 58YY + **DE** + LDN/TIE + **DE** + DATA + **EXE**
 (2 digits) (1 - 4 digits)

CM59 (1/2)

COMMAND CODE	TITLE:		
59	TAS/ACD/UCD RELAY INDICATION PATTERN		
1. FUNCTION:			
This command is used to assign the indication pattern on the TAS and ACD/UCD Indicator controlled via the PK-DK01 card.			
2. PRECAUTIONS:			
None.			
3. ASSIGNMENT PROCEDURE:			
<div style="display: flex; justify-content: space-around; align-items: center;"> ST + 59 + DE + FUNCTION NUMBER (2 digits) + DE + DATA (2 digits) + EXE </div>			
4. DATA TABLE:			
◀ :Initial Data			
FUNCTION NUMBER	PURPOSE	DATA	MEANING
00	TAS/ACD/UCD RELAY INDICATION PATTERN (See CM44-13XX/14XX)	01 ◀	30 IPM
		02	60 IPM
		03	120 IPM
		07	Steady on

BCD-4317705-0268-01

◀: Initial Data

CM59	
FUNCTION NO.	DATA
00	
	01

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COMMAND 59: **ST** + 59 + **DE** + FUNCTION NO. (00) + **DE** + DATA + **EXE**
 (2 digits) (2 digits)

COMMAND CODE	TITLE:
MAT 60	ATTENDANT GROUP, FUNCTIONS

1. FUNCTION:
 This command assigns a number to an HA-610Z/SN610 ATTCON for access on a tenant basis, specify the station hundreds group for the fixed busy lamp field feature and define the consoles' night switching ability, off-hook ringing, tone ringer, password code for Attendant Lockout and Attendant Programming.

- 2. PRECAUTIONS:**
- (1) CM60, YY = 00, 01, 02, 04, 06 require system initialization after data setting.
 - (2) This command is included in MAT mode menu "C2" (ATT Group Functions [COM02])
 - (3) The data for HA-610Z ATTCON-A and SN610 ATTCON is shown below. ×: To be assigned
 - : Not to be assigned

YY	00	01	02	04	06	15	16	17	26	27	30
KIND OF ATTCON											
HA-610Z ATTCON	×	×	×	×	×	-	-	-	×	-	-
SN610 ATTCON	×	×	×	×	×	×	×	×	-	×	×

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- (4) The password for SN610 ATTCON (YY = 30) cannot be assigned by the MAT mode menu.
- (5) In the case of assigning a password code for a SN610 ATTCON with CM60, YY = 30, the Function Number (0/1) is required as the first data. The purpose of Function Numbers is shown below.
 - 0: To assign a password for ATTCON Lockout
 - 1: To assign a password for Attendant Programming
(DISA, System Speed Dialing, Date and Time, and Tone Ringer)

3. ASSIGNMENT PROCEDURE:

$$\boxed{\text{ST}} + 60YY + \boxed{\text{DE}} + \begin{array}{l} \text{ATTCON} \\ \text{NUMBER} \\ (0-7) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ (1-2 \text{ digit}) \end{array} + \boxed{\text{EXE}}$$

COMMAND CODE	TITLE: ATTENDANT GROUP, FUNCTIONS
(MAT) 60	

4. DATA TABLE

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (Group No.)	ATT Group INITIAL	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 INITIAL	0 1 ◀	Master ATT Note 1 Not a Master ATT	
02 (A0)	Trunk Restriction Class change by NT Switch Note 2 INITIAL	0 1 ◀	Effective Ineffective	CM12, YY = 01
04 (A2)	Outgoing call restriction on night mode by NT Switch Note 2 INITIAL	0 1 ◀	Effective Ineffective	CM30 YY = 08
06 (A4)	Day/Night mode change by NT Switch Note 2 INITIAL	0 1 ◀	Effective Ineffective	CM30, YY = 02, 03, 04, 05, 13, 14; CM76, Y = 0, 1; CM58, YY = 02-09
15 (F5)	Change of the location of Answer and Release keys for SN610 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 SN610 ATTCON	0 1 ◀	To be provided No t to be provided	
17 (F7)	SN610 ATTCON Multi-Function Key	0 1 ◀	Ineffective Effective	CM90, YY = 00

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COMMAND CODE	TITLE:
(MAT) 60	ATTENDANT GROUP, FUNCTIONS

4. DATA TABLE

◀ : Initial Data

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
26 (BLF)	Designation of Busy Lamp Field - Fixed displayed stations' hundreds group for HA-610Z ATTCON	00	1- or 2-digit station (0-9, 00-99)	CM08-27
		01	3-digit station (1XX-9XX)	
		?		
		09		
		10	4-digit station (10XX-99XX)	
		?		
99				
27 (Tone Ring)	Tone ringer for SN610 ATTCON	0	600 + 700 (Hz)	
		1	480 + 606 × 8 (Hz)	
		2	1024 + 1285 × 16 (Hz)	
		3 ◀	480 + 606 × 16 (Hz)	
30	Password for SN610 ATTCON	X	Password code (max. 8 digits) X = 0-9, A (*), B (#)	Note 3
		?		
		XX...XX		
		NONE ◀		

BCD-4317705-0439-04

Note 1: A Master ATT must be assigned to a single ATTCON within the ATT Group.

Note 2: This data is effective for the NITE key on an HA-610Z ATTCON and Day/Night Mode change on an SN610 ATTCON. The NT switch is effective only on the Master Attendant Console assigned by CM60, YY = 01.

Note 3: In the initial data (NONE), the password code is set to "12345678".

◀: Initial Data

MAT											
CM60											
ATT NUMBER	YY										
	00	01	02	04	06	15	16	17	26	27	30
	0-3 (GROUP No.)	0/1 (MASTER)	0/1 (A0)	0/1 (A2)	0/1 (A4)	0/1 (F5)	0/1 (F6)	0/1 (F7)	00-99 (BLF)	0/3 (TONE RING)	X ? XX...XX
0											
1											
2											
3											
4											
5											
6											
7											
		1	1	1	1	1	1	1	1	3	NONE

BCD-4317705-0272-04

COMMAND 60: **ST** +60YY+ **DE** +ATT NUMBER+ **DE** +DATA+ **EXE**
 (1 digit) (1-2 digits)

COMMAND CODE	TITLE:						
(MAT) 61	EXTERNAL KEY FUNCTION						
1. FUNCTION:							
This command is used to activate and specify the function of the switch closure detection circuit (PK-DK02 card) interfaced with external keys.							
2. PRECAUTIONS:							
(1) This command is included in MAT mode menu "E4" (External key function [COM02]).							
3. ASSIGNMENT PROCEDURE:							
ST + 61YY + DE + KEY NUMBER (3 digits) + DE + DATA (1-2 digits) + EXE							
4. DATA TABLE:							
						◀ :Initial Data	
KEY NUMBER			YY		SETTING DATA		RELATED COMMAND
No.	MEANING		No.	MEANING	DATA	MEANING	
XXX	XX	X	00 (TN)	Destination of Tenant	00 § 63	Tenant 00 § Tenant 63	
	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <div style="border-left: 1px solid black; border-bottom: 1px solid black; width: 15px; height: 15px; margin-bottom: 5px;"></div> <div style="border-left: 1px solid black; border-bottom: 1px solid black; width: 15px; height: 15px; margin-bottom: 5px;"></div> </div> <div> <p>Card No. (00-63)</p> <p>Circuit No. (0-7)</p> </div> </div> <p>Note : The card number corresponds to 00-63 of CM 10, E900 - E963</p>		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 CM 76, Y=0,1 CM5, YY=02-09
			06 (A5)	Even if the station-to-station call is restricted, the calling tenant is allowed to cancel the restriction with the external key	0 1 ◀	Effective Ineffective	CM63, Y=1

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◀: Initial Data

MAT		CM61				
KEY NUMBER	YY					
	00 (TN)	01 (A0)	03 (A2)	05 (A4)	06 (A5)	
	00 - 63	0 / 1	0 / 1	0 / 1	0 / 1	
		1	1	1	1	

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COMMAND 61: [ST] +61YY+ [DE] +KEY NUMBER+ [DE] +DATA+ [EXE]
 (3 digits) (1-2 digits)

COMMAND CODE	TITLE:																																									
62	TENANTS FOR EACH ATT GROUP		INITIAL																																							
<p>1. FUNCTION:</p> <p>This command is used to assign the tenants which can be handled by each ATT (HA-610Z ATTCON/SN610 ATTCON) Group.</p>																																										
<p>2. PRECAUTIONS:</p> <p>(1) This command requires system initialization after data setting.</p> <p>(2) Multiple tenants can be assigned to one ATT Group, but one tenant cannot be assigned to multiple ATT Groups.</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; text-align: center;"> <thead> <tr> <th colspan="2" style="padding: 5px;">Y</th> <th colspan="3" style="padding: 5px;">TENANT</th> <th colspan="2" style="padding: 5px;">SETTING DATA</th> <th rowspan="2" style="padding: 5px;">RELATED COMMAND</th> </tr> <tr> <th style="padding: 5px;">No.</th> <th style="padding: 5px;">MEANING</th> <th style="padding: 5px;">No.</th> <th style="padding: 5px;">MEANING</th> <th style="padding: 5px;">No.</th> <th style="padding: 5px;">MEANING</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0</td> <td style="padding: 5px;">ATT Group 0</td> <td style="padding: 5px;">00</td> <td style="padding: 5px;">Tenant 00</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">To be handled</td> <td rowspan="4" style="padding: 5px; vertical-align: top;">CM60, YY = 00</td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">ATT Group 1</td> <td style="padding: 5px;">}</td> <td style="padding: 5px;">}</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">◀ Not to be handled</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">ATT Group 2</td> <td style="padding: 5px;">63</td> <td style="padding: 5px;">Tenant 63</td> <td></td> <td></td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">ATT Group 3</td> <td></td> <td></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	63	Tenant 63			3	ATT Group 3				
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	63	Tenant 63																																							
3	ATT Group 3																																									

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◀ : Initial Data

CM62				
TENANT NUMBER	Y			
	0	1	2	3
00				
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				
	1	1	1	1

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CM62				
TENANT NUMBER	Y			
	0	1	2	3
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
	1	1	1	1

BCD-4317705-0277-02

COMMAND 62: **ST** + 62Y + **DE** + TENANT + **DE** + SETTING DATA + **EXE**
 NUMBER (2 digits) (1 digit)

COMMAND CODE		TITLE:				
63		RESTRICTION OF INTER-TENANT CONNECTION				
1. FUNCTION:						
This command is used to define the restrictions on inter-tenant access.						
2. PRECAUTIONS:						
None.						
3. ASSIGNMENT PROCEDURE:						
ST + 63Y + DE + TENANT-A (2 digits) + TENANT-B (2 digits) + DE + DATA (1 digit) + EXE						
4. DATA TABLE:						
						◀ :Initial Data
Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
0	TAS answer from another tenant	<u>XX XX</u>	Tenant B: tenant number of trunk	0	TAS Allowed	CM 53, Code 7
			Tenant A: tenant number of TAS answer station	1 ◀	TAS Not Allowed	
1	Restriction of intra-office connection	<u>XXXX</u>	Tenant B: tenant number of called station	0	Connection Restricted	CM61, YY=06; CM08-150
			Tenant A: tenant number of calling station	1 ◀	Connection Allowed	
2	Restriction of incoming Indial/TIE line call/Automated Attendant	<u>XXXX</u>	Tenant B: tenant number of trunk	0	Termination Restricted	
			Tenant A: tenant number of called station	1 ◀	Termination Allowed	

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◀ : Initial Data

CM63																				
Y	TENANT A	TENANT B																		
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18
0	00																			
	01																			
	02																			
	03																			
	04																			
	05																			
	06																			
	07																			
	08																			
	09																			
	10																			
	11																			
	12																			
	13																			
	14																			
	15																			
	16																			
	17																			
	18																			
	19																			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

BCD-4317705-0280-01

COMMAND 63: + 63Y + + TENANT A + TENANT B + + DATA +
 (2 digits) (2 digits) (1 digit)

◀ : Initial Data

CM63																				
Y	TENANT A	TENANT B																		
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18
1	00																			
	01																			
	02																			
	03																			
	04																			
	05																			
	06																			
	07																			
	08																			
	09																			
	10																			
	11																			
	12																			
	13																			
	14																			
	15																			
	16																			
	17																			
	18																			
	19																			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

BCD-4317705-0281-01

COMMAND 63: +63Y+ +TENANT A+TENANT B+ +DATA+
 (2 digits) (2 digits) (1 digit)

◀ : Initial Data

CM63																				
Y	TENANT A	TENANT B																		
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
2	00																			
	01																			
	02																			
	03																			
	04																			
	05																			
	06																			
	07																			
	08																			
	09																			
	10																			
	11																			
	12																			
	13																			
	14																			
	15																			
	16																			
	17																			
	18																			
	19																			
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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COMMAND 63: **ST** + 63Y + **DE** + TENANT A + TENANT B + **DE** + DATA + **EXE**
 (2 digits) (2 digits) (1 digit)

CM63 (5/5)

Note: If space is insufficient, use copies.

◀ : Initial Data

CM63																		
Y	TENANT A	TENANT B																
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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COMMAND 63: **ST** + 63Y + **DE** + TENANT A + TENANT B + **DE** + DATA + **EXE**
 (2 digits) (2 digits) (1 digit)

COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT

1. FUNCTION:
 This command is used to define the answering system of the Automated Attendant feature.

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:
 $\boxed{ST} + 64Y + \boxed{DE} + \text{TENANT NUMBER (2 digits)} + \boxed{DE} + \text{DATA (2 digits)} + \boxed{EXE}$

4. DATA TABLE: ◀ :Initial Data

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
0	Setting of Answering System	XX: 00-63	00	DT Connection	CM30, YY = 02,03; CM48, Y = 2; CM41, Y = 0, Function 43
			01	Not Used	
			02	1st Message and then DT Connection	
			03 ◀	DT Connection	

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Note: *If no tone connection is required, Dial Tone sending can be stopped by CM48, Y = 2.*

COMMAND CODE	TITLE:
65	SERVICE FEATURES ON TENANT BASIS

1. FUNCTION:
 This command is used to define the features available in each tenant.

2. PRECAUTIONS:
 None.

3. ASSIGNMENT PROCEDURE:
 $\boxed{ST} + 65YY + \boxed{DE} + \text{TENANT NUMBER (2 digits)} + \boxed{DE} + \text{DATA (1 digit)} + \boxed{EXE}$

4. DATA TABLE: ◀: Initial Data

YY		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
50	When the transferred destination does not answer.	XX: 00-63	0	Connection of the Transferred Trunk Line Message (No Answer)	CM41, Y=0, Function 07; 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	

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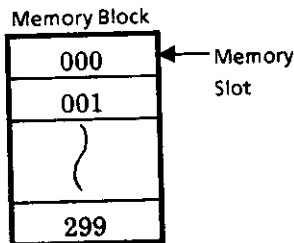
COMMAND CODE	TITLE:
(MAT) 71	MEMORY ALLOCATION FOR SYSTEM SPEED DIALING

1. FUNCTION:

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

2. PRECAUTIONS:

- (1) System Speed Dialing has 300 memory locations system-wide; this is referred to as a "Memory Block" (see figure at right). Each location where a dialed number is stored is called a "Memory Slot".



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

TENANT	QUANTITY OF SLOTS	RANGE OF SLOT NUMBERS
00	20	001 - 019
01	15	020 - 034
02	10	035 - 044

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(2) Limitations 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)

- (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.

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

- (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

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- (5) The Resident System Program allocates 100 memory slots to Tenant 00.
 (6) This command is included in the MAT mode menu "E13" [Speed Dialing (COM04)].

3. ASSIGNMENT PROCEDURE:

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

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

4. DATA TABLE:

KIND OF CALLING PARTY		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Tenant 00	XXXXXX	<p><u>XXX</u> <u>XXX</u></p> <p>Quantity of Memory Slots to be assigned in Block</p> <p>First Memory Slot Number in Block</p>
63	Tenant 63		
64	Exclusively for HA-610Z/ SN610 ATTCON		
65	Exclusively for Hot Line Outside Call (Related Command: CM52)		<ul style="list-style-type: none"> • First Memory Slot Number in Block: 000 – 299
66	Exclusively for Route Advance from Tie line to C.O. line (Related Command: CM35, YY = 40)		<ul style="list-style-type: none"> • Number of Slots to be assigned in Block: 001 – 300 <p style="text-align: center;">Note</p>

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Note: An entry of "040020" would allocate a block of 20 memory slots, starting with memory slot number "040". The last memory slot number would be "059".

CM71 (4/4)

MAT CM71		
KIND OF CALLING PARTY	DATA	
	1ST MEMORY SLOT No. (000 - 299)	QUANTITY of SLOTS (001 - 300)
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		

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MAT CM71		
KIND OF CALLING PARTY	DATA	
	1ST MEMORY SLOT No. (000 - 299)	QUANTITY of SLOTS (001 - 300)
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		

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

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 Command 71.</p>	
<p>2. PRECAUTIONS:</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 in the Stored Number exceeds 16, the 17th to 26th digits are indicated by the next DE.</p> <p>(2) Data can 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 in the case of an Outgoing Tie Line call, it is 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 indicated with CM 41, Y=0, Function 38.</p> <p>(4) This command is included in the MAT mode menu "E13" [Speed Dialing (COM04)].</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>4. DATA:</p> <p>(1) The Stored Number, for System Speed Dialing, is to be assigned to a 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 Command 71 taken into consideration.</p> <p>(2) Each Stored Number should be assigned, including the access code for the C.O. line/Tie line, together with the party's number; the format is as follows:</p> <p style="text-align: center;">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: $\boxed{}$; 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). 	

CM72 (2/3)

(MAT)		CM72			
MEMORY SLOT NUMBER	STORED NUMBER			TENANT NUMBER	ABBREVIATED CODE
	ACCESS CODE	SEPARATE MARK	CALLED PARTY NUMBER (MAX. 26 DIGITS)		
000					
001					
002					
003					
004					
005					
006					
007					
008					
009					
010					
011					
012					
013					
014					
015					
016					
017					
018					
019					

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COMMAND 72: ST +72+ DE + MEMORY SLOT + DE + STORED NUMBER + EXE
 NUMBER (3 digits) (Max. 28 digits)

COMMAND CODE	TITLE:													
(MAT) 73	MEMORY ALLOCATION FOR STATION SPEED DIALING													
1. FUNCTION:														
This command is used to allocate memory areas, for Station Speed Dialing, to individual stations.														
2. PRECAUTIONS:														
(1) The allowed number of 10-Slot Memory Blocks per Station Number ranges from 1 to 10. (2) There are 4500 Station Speed Dial Numbers available. (3) The Resident System Program allocates one 10-Slot Memory Block each to single-line, ETE6-2, and ETE16-2. (4) This command is included in the MAT mode menu "E13" [Speed Dialing (COM04)].														
3. ASSIGNMENT PROCEDURE:														
<table style="margin: auto; border: none;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">ST</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">73</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">STATION NUMBER (1 - 4 digits)</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">DATA (6 digits)</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">EXE</td> </tr> </table>		ST	+	73	+	DE	+	STATION NUMBER (1 - 4 digits)	+	DE	+	DATA (6 digits)	+	EXE
ST	+	73	+	DE	+	STATION NUMBER (1 - 4 digits)	+	DE	+	DATA (6 digits)	+	EXE		
4. DATA TABLE:														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; padding: 5px;">STATION NUMBER</th> <th style="width: 85%; padding: 5px;">SETTING DATA</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px; vertical-align: top;"> X } XXXX </td> <td style="padding: 5px; vertical-align: top;"> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; padding: 5px;">Station Number which performs Station Speed Dialing</td> <td style="width: 10%; padding: 5px;">XXXXXX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 35%; padding: 5px;"> Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4) </td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Notes 1,2, and 3</p> </td> </tr> </tbody> </table>		STATION NUMBER	SETTING DATA	X } XXXX	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; padding: 5px;">Station Number which performs Station Speed Dialing</td> <td style="width: 10%; padding: 5px;">XXXXXX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 35%; padding: 5px;"> Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4) </td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Notes 1,2, and 3</p>	Station Number which performs Station Speed Dialing	XXXXXX	X	XX	X	XX	Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4)		
STATION NUMBER	SETTING DATA													
X } XXXX	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; padding: 5px;">Station Number which performs Station Speed Dialing</td> <td style="width: 10%; padding: 5px;">XXXXXX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 5%; padding: 5px;">X</td> <td style="width: 10%; padding: 5px;">XX</td> <td style="width: 35%; padding: 5px;"> Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4) </td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Notes 1,2, and 3</p>	Station Number which performs Station Speed Dialing	XXXXXX	X	XX	X	XX	Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4)						
Station Number which performs Station Speed Dialing	XXXXXX	X	XX	X	XX	Quantity of 10-Slot Memory Blocks (01 - 10) Facility for programming the dialed number from the station (0/1 = Allowed/Not Allowed) The first 10-Slot Memory Block number (00 - 99) The 1000-Slot Memory Block number (0 - 4)								

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

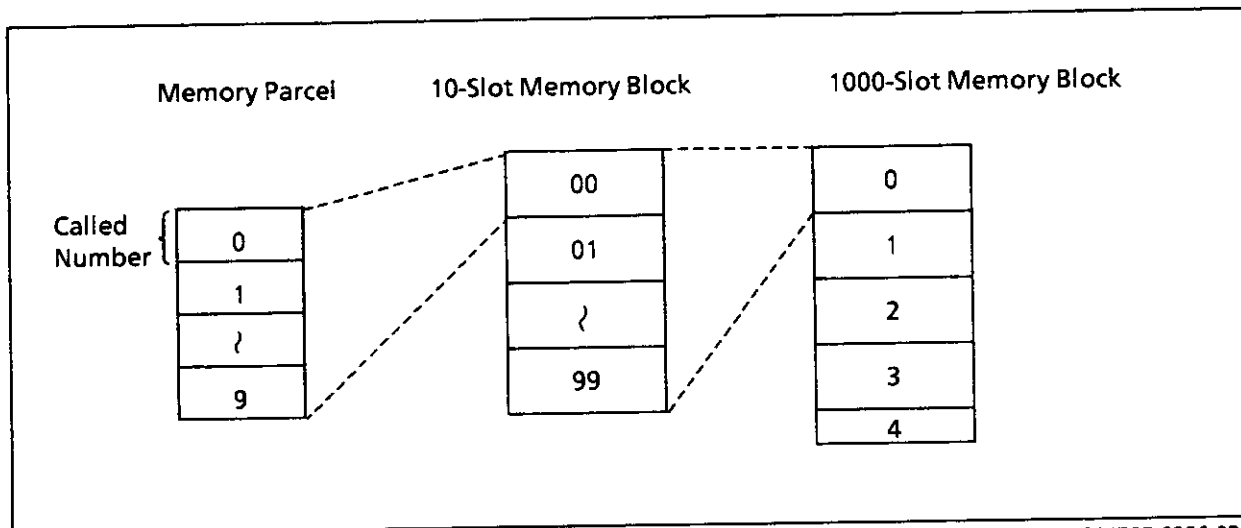
Note 1: If 1000-Slot Memory Block number "4" is chosen, then the 10-Slot Memory Block number range is "00" to "49" (see the figure below).

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.

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 relation among these Memory Parcels, 10-Slot Memory Blocks, and 1000-Slot Memory Blocks is illustrated below. An example of memory assignment follows.



BCD-4317705-0296-03

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

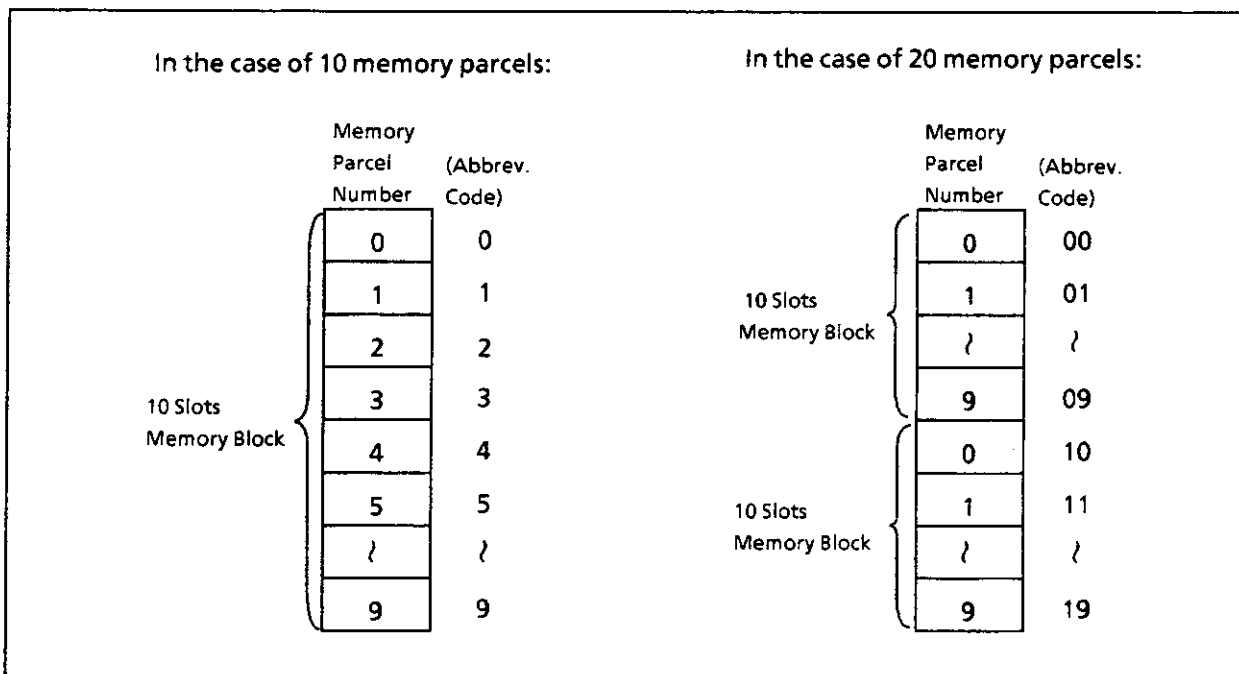
COMMAND CODE	TITLE:
MAT 73	MEMORY ALLOCATION FOR STATION SPEED DIALING

- 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.



BCD-4317705-0297-02

A memory area allocated with CM73 can be shared by multiple 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 }	000003 } 000103 } 000103 }	Allowed Not Allowed Not Allowed
310 } 311 } 312 }	003002 } 003102 } 003102 }	Same Stored No. (30) Same Stored No. (20) Allowed Not Allowed Not Allowed

Note: *If space is insufficient, use copies.*

MAT				
CM73				
STATION NUMBER	SETTING DATA			
	1000-SLOT MEMORY BLOCK (0 - 4)	FIRST 10-SLOT MEMORY BLOCK (00 - 99)	PROGRAM FACILITY (0/1)	QUANTITY OF 10-SLOT MEMORY BLOCKS (01 - 10)
Single-Line Tel	0	00	0	01
Multiline term ETE6-2	0	00	0	01
Multiline term ETE16-2	0	00	0	01

BCD-4317705-0298-02

COMMAND 73: **ST** +73+ **DE** + STATION NUMBER + **DE** + DATA + **EXE**
(1 - 4 digits) (6 digits)

COMMAND CODE	TITLE:										
MAT 74	STORED NUMBER FOR STATION SPEED DIALING										
1. FUNCTION:											
<p>This command is used to enter the stored number, for the Station Speed Dialing feature, into the memory allocated with Command 73.</p>											
2. PRECAUTIONS:											
<p>(1) The stored number, exclusive of any access code, can be a maximum of 16 digits.</p> <p>(2) Data can 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 "E13" [Speed dialing (COM04)].</p>											
3. ASSIGNMENT PROCEDURE:											
$\boxed{\text{ST}} + 74 + \boxed{\text{DE}} + \begin{matrix} \text{MEMORY SLOT} \\ \text{NUMBER} \\ (4 \text{ digits}) \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{STORED NUMBER} \\ (Max. 16 \text{ digits}) \end{matrix} + \boxed{\text{EXE}}$											
4. DATA											
<p>(1) MEMORY SLOT NUMBER = 1000-Slot Memory Block number (0-4) + 10-Slot Memory Block number (00-99) + Memory Parcel number (00-09)</p> <p>For example, an entry of "3428" represents:</p> <table style="margin-left: 40px;"> <tr> <td>1000-Slot Memory Block number</td> <td>3</td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> </tr> <tr> <td>10-Slot Memory Block number</td> <td>42</td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> </tr> <tr> <td>Memory Parcel number</td> <td>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: $\boxed{,}$:to be inserted between the Access Code and Stored Number • Number: C.O. network subscriber number or station number in the distant PBX (maximum of 16 digits) 		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. PRECAUTIONS:

The first digit in the RECEIVED DIGITS field must be assigned , in CM20, YY=03, as a station number 801-811.

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

Y		RECEIVED DIGITS	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
0	For Day mode	X-XXXX: Station Number received	X	X: Station/Data	CM 35, YY = 18
1	For Night mode		) XXXX	X: Station/Data Station Number to be terminated.	
			DXX	Change Terminating System to: D01: TAS D02: D03: D04: DIT D13: TAS D14: HA-610Z/SN610 ATTCON D16: DISA	CM30, YY = 04,05

BCD-4317705-0300-04

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 a Multiline Terminal or SN610 ATTCON.

2. PRECAUTIONS:

(1) This command is included in MAT mode menu "E7" (Name Display [COM03]).

3. ASSIGNMENT PROCEDURE:

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

4. DATA TABLE:

Y		RECEIVED DIGITS	SETTING DATA		RELATED COMMANDS
No.	MEANING		DATA	MEANING	
0	Station Name Assignment with Character Code	X-XXXX: Station Number	20 } 7F	Character Code (Max. 16 digits) Refer to Character Code Table (ASCII) on next page.	CM 08-255 CM 20-A10
1 (STA)	Station Name Assignment with character	or Primary Extension Number	X } X----X	Character (Max. 8 digits) Note 1	
2	Trunk Name Assignment with Character Code	00-14, 16-63: Trunk Name No. assigned by CM35, YY=03	20 } 7F	Character Code (Max. 8 digits) Refer to Character Code Table (ASCII) on next page.	CM 35, YY=03 CM 08-255
3 (TRK)	Trunk Name Assignment with character		X } X----X	Character (Max. 4 digits) Note 2	

BCD-4317705-0302-03

Note 1: The characters available for assignment are:
 0-9, A-F for ETE-6D-2 and 0-9, A-Z for ETE-16D-2 or MAT.

Note 2: Station Name assignment is also available in each Multiline Terminal or SN610 ATTCON with the access code assigned with CM20-A10.

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

COMMAND CODE	TITLE:
77	STATION/TRUNK NAME ASSIGNMENT

• Character Code Table

2ND \ 1ST	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	←

BCD-4317705-0303-02

COMMAND CODE	TITLE:
80	TOLL RESTRICTION PATTERN

1. FUNCTION:

This command is used to set the Toll Restriction Pattern.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + 80 + DE + TOLL RESTRICTION CONTROL CODE (1 digit) + DE + DATA (1 digit) + EXE

4. DATA TABLE:

◀: Initial Data

TOLL RESTRICTION CONTROL CODE		SETTING DATA		REMARKS
CODE	MEANING	DATA	MEANING	
0	Toll Restriction Pattern	0		Not used
		1		Not used
		2 ◀	Toll Restriction	With LCR
		3		Not used

BCD- 4317705-0305-02

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

1. FUNCTION:

Toll call restriction is controlled by combinations of the toll office code dialed and the assigned station trunk restriction class. With respect to toll call restriction, there are five kinds of trunk restriction classes; Unrestricted (RCA), Non-Restricted-1 (RCB), Non-Restricted-2 (RCC), Semi-Restricted-1 (RCD), and Semi-Restricted-2 (RCE). Since toll call restricting conditions for the same toll office code vary with the trunk class, restricting patterns are made available so that toll call restriction can be executed on all attempted outgoing toll calls.

2. PRECAUTIONS:

- (1) Using CM 00, 01 (Memory Clear), or Resident System Program, the data below is assigned (0=restricted, 1=restricted, 3=allowed).
- (2) The restricted classes "00" and "15" are fixed; restricted classes "01" to "13" can be changed.

TRUNK RESTRICTION CLASS		YY														
		01	02	03	04	05	06	07	08	09	10	11	12	13	15	00
		TOLL RESTRICTION PATTERN NUMBER - TRUNK RESTRICTION CLASS														
		01	02	03	04	05	06	07	08	09	10	11	12	13	15	00
1	RCA	3	0	3	3	3	1	1	1	3	3	3	3	3	3	0
2	RCB	3	0	3	3	0	1	1	0	3	3	1	1	1	3	0
3	RCC	3	0	3	0	0	1	0	0	3	1	1	1	0	3	0
4	RCD	3	0	0	0	0	0	0	0	1	1	1	0	0	3	0
5	RCE	3	0	0	0	0	0	0	0	1	1	1	0	0	3	0

BCD-4317705-0306-02

3. ASSIGNMENT PROCEDURE:

The following command format is used to effect any necessary change to standard assignment data above to meet local requirements:

$$\boxed{\text{ST}} + 81\text{YY} + \boxed{\text{DE}} + \begin{matrix} \text{TRUNK} \\ \text{RESTRICTION} \\ \text{CLASS} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{DE}} + \begin{matrix} \text{DATA} \\ \text{(1 digit)} \end{matrix} + \boxed{\text{EXE}}$$

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

4. DATA TABLE:

YY		TRUNK RESTRICTION CLASS		ASSIGNMENT DATA	
No.	MEANING	No.	MEANING	DATA	MEANING
01 } 13	Toll Restriction Pattern Number for Each Class : 01 13	1	Unrestricted (RCA)	0	Restricted
		2	Non-Restricted-1 (RCB)	1	Restricted (Same as Data "0")
		3	Non-Restricted-2 (RCC)	2	Not Used
		4	Semi-Restricted-1 (RCD)	3	Allowed
		5	Semi-Restricted-2 (RCE)		

BCD-4317705-0307-04

◀: Initial Data

TRUNK RESTRICTION CLASS		CM81-YY														
		01	02	03	04	05	06	07	08	09	10	11	12	13	15	00
		TOLL RESTRICTION PATTERN NUMBER - TRUNK RESTRICTION CLASS														
		01	02	03	04	05	06	07	08	09	10	11	12	13	15	00
1	RCA	3	0	3	3	3	1	1	1	3	3	3	3	3	3	0
2	RCB	3	0	3	3	0	1	1	0	3	3	1	1	1	3	0
3	RCC	3	0	3	0	0	1	0	0	3	1	1	1	0	3	0
4	RCD	3	0	0	0	0	0	0	0	1	1	1	0	0	3	0
5	RCE	3	0	0	0	0	0	0	0	1	1	1	0	0	3	0
1	RCA														3	0
2	RCB														3	0
3	RCC														3	0
4	RCD														3	0
5	RCE														3	0

BCD-4317705-0307-03

DATA 0: Restricted
 1: Restricted (same as data "0")
 3: Allowed

COMMAND 81: +81YY+ +TRUNK RESTRICTION + +DATA+
 CLASS (1 digit) (1 digit)

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

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. PRECAUTIONS:

- (1) This command is included in MAT mode menu "B4" (Maximum number of digits [COM03]).
- (2) This command is effective when CM35, YY = 76 is assigned.

3. ASSIGNMENT PROCEDURE:

[ST] + 85Y + [DE] + AREA/OFFICE CODE (1 - 8 digits) + [DE] + MAXIMUM NUMBER OF SENDING DIGITS (2 digits) + [EXE]

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
}	Develop-	}		01	1 digit
7	ment	X-----X		02	2 digits
	Pattern	(Max. }		}	}
	No.0-7	8 digits)		24	◀ 24 digits Note 1
	0-4: For			}	}
	TR			79	79 digits
	5-7: For		80	Go back to Area Code Development	
	LCR		}	Pattern No.0 for Toll Restriction	
	(see CM35,		}	(CM85, Y = 0) Note 2	
	YY = 76;		84	Go back to Area Code Development	
	CM8A,		}	Pattern No.4 for Toll Restriction	
	A000)		}	(CM85, Y = 4) Note 2	
			85	Go back to Area Code Development	
			}	Pattern No.5 for LCR	
			}	(CM85, Y = 5) Note 2	
			87	Go back to Area Code Development	
			}	Pattern No.7 for LCR	
			}	(CM85, Y = 7) Note 2	

BCD-4317705-0308-02

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:
88	AUTOMATIC PAUSE ENTRY

1. FUNCTION:

This command is used to define the pause which is automatically provided after particular dialed digit(s) on an outgoing call.

2. PRECAUTIONS:

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 = #	
			0	Not to be provided	
			3 ◀	To be provided	
1	Provision of Automatic Pause		1	Variable (set by CM41, Y=0, Function 38)	
			2	1.5 sec.	
			3 ◀	No pause	
2	Timing of Automatic Pause				

BCD-4317705-0310-01

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

CM88 (2/2)

◀ : Initial Data

CM88			
BLOCK NUMBER	Y = 0 (1 - 7 digits)	Y = 1 (0/3)	Y = 2 (1 - 3)
		3	3

BCD-4317705-0311-02

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

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

1. FUNCTION:

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

2. PRECAUTIONS:

This command is included in MAT mode menu "B5" (L.C.R. & T.R. (Develop.) [COM03]) and "B6" (LCR & TR Pattern [COM03]).

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 Commands CM35, YY = 11, 76)

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
000 } 063 (RATN)	Route Pattern No.00 } Route Pattern No.63	1 (No.)	TR (/LCR) Pattern for 6-digit Toll Restriction	00000 } 25500 (RT No.)	XXX 00 (See YYY = 500-755) TR Pattern No. 000-255
100 } 115 (TNP)	Tenant Pattern No.00 } Tenant Pattern No.15	00 } 63 (TN No.)	Tenant No. 00 } Tenant No. 63	00 } 63 (RATN)	Route Pattern No.00 } Route Pattern No.63 (YYY = 000-063)
200 } 207 (RATND)	Time Pattern No.00 } Time Pattern No.07	0000 } 2330 (Time)	XX XX Minutes 00/30 Hours 00-23	000 } 063 (RATN) 100 } 115 (TNP)	Route Pattern No.00 } Route Pattern No. 63 (YYY = 000-063) Tenant Pattern No.00 } Tenant Pattern No.15 (YYY = 100-115)

BCD-4317705-0312-01

CM8A (2/8)

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

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
300	Date Pattern No.00	0	Sunday	000	Route Pattern No.00
}	}	1	Monday	}	}
303	Date Pattern No.03	2	Tuesday	063	Route Pattern No.63
(RATWN)		3	Wednesday	(RATN)	YYY = 000-063
		4	Thursday	100	Tenant Pattern No.00
		5	Friday	}	}
		6	Saturday	115	Tenant Pattern No.15
		(Week)		(TNP)	YYY = 100-115
				200	Time Pattern No.00
				}	}
				207	Time Pattern No.07
				(RATND)	YYY = 200-207
400	Area Code	NXX	Area Code	000	Route Pattern No.00
}	Development	1NXX	(Max. 8 digits)	}	}
}	Pattern No.00	(X)	N: 2-9	063	Route Pattern No.63
	}	}	X: 0-9	(RATN)	YYY = 000-063
404	Area Code	(X...X)		100	Tenant Pattern No.00
(DCP)	Development	(DC)		}	}
	Pattern No.04			115	Tenant Pattern No.15
				(TNP)	YYY = 100-115
				200	Time Pattern No.00
				}	}
				207	Time Pattern No.07
				(RATDN)	YYY = 200-207
				300	Date Pattern No.00
				}	}
				303	Date Pattern No.03
				(RATWN)	YYY = 300-303
				400	Area Code Develop-
				}	ment Pattern No.00
				}	}
				404	Area Code Develop-
				(DCP)	ment Pattern No.04
				900	Trunk Restriction
				}	Pattern No. 00 Note
				}	}
				915	Trunk Restriction
				(CP)	Pattern No. 15

BCD-4317705-0313-02

Note: See CM81.

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

◀ : Initial Data

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

BCD-4317705-0314-01

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

4. DATA TABLE:

4.2 LCR

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
000 } 063 (RATN)	Route Pattern No.00 } Route Pattern No.63	0 (No.)	Designation of next table (Route Pattern No.)	00 } 63 (RATN)	Route Pattern No.00 } Route Pattern No.63
		1 2 3 4 (No.)	1st 2nd 3rd 4th } Order of Choice	00000 } 25563 (RT No.)	<u>XXX</u> <u>XX</u> └─┬─┘ Trunk Route No.00-63 └─┬─┘ LCR/TR Pattern No.000-255
100 } 115 (TNP)	Tenant Pattern No.00 } Tenant Pattern No.15	00 } 63 (TN No.)	Tenant No.00 } Tenant No.63	00 } 63 (RATN)	Route Pattern No.00 } Route Pattern No.63 (YYY = 000-063)
200 } 207 (RATND)	Time Pattern No.00 } Time Pattern No.07	0000 } 2330 (Time)	<u>XX</u> <u>XX</u> └─┬─┘ Minutes 00/30 └─┬─┘ Hours 00-23	000 } 063 (RATN) 100 } 115 (TNP)	Route Pattern No.00 } Route Pattern No.63 (YYY = 000-063) Tenant Pattern No.00 } Tenant Pattern No.15 (YYY = 100-115)

BCD-4317705-0315-01

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

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
300	Date Pattern No.00	0	Sunday	000	Route Pattern No.00
}	}	1	Monday	}	}
303	Date Pattern No.03	2	Tuesday	063	Route Pattern No.63
(RATWN)		3	Wednesday	(RATN)	(YYY = 000-063)
		4	Thursday	100	Tenant Pattern No.00
		5	Friday	}	}
		6	Saturday	115	Tenant Pattern No.15
		(Week)		(TNP)	(YYY = 100-115)
				200	Time Pattern No.00
				}	}
				207	Time Pattern No.07
				(RATDN)	(YYY = 200-207)
405	Area Code	NXX	Area Code	000	Route Pattern No.00
}	Development	1NXX	(Max. 8 digits)	}	}
}	Pattern No.05	X	N: 2-9	063	Route Pattern No.63
	}	}	X: 0-9	(RATN)	(YYY = 000-063)
407	Area Code	X...X		100	Tenant Pattern No.00
(DCP)	Development	(DC)		}	}
	Pattern No.07			115	Tenant Pattern No.15
				(TNP)	(YYY = 100-115)
				200	Time Pattern No.00
				}	}
				207	Time Pattern No.07
				(RATDN)	(YYY = 200-207)
				300	Date Pattern No.00
				}	}
				303	Date Pattern No.03
				(RATND)	(YYY = 300-303)
				405	Area Code Develop-
				}	ment Pattern No.05
				}	}
				407	Area Code Develop-
				(DCP)	ment Pattern No.07
		X	Area Code	800	Intra-Office Termina-
		}	(Max. 5 digits)	}	tion
		X...X	Area Code	801	1-digit Intra-Office
		(IOFT)	(Max. 5 digits)	}	Station
			Including LCR Access	805	5-digit Intra-Office
			code assigned by		Station
			CM20 - A29		

BCD-4317705-0316-02

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

◀ : Initial Data

YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
410 (ACP)	Operator Call Code Development No.	X } XX X	Area Code (Max. 3 digits) Note 1	000 } 063	Route Pattern No. 00 } Route Pattern No. 63 (YYY = 000-063)
500 } 755 (LPN)	LCR/TR Pattern No.000 } LCR/TR Pattern No.255	000 (CP)	Designation of Trunk 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	6-digit TR Pattern No. 00 } 6-digit TR Pattern No. 49
		021 (RCA) } 028 (RCH)	6-digit Toll Restriction on Trunk Restriction Class 1 – 8.	0 1	Available ◀ Not available (to be designated by 1st Data "000")
		100 (ADCP)	Designation of Digit Addition Pattern No. (See YYY = 900-949)	00 } 49	Digit Addition Pattern No.00 } Digit Addition Pattern No.49
		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 ◀

BCD-4317705-0317-02

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

◀ : Initial Data

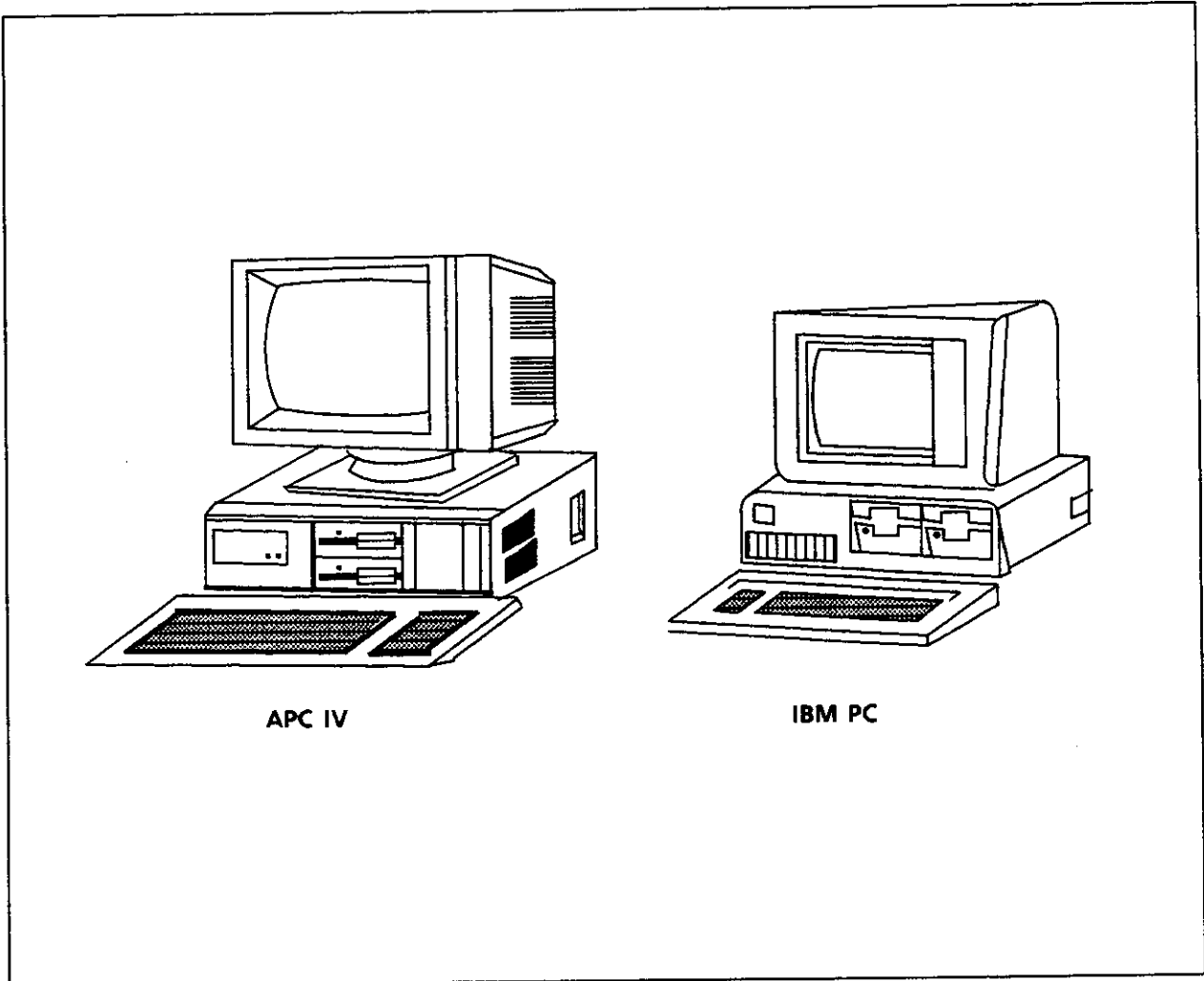
YYY		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
500 }	LCR/TR Pattern No. 000	151 (DELT=1)	Deletion of Area Code Note 2	0 1 ◀	To be deleted Not to be deleted
755 }	LCR/TR Pattern No. 255	153 (DELT=3) (ND)	Number of digits to be deleted from Area Code assigned with YYY=405-407	00 01 }	No digit deletion Leading 1-digit deletion
				08 CCC	Leading 8-digits deletion No digit deletion
800 }	6-digit TR/Prefix Pattern No. 00	XXX	Office Code (3 digits)	0 1 ◀	Restricted Allowed
849 (SAP) (PFT)	6-digit TR/Prefix Pattern No. 49			(RES) (PX)	
900 }	Digit Addition Pattern No. 00	0	Entry of digit code to be added	X XX }	Digits to be added (max. of 32 digits) X=0-9, A(*), B (#), C (Fixed Pause), D (Programmable Pause) - See CM41, Y=0, Function 38.
949 (ADCP)	Digit Addition Pattern No. 49			X...X (DC)	
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 3	5 } 7 (DCP)	Area Code Develop- ment Pattern No. 05 } Area Code Develop- ment Pattern No. 07

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Note 1: This data is effective only for an access code assigned with CM20-A26.

Note 2: The last three digits of the Area Code designated by YYY=405-407. If the Area Code is "INXX", use the last four digits.

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

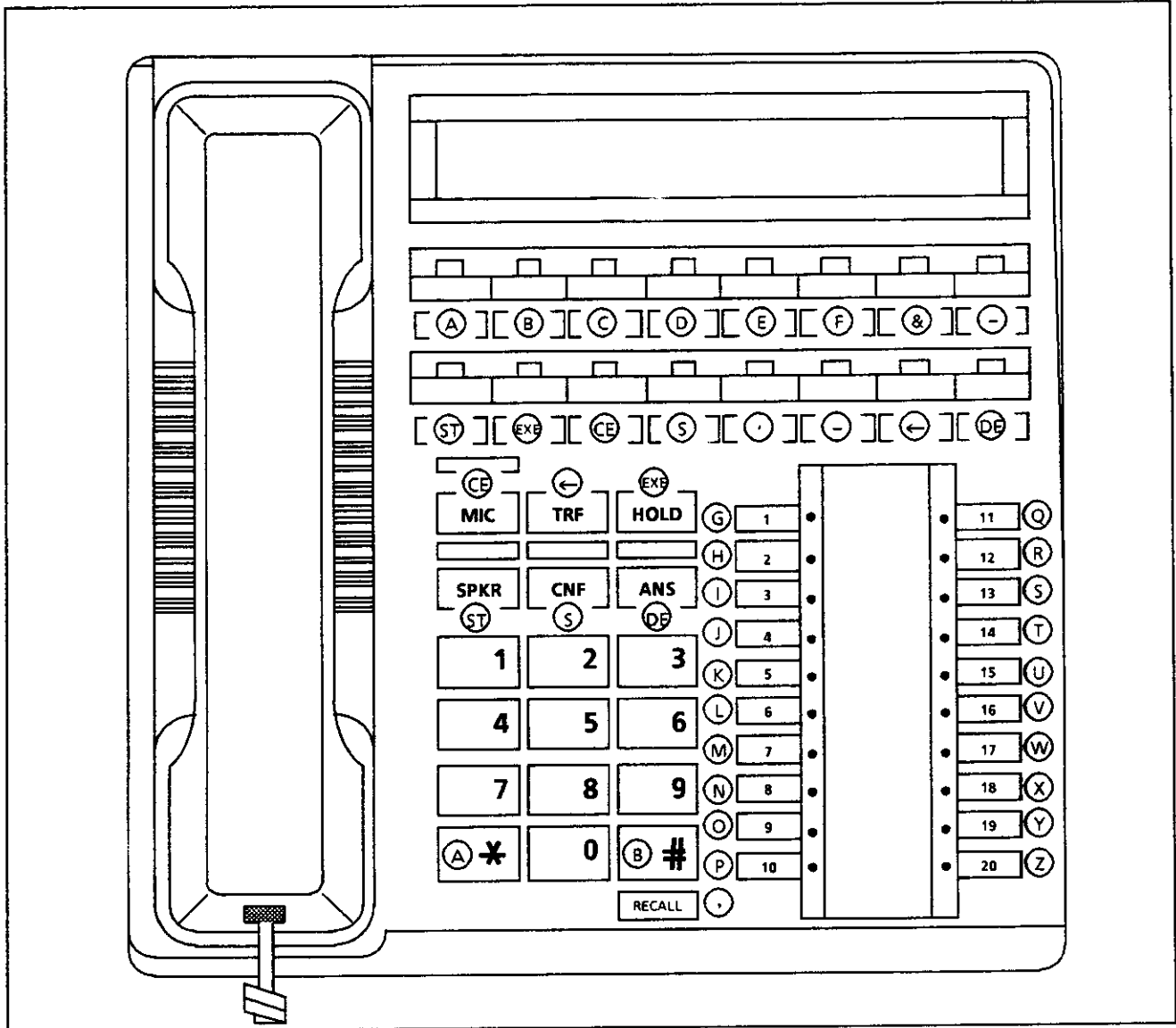


APC IV

IBM PC

BCD-4317705-0004-01

Figure 2-3 MAT (APC IV//IBM-PC)



BCD-4317705-0005-01

Figure 2-4 CAT Key Assignment for ETE-16D-2 TEL

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

1. FUNCTION:

This command is used to assign functions to programmable keys for Multiline Terminals, Add-On Modules, or SN610 ATTCOMs.

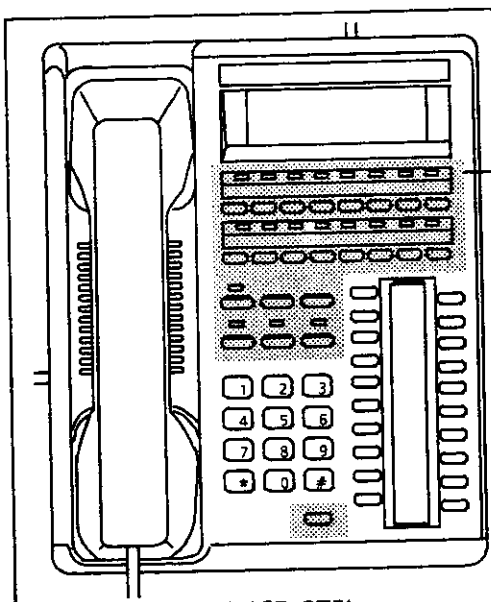
2. PRECAUTIONS:

- (1) The Primary Extension must always be assigned to a key on each Multiline Terminal or Add-On Module.
- (2) This command is included in MAT mode menu "A2" (Dterm Key [COM01]), "C3: (SN610 ATT key [COM03]) and "E10 (Add On Module keys [COM03]).
- (3) The data assignment for Add-On Modules, should be performed after the data assignment with CM98.
- (4) Do not assign data to Key "00" of a Dterm.

3. ASSIGNMENT PROCEDURE:

3.1 Multiline Terminal

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



Multiline Terminal Key Number

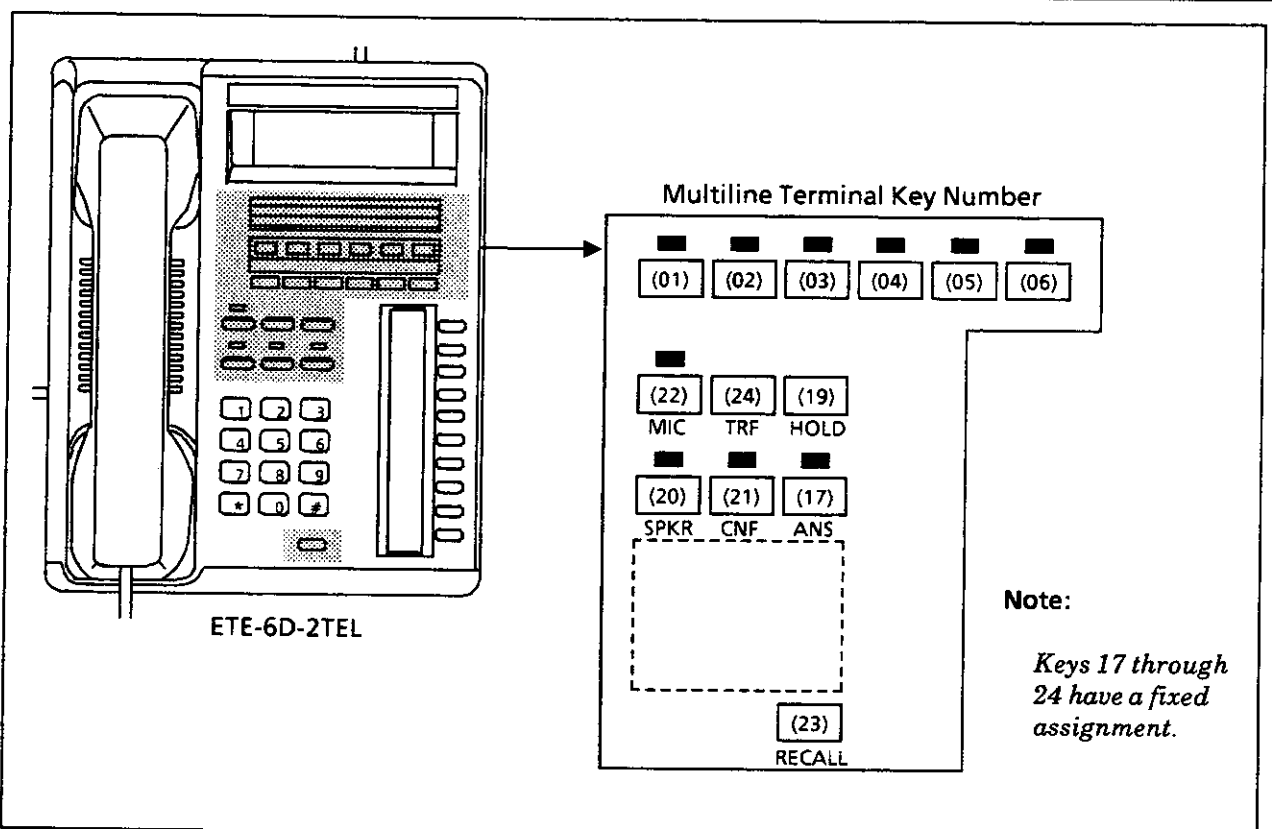
(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)
(09)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(22)	(24)	(19)					
MIC TRF HOLD							
(20)	(21)	(17)					
SPKR CNF ANS							
(23) RECALL							

Note:

Keys 17 through 24 have a fixed assignment.

BCD-4317705-0320-01

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



Note:

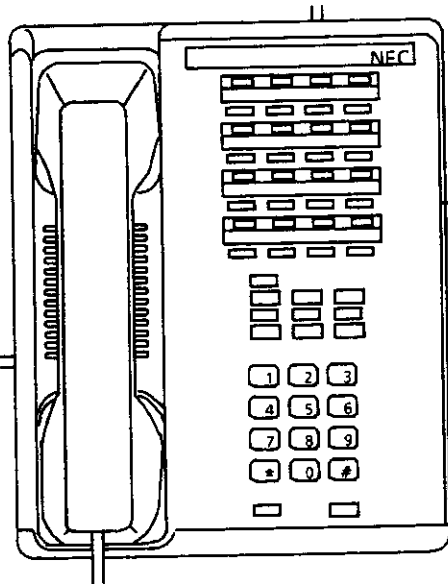
Keys 17 through 24 have a fixed assignment.

BCD-4317705-0321-01

COMMAND CODE

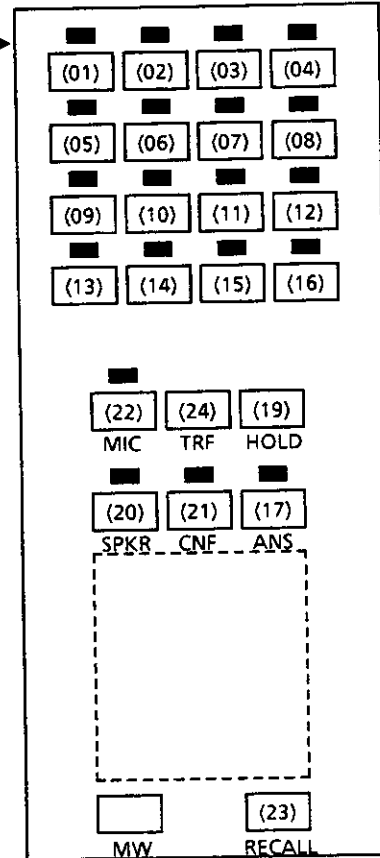
(MAT) 90

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



ETE-16-2TEL

Multiline Terminal Key Number



Note:

Keys 17 through 24 have a fixed assignment.

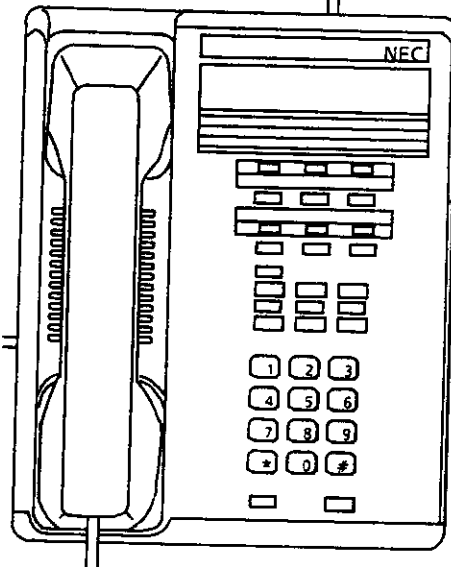
BCD-4317705-0322-01

COMMAND CODE

(MAT) 90

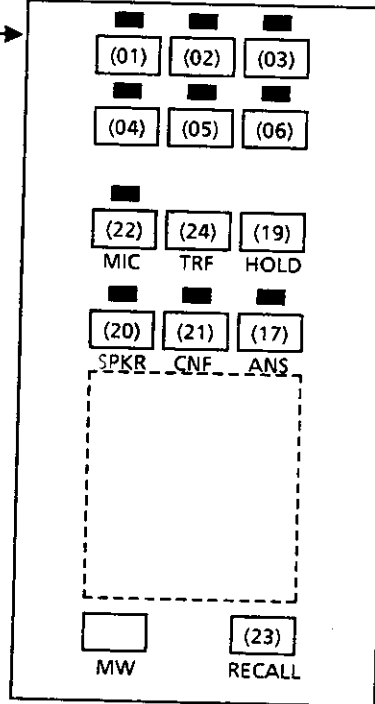
TITLE:

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



ETE-6-2TEL

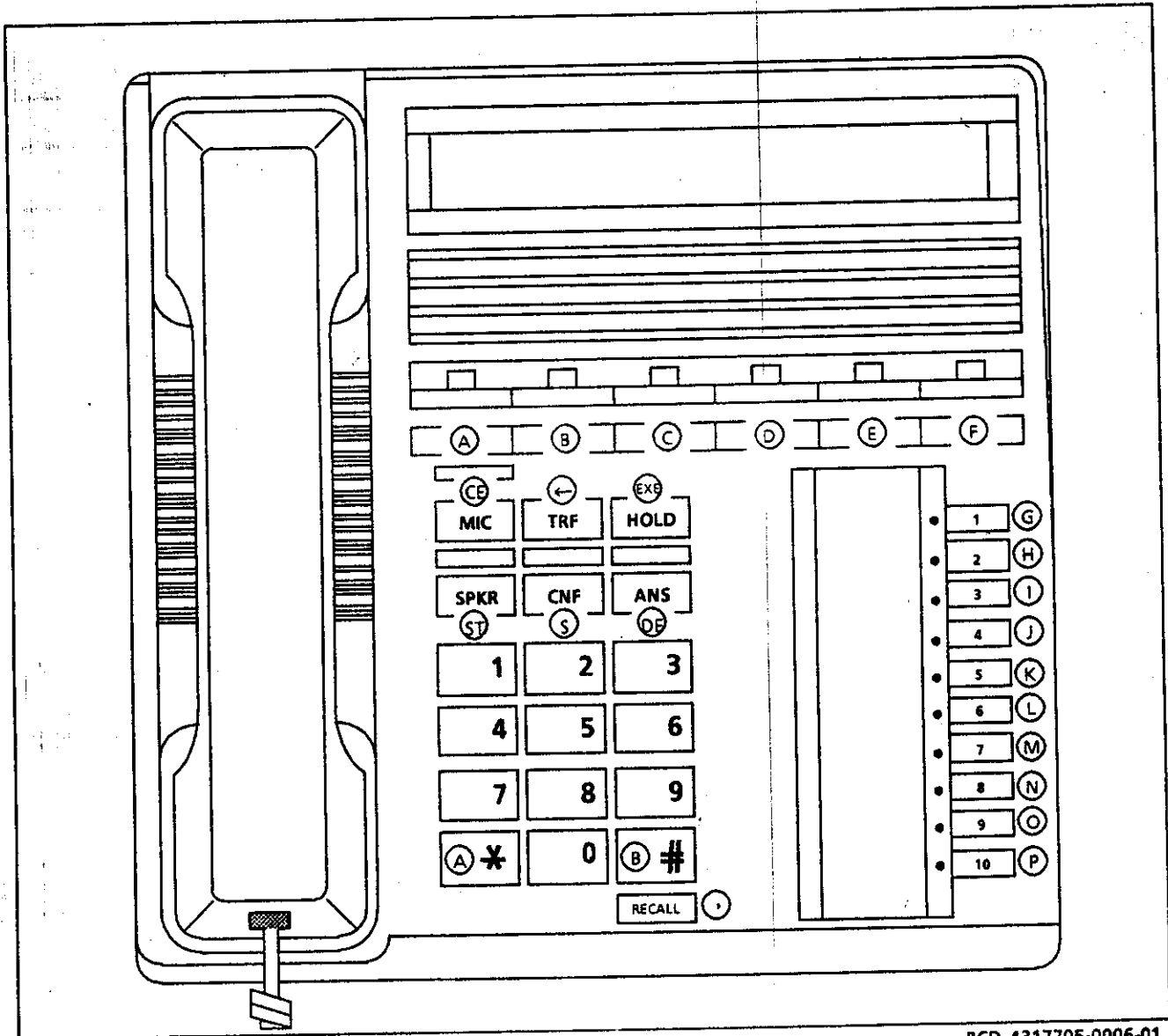
Multiline Terminal Key Number



Note:

Keys 17 through 24 have a fixed assignment.

BCD-4317705-0323-01



BCD-4317705-0006-01

Figure 2-5 CAT Key Assignment for ETE-6D-2 TEL

Table 2-1 Function Keys

FUNCTION KEY	MEANING
ST	Command entry start
EXE	Execution of data write
CE	Cancel of key operation
S	Display of next data
,	Separator ; to be entered between two different data as first/second data of CM72/74/90/97.
-	Display of previous data
←	Cancel of one character out of the entered data.
DE	Data End; to be entered at the end of the command code or at the end of each data entry.

BCD-4317705-0007-02

Table 2-2 Digit Keys

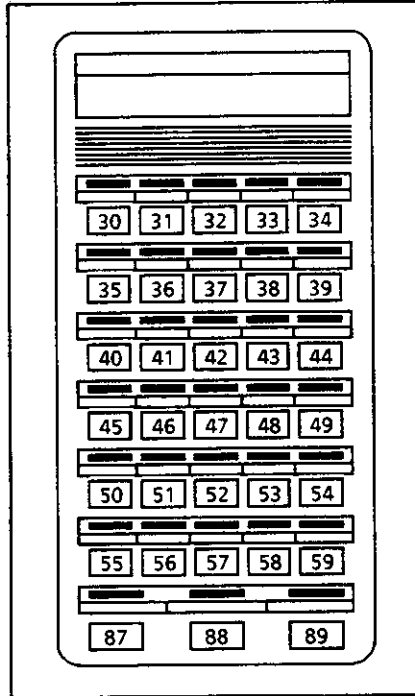
DIGIT KEY	MEANING
0-9, A-F	Data [data is entered in hexadecimal code (0-F)]
G-Z	Data (data is entered in character code)

BCD-4317705-0008-01

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

3.2 Add-On Module

ST + 90YY + DE + PRIMARY EXTENSION NUMBER (1 – 4 digits) + , + KEY NUMBER (30 – 59, 87 – 89) + DE + DATA (1 – 5 digits) + EXE

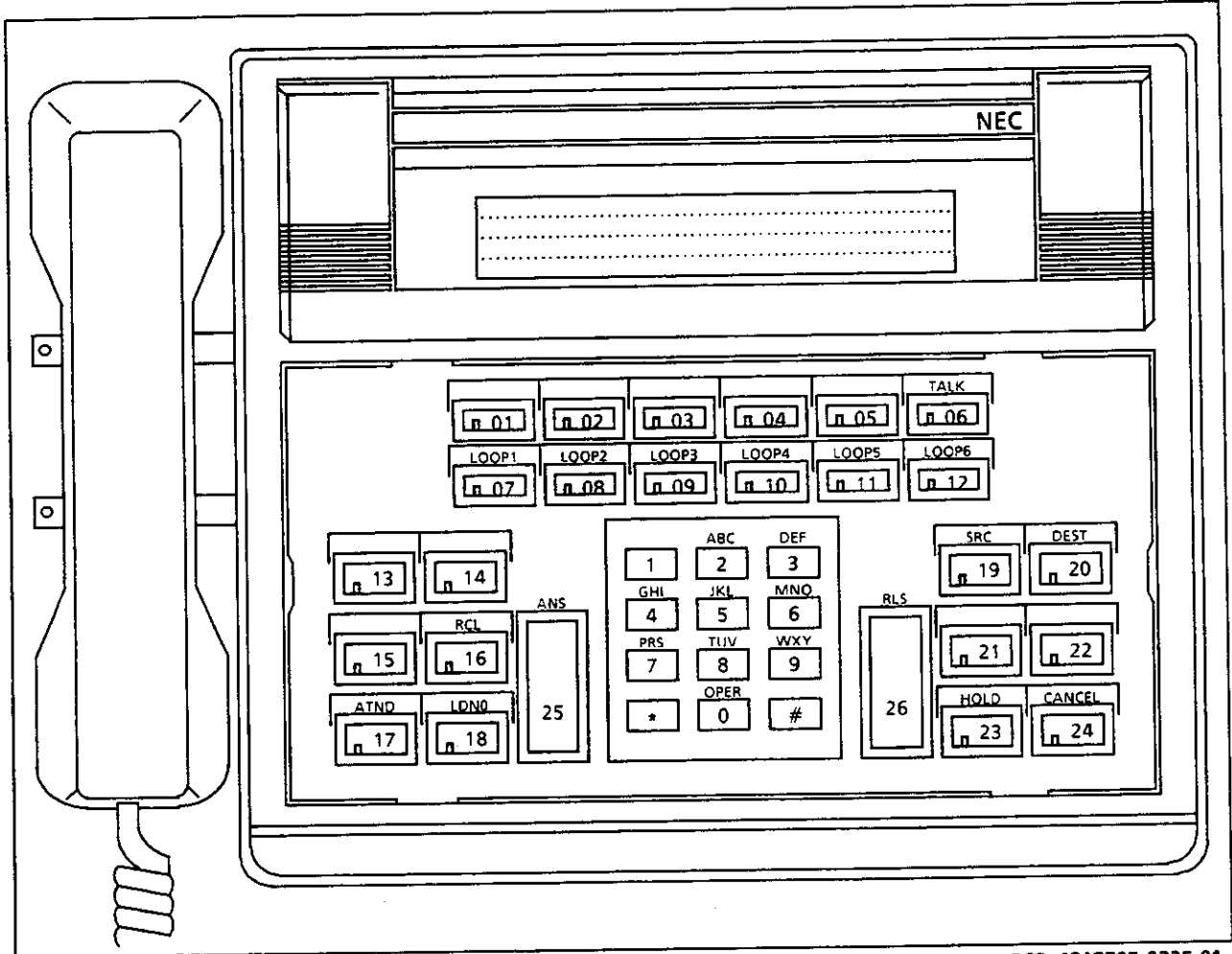


BCD-4317705-0324-01

ADD-ON Module Key Number

<p>COMMAND CODE</p> <p>(MAT) 90</p>	<p>TITLE:</p> <p>MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT</p>
<p>3.3 SN610 ATTCON</p>	
<p>(1) Call Selection/Function Key Assignment</p>	
<p> $\boxed{\text{ST}} + 9000 + \boxed{\text{DE}} + \text{ATTCON NUMBER (E000 - E007)} + \boxed{\text{,}} + \text{ATTCON KEY NUMBER (01 - 24)} + \boxed{\text{DE}} + \text{SETTING DATA (5 digits)} + \boxed{\text{EXE}}$ </p>	
<p>(2) Multi-Function Key Assignment</p>	
<p> $\boxed{\text{ST}} + 9000 + \boxed{\text{DE}} + \text{EXXX} + \boxed{\text{,}} + \text{MULTI-FUNCTION KEY NUMBER (01 - 24)} + \boxed{\text{DE}} + \text{SETTING DATA (5 digits)} + \boxed{\text{EXE}}$ </p> <p> </p>	
<p> 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 </p>	
<p> 05: } > } Not Used 15: } </p>	
<p><i>TRF</i> <i>CNF</i> <i>H</i> <i>FR</i> <i>CONF</i> <i>#</i> <i>ST</i></p>	

COMMAND CODE (MAT) 90	TITLE: MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT
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BCD-4317705-0325-01

SN610 ATTCON KEY NUMBER

Note 1: *The standard key arrangement with CM00, 07 (Memory Clear) or the Resident System Program automatically assign the functions of the keys as shown in the above figure.*

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/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT
(MAT) 90	

4. DATA TABLE:

4.1 Multiline Terminal

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (key data)	Setting of Functions	X } XXXX	Station Number • Primary Extension Number (FX – FXXXX) • Multi Line Number (Ordinary Station) • Multi Line Number (Virtual Line Station) X = 0 – 9, A (= *), B (= #)	CM10 CM10 CM11
		A000 } A031 A100 } A131	Automatic Intercom Number	CM11 CM56, YY = 10
		A200 } A700 A201 } A701 : A224 } A724	Manual Intercom Number	CM11 CM56, YY = 11
		B000 } B900 B001 } B901 : B024 } B924	Dial Intercom Number	CM11 CM56, YY = 12

BCD-4317705-0326-02

COMMAND CODE		TITLE:		
(MAT) 90		MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT		
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
00 (key data)	Setting of Functions	AA01 } AA05 AA11 } AA15 AA71 } AA75	Loop Line Number for Multiline Terminal Attendant Position AAXX ├── Loop Number (1-5) └── Attendant Position Number (0-7)	CM11; CM15, YY=71; CM12, YY=03
		AB00 } AB99	ICI/OPR Line Number for Multiline Terminal Attendant Position	CM11; CM15, YY=73; CM12, YY=03
		CX } CXXX	Virtual-Line Station No. for Off-Hook Voice Announcement	CM11
		DXXX	Trunk Number (XXX=000~255)	CM10; CM30, YY=02, 03, 18
		FOXXX	XXX 004: Trunk Queuing-OG/ 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 (FDSD) 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

BCD-4317705-0327-04

COMMAND CODE		TITLE:		
(MAT) 90		MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT		
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
00 (key data)	Setting of Functions	F0XXX	<u>XXX</u> 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 predetermined Station Single Wake Up time operation) (SWU) 028: Wake Up Call set from predetermined station (Multiple Wake Up time Operation) (MWU) 033: Monitor Note 1 040: 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 (C HLD) 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) 069: Last Number Redial (LAST) 085: Account Code (ACC)	CM16 CM15, YY = 14 CM15, YY = 19 CM15, YY = 13 CM15, YY = 20 CM15, YY = 21 CM08-259; CM15, YY = 103, 104 CM15, YY = 24 CM15, YY = 40 CM08-244, 245; CM15, YY = 60 CM53 CM08-177, 178 CM15, YY = 30
		F1XX	<u>XXX</u> 001: Save & Repeat 1 (S&R1) 002: Voice Call (VOICE) 004: Hooking ◀ TRF (TRF) 005: Message Waiting Lamp / Message Reminder (MW/MR)	CM13, YY = 03; CM15, YY = 47, 48

BCD-4317705-0328-05

COMMAND CODE		TITLE:		
(MAT) 90		MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCOM KEY ASSIGNMENT		
				◀:Initial Data
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
00 (key data)	Setting of Functions	F1XXX Exclusive/Non-Exclusive Hold	<u>XXX</u> (continued) 008: DTMF Additional Dial (Fixed Width) (PBAD) 009: Hooking Signal sent to outside (SHF) 010: ◀ HOLD (HOLD) 012: ◀ CNF (CNF) 013: Save & Repeat 2 (S&R2) 014: Save & Repeat 3 (S&R3) 015: ◀ RECALL (RECAL) 016: ◀ SPKR (SPKR) 017: ◀ MIC (MIC) 020: Release key (RLS) 064: Do not Disturb (H DND) 065: Room Cut Off (H RC) 066: Message Waiting (H MW) 067: Wake Up (H WU) 068: Check-In (CK-IN) 069: Room Status (R STS) 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 (H RLS) 080: Do Not Disturb Override (DND OV)	CM35, YY = 26 CM35, YY = 16; CM41, Y = 2, Function 17 CM15, YY = 01, 64 CM15, YY = 70 For Hotel/Motel Front Desk Instrument CM15, YY = 62

BCD-4317705-0329-04

COMMAND CODE		TITLE:		
(MAT) 90		MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT		
YY		SETTING DATA		◀:Initial Data
No.	MEANING	DATA	MEANING	RELATED COMMANDS
00 (key data)	Setting of Functions	F11XX	<u>XX</u> 00: Station Speed Dialing 00 (SPD 00) } 99: Station Speed Dialing 99 (SPD 99)	CM73; CM74; CM15, YY = 07
		F12XX	<u>XX</u> 01: Trunk Group 01 } Busy Lamp (TGB 01) } 62: Trunk Group 62 } Busy Lamp (TGB62) } 70: Internal Zone } Paging Group 0 (PG0) } 77: Internal Zone } Paging Group 7 (PG7) } 78: All Zone Internal Paging (AZP) } 80: ACD/UCD Group 00 (UCD00) } 95: ACD/UCD Group 15 (UCD15)	CM30, YY = 09 CM56, YY-00-07 CM15, YY = 49 CM08-158; CM56, YY-00-05 CM15, YY = 49 CM17, Y = 2
		F3XXX	Call Park - Tenant (CP001-638) <u>XX X</u> └ Serial Key Number (1-8) └ Group Number (00-63)	CM08-133 CM08-254
		F40XX	<u>XX</u> 00: Answer key } Tenant 00 (ANS00) ◀ ANS } 63: Answer key } Tenant 63 (ANS63) Note 2	CM30, YY = 00,02,03; CM12, YY = 04

BCD-4317705-0330-05

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

◀ :Initial Data

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
00 (key data)	Setting of Functions	F41XX	<u>XX</u> 00: Pooled Line Number 00 Tenant 00/TRK Route 00 (POL00) 63: Pooled Line Number 63 Tenant 63/TRK Route 63 (POL63)	CM30, YY = 00, 01, 02, 03
		F5000	Call Park-System (CP SY)	CM 15, YY = 96
		F2XXX	<u>XXX</u> 000: DATA (DATA) 001: AUTO/DISP (A/D) 002: DTX (DTX) 003: DISP (DISP) 004: AUTO (AUTO) 005: DATA DND (D DND)	CM1A CMA1, YY = 01 CMA1, YY = 01
		F7XXX	<u>XXX</u> └─ Circuit No. (0-3) assigned in CM44 └─ Card No. (00-31) assigned in CM44	CM 44-XXX- 1500
01 (RG)	Tone Ringer enabled on call termination	0 1 ◀	Disabled Enabled	
03 (RG)	Ringer sending method when terminating a call to Line/Trunk key on the Multiline Terminal	0 1 ◀	Delayed Ringing No Delayed Ringing Note 3	CM41, Y = 1, Function 09

BCD-4317705-0331-03

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: By depressing key, either the incoming call on , button or TAS (designated Tenant) can be answered. If the Answer Hold function (answering while talking with another party) is added to key, assign CM15, YY = 72 as "0".

Note 3: Delayed Ringing may be assigned to the first 16 Line/Trunk keys (Key Nos. 01-16).

COMMAND CODE		TITLE:			
MAT 90		MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT			
4.2 Add-On Module					◀ :Initial Data
YY		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00 (Key Data)	Setting of Functions	30 { 54	X } XXXX (STA No.)	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; CM56, YY = 10
			A200 } A700 A201 } A701 : A224 } A724	Manual Intercom Number	CM11; CM56, YY = 11
			B000 } B900 B001 } B901 : B024 } B924	Dial Intercom Number	CM11; CM56, YY = 12
			DXXX (T R K No.)	Trunk Number (XXX = 000 - 255)	CM10; C M 3 0 , YY = 18
			30 { 59 87 { 89	F11XX (SPD00- 99)	XX ┌ └ 00: Station Speed Dialing 00 ┌ └ 99: Station Speed Dialing 99	CM73; CM74

BCD-4317705-0332-02

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

4.2 Add-On Module ◀ :Initial Data

YY		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00	Setting of Functions	87 { 89	F0043 (D/N)	Day/Night Key Note 1	
01 (RG)	Tone Ringer enabled on call termination	30 { 54	0 1 ◀	Disabled Enabled	
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 2	C M 4 1 , Y=1, Function 09

BCD-4317705-0439-02

Note 1: Any one of key numbers 87 through 89 can be used for the Day/Night key.

Note 2: Delayed Ringing may be assigned to the first 16 Line/Trunk keys (Key Nos. 30 through 45).

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

4.3 SN610 ATTCON

- ATTCON Call Selection Key (ICI Key)

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

BCD-4317705-0333-03

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

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6056	Emergency Call (EMGC)			CM20-094
		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

BCD-4317705-0334-02

Note: *The ATTCON Call Selection Key data (F60XX) should not be assigned to Key numbers 1 to 6.*

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

• ATTCON Function Keys

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00 (key data)	Setting of Functions	F6100	Room Cut Off (RC)		For Hotel / Motel 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, Centrex) (SHF)			CM35, YY = 16, 86; CM41, Y = 2, Function 17
		F6107	Busy Verification (BV)		Attendant Override	CM08-012; CM15, YY = 09
		F6108	Do Not Disturb Override (DNDOV)		For Hotel / Motel	
		F6109	Wake Up (WU)		ATTCON Note	
		F6110	Mode (MODE)		Day/Night mode change, ATT lockout	
		F6111	Programming (PROG)		DISA, System Speed Dialing, Date and Time and tone ringer	
		F6112	Out pulse (PB signal) Short			CM35, YY = 26
		F6113	Out pulse (PB signal) Long			CM41, Y = 0, Function 14

BCD-4317705-0335-02

Note: The ANSWER key can be used as the SET key for Hotel/Motel features.

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

• ATTCON Function Keys

YY		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00 (key data)	Setting of Functions	F6200	Source (SRC)	SRC		
		F6201	Destination (DEST)	DEST		
		F6202	Cancel (CNL)	CANCEL		
		F6203	Talk (TALK) Disturb	TALK		
		F6204	Hold (HOLD)	HOLD		
		F6205	Start (START)			
		F6240	Loop 1 (LOOP1)	LOOP1		
		}	}	}		
		F6245	Loop 6 (LOOP6)	LOOP6		
		F1201	Lamp indication when all the trunks in Trunk Group 0 are busy (TGB01)			Maximum of six (6) keys per ATTCON Note	CM30, YY=09
F1262	Lamp indication when all the trunks in Trunk Group 62 are busy (TGB62)					
F7XXX	<p>XXX</p> <p>└── Circuit number (0-3) assigned with CM44</p> <p>└── Card number (00-31) assigned with CM44</p>			Relay Control Function Key	CM44-XXX-1500	

BCD-4317705-0442-02

Note: This data should not be assigned to key numbers 1 through 6.

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

• Multi- Function Keys

YY No.	ATTCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS	RELATED COMMAND	
00	00 (Idle State) Note 2 Note 3	Idle State	F6100	Room Cut Off (RC)			
			F6102	Do Not Disturb (DND)			
			F6104	Reset (RESET)			
			F6110	Mode			
			F6111	Programming	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 17
			F6112	Out pulse (PB signal) Short			CM35, YY = 26
			F6113	Out pulse (PB signal) Long			CM41, Y = 0 Function 14
			F6203	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			
	04 (Hotel/Motel)	When accessing Hotel/Motel features	F6100	Room Cut Off (RC)		For Hotel/Motel ATTCON Note 1	
			F6101	Message Waiting (MW)			
			F6102	Do Not Disturb (DND)			
F6109			Wake Up				
		F6104	Reset				

BCD-4317705-0337-01

Note 1: The ANSWER key can be used as the SET key for Hotel/Motel features.

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

Note 3: When setting or canceling a group of stations in DND/RC, ATTCON Status No. 00 should be used.

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

COMMAND CODE	TITLE:																
(MAT) 90	MULTILINE TERMINAL/ADD-ON MODULE/SN610 ATTCON KEY ASSIGNMENT																
<p>Note 5: If no data is set, the Multi-Function keys are automatically set by initial data/Resident System Program as shown below:</p>																	
<ul style="list-style-type: none"> • Idle state 																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">PA</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">12:23 AM TUE 12</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">LOCKOUT/DAY</td> <td></td> <td></td> </tr> </table>				PA		12:23 AM TUE 12						LOCKOUT/DAY			<p>MODE: Mode PROG : Programming</p>		
	PA		12:23 AM TUE 12														
			LOCKOUT/DAY														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">MODE</td> <td style="width: 15%;">PROG</td> <td colspan="4"></td> </tr> </table>			MODE	PROG													
MODE	PROG																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">01</td> <td style="width: 15%; text-align: center;">02</td> <td style="width: 15%; text-align: center;">03</td> <td style="width: 15%; text-align: center;">04</td> <td style="width: 15%; text-align: center;">05</td> <td style="width: 15%; text-align: center;">06</td> </tr> </table>			01	02	03	04	05	06									
01	02	03	04	05	06												
<ul style="list-style-type: none"> • When answering or originating 																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">252</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">12:23 AM TUE 12</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">ANN</td> <td></td> <td style="text-align: center;">LOCKOUT/DAY</td> <td></td> <td></td> </tr> </table>				252		12:23 AM TUE 12				ANN		LOCKOUT/DAY			<p>SPB: Out Pulse Short LPB: Out Pulse Long SHF: Flash Over Trunk SC: Serial Call Set Talk:Talk</p>		
	252		12:23 AM TUE 12														
	ANN		LOCKOUT/DAY														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">SPB</td> <td style="width: 15%;">LPB</td> <td style="width: 15%;">SHF</td> <td style="width: 15%;">SC</td> <td style="width: 15%;">TALK</td> <td></td> </tr> </table>			SPB	LPB	SHF	SC	TALK										
SPB	LPB	SHF	SC	TALK													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">01</td> <td style="width: 15%; text-align: center;">02</td> <td style="width: 15%; text-align: center;">03</td> <td style="width: 15%; text-align: center;">04</td> <td style="width: 15%; text-align: center;">05</td> <td style="width: 15%; text-align: center;">06</td> </tr> </table>			01	02	03	04	05	06									
01	02	03	04	05	06												
<ul style="list-style-type: none"> • When the called station is busy 																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">BSY</td> <td style="width: 10%; text-align: center;">252</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">12:23 AM TUE 12</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">LOCKOUT/DAY</td> <td></td> <td></td> </tr> </table>			BSY	252		12:23 AM TUE 12						LOCKOUT/DAY			<p>B.V: Busy Verification</p>		
BSY	252		12:23 AM TUE 12														
			LOCKOUT/DAY														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: right;">B.V</td> <td></td> </tr> </table>							B.V										
				B.V													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">01</td> <td style="width: 15%; text-align: center;">02</td> <td style="width: 15%; text-align: center;">03</td> <td style="width: 15%; text-align: center;">04</td> <td style="width: 15%; text-align: center;">05</td> <td style="width: 15%; text-align: center;">06</td> </tr> </table>			01	02	03	04	05	06									
01	02	03	04	05	06												
<ul style="list-style-type: none"> • When the called station is in DND 																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">DND</td> <td style="width: 10%; text-align: center;">252</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">12:23 AM TUE 12</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">ANN</td> <td></td> <td style="text-align: center;">LOCKOUT/DAY</td> <td></td> <td></td> </tr> </table>			DND	252		12:23 AM TUE 12				ANN		LOCKOUT/DAY			<p>DDOVR: Do Not Disturb Override</p>		
DND	252		12:23 AM TUE 12														
	ANN		LOCKOUT/DAY														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: right;">DDOVR</td> <td></td> </tr> </table>							DDOVR										
				DDOVR													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">01</td> <td style="width: 15%; text-align: center;">02</td> <td style="width: 15%; text-align: center;">03</td> <td style="width: 15%; text-align: center;">04</td> <td style="width: 15%; text-align: center;">05</td> <td style="width: 15%; text-align: center;">06</td> </tr> </table>			01	02	03	04	05	06									
01	02	03	04	05	06												
<ul style="list-style-type: none"> • When accessing Hotel/Motel feature 																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">252</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">12:23 AM TUE 12</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">LOCKOUT/DAY</td> <td></td> <td></td> </tr> </table>				252		12:23 AM TUE 12						LOCKOUT/DAY			<p>RC: Room Cut Off MW: Message Waiting DD: Do Not Disturb WU: Wake Up RESET: Reset</p>		
	252		12:23 AM TUE 12														
			LOCKOUT/DAY														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">RC</td> <td style="width: 15%;">MW</td> <td style="width: 15%;">DD</td> <td style="width: 15%;">WU</td> <td style="width: 15%;">RESET</td> <td></td> </tr> </table>			RC	MW	DD	WU	RESET										
RC	MW	DD	WU	RESET													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">01</td> <td style="width: 15%; text-align: center;">02</td> <td style="width: 15%; text-align: center;">03</td> <td style="width: 15%; text-align: center;">04</td> <td style="width: 15%; text-align: center;">05</td> <td style="width: 15%; text-align: center;">06</td> </tr> </table>			01	02	03	04	05	06									
01	02	03	04	05	06												

CM90 (22/ 26) MULTILINE TERMINAL

Note: If space is insufficient, use copies.

◀: Initial Data

(MAT)		CM90														
KEY NUMBER	PRIMARY EXTENSION NUMBER	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	
		00 (Key data)	01 (RG)	03	00 (Key data)	01 (RG)	03	00 (Key data)	01 (RG)	03	00 (Key data)	01 (RG)	03	00 (Key data)	01 (RG)	03
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

BCD-4317705-0338-02

COMMAND 90: ST + 90YY + DE + PRIMARY
EXTENSION NUMBER (1 - 4 digits) + , + MULTILINE +
TERMINAL KEY NUMBER (01 - 16) + DE

+ DATA + EXE
(1 - 5 digits)

ADD-ON MODULE

Note: *If space is insufficient, use copies.*

◀: Initial Data

(MAT)		CM90														
KEY NUMBER	PRIMARY EXTENSION NUMBER	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =	YY =
		00	01	03	00	01	03	00	01	03	00	01	03	00	01	03
30																
31																
32																
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
46																

BCD-4317705-0339-02

COMMAND 90: ST + 90YY + DE + PRIMARY EXTENSION NUMBER (1-4 digits) + , + ADD-ON MODULE KEY NUMBER (30-59, 87-89) + DE

+ DATA + EXE
(1-5 digits)

**CM90 (24/26)
ADD-ON MODULE**

Note: If space is insufficient, use copies.

◀ : Initial Data

(MAT)		CM90														
KEY NUMBER	PRIMARY EXTENSION NUMBER															
	YY = 00	YY = 01	YY = 03	YY = 00	YY = 01	YY = 03	YY = 00	YY = 01	YY = 03	YY = 00	YY = 01	YY = 03	YY = 00	YY = 01	YY = 03	
47																
48																
49																
50																
51																
52																
53																
54																
55																
56																
57																
58																
59																
87																
88																
89																
		1	1		1	1		1	1		1	1		1	1	

BCD-4317705-0340-02

COMMAND 90: [ST] + 90YY + [DE] + PRIMARY EXTENSION NUMBER (1-4 digits) + [,] + ADD-ON MODULE KEY NUMBER (30-59, 87-89) + [DE]

+ DATA + [EXE]
(1-5 digits)

SN610 ATTCON

Note: *If space is insufficient, use copies.*

(MAT)		CM90, YY = 00			
KEY NO	ATTCON NUMBER				
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					

BCD-4317705-0341-02

COMMAND 90: ST + 90YY + DE + SN610 ATTCON + , + SN610 ATTCON +
 NUMBER KEY NUMBER
 (E000 – E007) (01 – 24)

+ DATA + EXE
 (4 digits)

CM90 (26/26)

SN610 ATTCON

Note: *If space is insufficient, use copies.*

(MAT) CM90, YY = 00					
MULTI-FUNCTION KEY No.	CALL STATUS No. (00-15) + ATTCON No. (0-7)				
	01				
02					
03					
04					
05					
06					

BCD-4317705-0342-02

(MAT) CM90, YY = 00					
MULTI-FUNCTION KEY No.	CALL STATUS No. (00-15) + ATTCON No. (0-7)				
	01				
02					
03					
04					
05					
06					

BCD-4317705-0343-02

COMMAND 90: +9000+ + EXXX + + MULTI-FUNCTION KEY NUMBER (01-06)

+ SETTING +
DATA
(1-5 digits)

COMMAND CODE	TITLE:
MAT 93	PRIME LINE

1. FUNCTION:

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

2. PRECAUTIONS:

This command is included in MAT mode menu "A2" (Dterm Key (COM01)).

3. ASSIGNMENT PROCEDURE:

+93+ + PRIMARY EXTENSION NUMBER (1-4 digits) + + STATION NUMBER (1-4 digits) / TRUNK NUMBER (4 digits) +

4. DATA TABLE:

PRIMARY EXTENSION NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
X } XXXX	X } XXXX	Primary Extension Number/ Virtual Line Number Note 1	CM10,CM11
	D000 } D255	Trunk Number	CM30,YY = 02,03,18

BCD-4317705-0344-02

Note 1: A Primary Extension number or Virtual Line number can be assigned to the Prime Line. However, the data station cannot be assigned to the Prime Line. A single-line telephone cannot be assigned as the Prime Line.

Note 2: The job specification for this command follows the explanation of Command 94.

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

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. PRECAUTIONS:

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:

PRIMARY EXTENSION NUMBER	SETTING DATA			
	DATA	MEANING		
X } XXXX	XXXXXX	X	XX	X XX
				Quantity of 10-Slot Memory Blocks (01/02) 01: ETE-6D-2 TEL(10 numbers) 02: ETE-16D-2 TEL(20 numbers)
				Facility for programming the dialed number from the station (0/1 = Effective/Ineffective)
				First 10-Slot Memory Block (00-99)
				The 1000-Slot Memory Block number (0-4) Note

BCD-4317705-0345-03

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

Note: If space is insufficient, use copies.

(MAT) CM93		(MAT) CM94	(MAT) CM93		(MAT) CM94
PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)	STATION/TRUNK NUMBER (1 - 4 DIGITS)	SETTING DATA (6 DIGITS)	PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)	STATION/TRUNK NUMBER (1 - 4 DIGITS)	SETTING DATA (6 DIGITS)

BCD-4317705-0346-01

BCD-4317705-0346-01

COMMAND 93: **[ST]** + 93 + **[DE]** + PRIMARY EXTENSION NUMBER (1 - 4 digits) + **[DE]** + STATION/TRUNK NUMBER (1 - 4 digits) + **[EXE]**

COMMAND 94: **[ST]** + 94 + **[DE]** + PRIMARY EXTENSION NUMBER (1 - 4 digits) + **[DE]** + SETTING DATA (6 digits) + **[EXE]**

COMMAND CODE	TITLE:
MAT 96	DSS CONSOLE NUMBER

1. FUNCTION:

This command is used to assign a station, Multiline Terminal or HA-610Z/SN610 ATTCON to work in conjunction with a DSS Console.

2. PRECAUTIONS:

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	X } XXXX	Single-Line Telephone Station Number or Primary Extension Number of Multiline Terminal	CM10 CM97
See CM10,E100-E131	E000 } E007	HA-610Z/SN610 Attendant Console Number	HA-610Z: CM06, YY=01; SN610: CM10, E000-E007

BCD-4317705-0347-01

MAT		CM96	
DSS CONSOLE NUMBER	SETTING DATA (1 - 4 DIGITS)	DSS CONSOLE NUMBER	SETTING DATA (1 - 4 DIGITS)
00		16	
01		17	
02		18	
03		19	
04		20	
05		21	
06		22	
07		23	
08		24	
09		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	

BCD-4317705-0348-01

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

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

1. FUNCTION:

This command is used to assign station and trunk numbers to the keys on each DSS Console.

2. PRECAUTIONS:

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

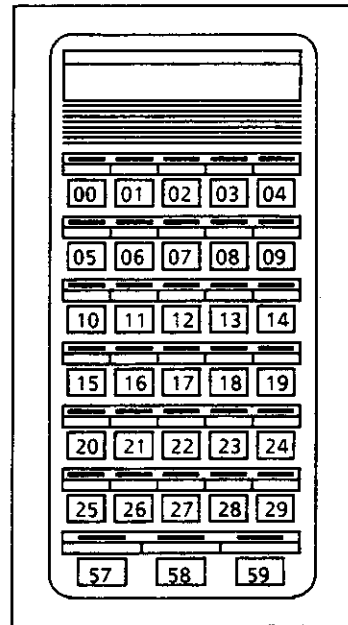
3. ASSIGNMENT PROCEDURE:

[ST] + 97 + **[DE]** + **DSS CONSOLE NUMBER** (2 digits) + **,** + **DSS KEY NUMBER** (2 digits) + **[DE]** + **DATA** (1 – 5 digits) + **[EXE]**

4. DATA TABLE:

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00 } 31 (S e e CM10, E 1 0 0 - E131)	00 }	X } XXXX	Station Number	CM 10; CM 11
	29	X } XXXX	Data Station Number	CM 1A
	57 }	D000 } D255	Trunk Number	CM 10; CM 30, YY = 02,03,18
	59 Note			
	00 }				F0043	Night Key (NIGHT)	C M 0 8 - 244,245; CM15, YY=60
	29	57 }	F1048	Room Cut-off Set/Reset (RCOF)	CM 1A
59				

BCD-4317705-0349-03



BCD-4317705-0350-02

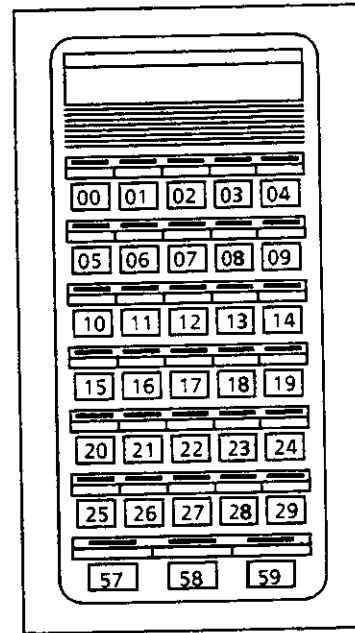
DSS Console Key Number

Note: Keys 57–59 may not be used for stations which may set/reset "Room Cut Off", "Message Waiting", "Check In/Out", or "Do Not Disturb", because these LEDs do not have two display colors (for set and reset).

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

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00 } 31	00 } 29	F1049	Message Waiting Set/Reset (MSGW)	
(S e e CM10, E 1 0 0 - E131)	57 } 59	F1051	Check-In/Check-Out (CK-IN)	
		F1053	Do Not Disturb Set/Reset (DND)	

BCD-4317705-0349-03



BCD-4317705-0350-02

DSS Console Key Number

CM97 (3/3)

Note: If space is insufficient, use copies.

MAT CM97		
DSS CONSOLE NUMBER (2 DIGITS)	DSS KEY NUMBER (2 DIGITS)	SETTING DATA (1 - 5 DIGITS)
	00	
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	09	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	57	
	58	
	59	

BCD-4317705-0351-01

MAT CM97		
DSS CONSOLE NUMBER (2 DIGITS)	DSS KEY NUMBER (2 DIGITS)	SETTING DATA (1 - 5 DIGITS)
	00	
	01	
	02	
	03	
	04	
	05	
	06	
	07	
	09	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	57	
	58	
	59	

BCD-4317705-0351-01

COMMAND 97: **ST** +97+ **DE** + DSS CONSOLE + **,** + DSS KEY + **DE**
 NUMBER (2 digits) NUMBER (2 digits)
 +SETTING DATA+ **EXE**
 (1 - 5 digits)

COMMAND CODE	TITLE:											
(MAT) 98	ADD-ON MODULE NUMBER											
1. FUNCTION:												
This command is used to assign the primary extension number of a Multiline Terminal to an Add-On Module.												
2. PRECAUTIONS:												
<ol style="list-style-type: none"> (1) Only one Add-On Module can be assigned to each Multiline Terminal. (2) The Add-On Module and its associated station must be in the same PIM (controlled by the same FP). (3) This command is included in MAT mode menu "E10" [Add On Module keys (COM03)]. (4) This data assignment must be performed before the data assignment of CM90. 												
3. ASSIGNMENT PROCEDURE:												
<table style="margin: auto; border: none;"> <tr> <td style="border: 1px solid black; padding: 2px 5px;">ST</td> <td style="padding: 0 5px;">+ 98Y +</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">ADD-ON MODULE NUMBER (00 - 31)</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">DE</td> <td style="padding: 0 5px;">+</td> <td style="padding: 0 5px;">PRIMARY EXTENSION NUMBER (1 - 4 digits)</td> <td style="padding: 0 5px;">+</td> <td style="border: 1px solid black; padding: 2px 5px;">EXE</td> </tr> </table>		ST	+ 98Y +	DE	+	ADD-ON MODULE NUMBER (00 - 31)	+	DE	+	PRIMARY EXTENSION NUMBER (1 - 4 digits)	+	EXE
ST	+ 98Y +	DE	+	ADD-ON MODULE NUMBER (00 - 31)	+	DE	+	PRIMARY EXTENSION NUMBER (1 - 4 digits)	+	EXE		
4. DATA TABLE:												
<table border="1" style="margin: auto; border-collapse: collapse; width: 80%;"> <thead> <tr> <th style="padding: 5px;">Y</th> <th style="padding: 5px;">ADD-ON MODULE NUMBER</th> <th style="padding: 5px;">PRIMARY EXTENSION NUMBER</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">0</td> <td style="text-align: center; padding: 5px;">00 } 31</td> <td style="text-align: center; padding: 5px;">X } XXXX</td> </tr> <tr> <td colspan="3" style="text-align: center; padding: 5px;">Note</td> </tr> </tbody> </table> <p style="text-align: right; margin-top: 5px; font-size: small;">BCD-4317705-0352-01</p>		Y	ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER	0	00 } 31	X } XXXX	Note				
Y	ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER										
0	00 } 31	X } XXXX										
Note												
<p style="text-align: center;">Note: Refer to CM10, EC00-EC31.</p>												

(MAT)		CM98	
ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)	ADD-ON MODULE NUMBER	PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)
00		16	
01		17	
02		18	
03		19	
04		20	
05		21	
06		22	
07		23	
08		24	
09		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	

BCD-4317705-0353-01

COMMAND 98: ST +98Y+ DE +ADD-ON+ DE + PRIMARY + EXE
 MODULE
 NUMBER
 (00 - 31) EXTENSION
 NUMBER
 (1 - 4 digits)

COMMAND CODE	TITLE:
(MAT) A0	TYPE OF DATA ADAPTER

1. FUNCTION:

This command is used to specify the type of Data Adapter used for accommodating a Data Terminal to the data station.

2. PRECAUTIONS:

This command is included in MAT mode menu "E5" [Data Station Attribute (COM02)].

3. ASSIGNMENT PROCEDURE:

ST + A0 + DE + DATA STATION NUMBER (1-4 digits) + DE + DATA (2 digits) + EXE

4. DATA TABLE:

◀ :Initial Data

DATA STATION NUMBER (STA No.)	SETTING DATA (TYPE)		RELATED COMMANDS
	DATA	MEANING (TYPE OF DATA ADAPTER)	
X } XXXX	00	DA-005A Data Adapter Note 1 DA-007A Data Adapter DA-008A-2 Data Adapter	CMA1 CM1A
	15 ◀	DTA-E Data Adapter	

BCD-4317705-0354-02

Note 1: The assignment of a PJ-AP01 board is also required by CM05 and CMA4

Note 2: The job specification for this command follows the explanation for Command A1.

COMMAND CODE	TITLE:
(MAT) A1	DATA TERMINAL ATTRIBUTE DATA

1. FUNCTION:

This command is used to define the attributes (terminal characteristics data for data communications) of each data terminal.

2. PRECAUTIONS:

This command is included in MAT mode menu "E5" [Data Station Attribute (COM02)].

3. ASSIGNMENT PROCEDURE:

[ST] + A1YY + **[DE]** + DATA STATION NUMBER (1 - 4 digits) + **[DE]** + DATA (1 - 2 digits) + **[EXE]**

4. DATA TABLE:

YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (ER)	Detection of DTR signal from Data Terminal	0 1 ◀	Not to be detected To be detected	
01 (AUTO)	Automatic answer	0 1 ◀	Automatic answer Manual or Automatic (Selectable by [AUTO] Key)	
02 (OGMDM)	Modem Group used in outgoing mode	00 01 } 08 15 ◀	Automatic Selection Modem Group 1 } Modem Group 8 Seizing Modem trunk is restricted	CMA2 CMA3, YY=02
03 (ICMDM)	Modem Group used in incoming mode	00 01 } 08 15 ◀	Automatic Selection Modem Group 1 } Modem Group 8 Seizing Modem trunk is restricted	CMA2 CMA3, YY=02

BCD-4317705-0355-02

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	CMA3, YY = 03
		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	
31◀	1200 bps			
05 (PRTY)	Parity Check	0	Effective	
		1◀	Ineffective	
06 (SYNC)	Synchronous/Asynchronous	0	Synchronous transmission by internal clock (PBX clock) Note 1	
		1	Synchronous transmission by external clock (PBX clock) Note 2	
		2	Synchronous transmission by external clock (ST1 mode) Note 2	
		3	Synchronous transmission by external clock (ST2 mode) Note 1	
		7◀	Asynchronous	
07 (HDX)	Full-duplex or half-duplex	0	Half-duplex	CMA3, YY = 05
		1◀	Full-duplex	

BCD-4317705-0356-02

Note 1 : *Modem Pooling cannot be used.***Note 2 :** *For Modem Pooling.*

COMMAND CODE		TITLE:		
MAT A1		DATA TERMINAL ATTRIBUTE DATA		
◀:Initial Data				
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
08 (STOP)	Stop Bit	0	Two (2) Stop Bits	CMA3, YY = 06
		1 ◀	One (1) Stop Bit	
09 (CHR)	Type of Code	00	ASCII (7-bit) + even parity	CMA3, YY = 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)	
11 (HOTL)	Hot Line Data Station	0	Hot Line Data Station (Calling Side)	CM52
		1 ◀	Ordinary Data Station	
12 (HOTC)	Hot Line connection	0	By "DATA" key or DTR signal (ON) of the terminal	CM52
		1 ◀	By "DATA" key	
13 (CI)	CI (RI) signal sent to terminal	0		
		1	2 sec ON, 4 sec OFF	
		2	1 sec ON, 2 sec OFF	
		3 ◀	Continuous signal	
14 (CSTIM)	CS (CTS) delay timing after sending RS (RTS) Note	00	01: 0 ms	
		1	02: 30 ms	
		2	03: 60 ms	
		3	04: 120 ms	
		4	05: 240 ms	
		5	06: 360 ms	
		15 ◀	07: 720 ms 08: 1080 ms 15: 60 ms	

BCD- 4317705-0357-02

Note: This data is available for a DA-005A Data Adapter.

Note: If space is insufficient, use copies.

MAT		CM1A	CMA0								
PRIMARY EXTENSION NUMBER	DATA STATION NUMBER	TYPE OF DATA ADP. 00/15	YY								
			00 (ER)	01 (AUTO)	02 (OGMDM)	03 (ICMDM)	04 (SPEED)	05 (PRTY)	06 (SYNC)	07 (HDX)	08 (STOP)
			(0/1)	(0/1)	00 } 15	00 } 15	00 } 31	(0/1)	0 } 7	(0/1)	(0/1)
		15	1	1	15	15	31	1	7	1	1

COMMAND A0: ST + A0 + DE + DATA STATION + DE + SETTING DATA + EXE
 NUMBER (1-4 digits) (2 digits)

COMMAND A1: ST + A1YY + DE + DATA STATION + DE + SETTING DATA + EXE
 NUMBER (1-4 digits) (1-2 digits)

COMMAND 1A: ST + 1A + DE + PRIMARY EXTENSION NUMBER + DE + DATA STATION + EXE
 NUMBER (1-4 digits) (1-4 digits)

◀: Initial Data

CMA1				
YY				
09 (CHR)	11 (HOTL)	12 (HOTC)	13 (CI)	14 (CSTIM)
00 5 15	(0/1)	(0/1)	0 5 3	00 5 15
15	1	1	3	15

BCD-4317705-0358-02

COMMAND CODE	TITLE:		
A2	MODEM GROUP NUMBER		
1. FUNCTION:			
This command is used to allocate the Modem Group Number to the Modem Trunks.			
2. PRECAUTIONS:			
None.			
3. ASSIGNMENT PROCEDURE:			
$\boxed{\text{ST}} + \text{A2} + \boxed{\text{DE}} + \begin{array}{l} \text{MODEM TRUNK} \\ \text{NUMBER} \\ \text{(2 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ \text{(1 digits)} \end{array} + \boxed{\text{EXE}}$			
4. DATA TABLE:			
MODEM TRUNK NUMBER	SETTING DATA		RELATED COMMANDS
	DATA	MEANING	
00	1	Modem Group 1	CM05; CM06; CMA3; CMA1, YY = 02, 03
}	}	}	
31	8	Modem Group 8	
Note			

BCD-4317705-0359-02

Note: See CM06, YY=03.

CMA2			
MODEM TRUNK NUMBER	MODEM GROUP NUMBER	MODEM TRUNK NUMBER	MODEM GROUP NUMBER
00		16	
01		17	
02		18	
03		19	
04		20	
05		21	
06		22	
07		23	
08		24	
09		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	

BCD-4317705-0360-02

COMMAND A2: **ST** + A2 + **DE** + MODEM TRUNK NUMBER + **DE** + MODEM GROUP NUMBER + **EXE**
 (2 digits) (1 – 8)

COMMAND CODE	TITLE:
(MAT) A3	MODEM GROUP ATTRIBUTE DATA
1. FUNCTION: This command is used to de fine the attributes of each Modem Group.	
2. PRECAUTIONS: This command is included in MAT mode menu "E6" [Modem Group Attribute (COM02)].	
3. ASSIGNMENT PROCEDURE: <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">ST</div> + <div style="display: flex; align-items: center; gap: 5px;"> A3YY + <div style="border: 1px solid black; padding: 2px 5px;">DE</div> + <div style="text-align: center;"> MODEM GROUP NUMBER (1-8) </div> + <div style="border: 1px solid black; padding: 2px 5px;">DE</div> + <div style="text-align: center;"> DATA (1-2 digits) </div> + <div style="border: 1px solid black; padding: 2px 5px;">EXE</div> </div> </div>	

COMMAND CODE		TITLE:		
MAT A3		MODEM GROUP ATTRIBUTE DATA		
4. DATA TABLE:				
				◀:Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00 (MB)	Make busy	0	In Service	
		1 ◀	Make Busy Set	
01 (KIND)	Type of MODEM	00	Dial-up Modem (Ring Modem)	
		15 ◀	Leased Line Modem	
02 (OG/IC)	Call Direction	0	Outgoing only	CMA1 YY = 02,03
		1	Incoming only	
		2		
		3 ◀	Outgoing and incoming	
03 (SPEED)	Data speed	00	50 bps	CMA1 YY = 04
		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				
31 ◀	1200 bps			

BCD-4317705-0361-03

COMMAND CODE		TITLE:		
(MAT) A3		MODEM GROUP ATTRIBUTE DATA		
4. DATA TABLE:				◀:Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
04 (SYNC)	Asynchronous/synchronous	1	Synchronous (PBX clock)	CMA1, YY = 06
		2	Synchronous (ST1 mode master)	
		3	Synchronous (ST2, RT mode slave)	
		15 ◀	Asynchronous	
05 (HDX)	Full-duplex or half-duplex	0	Half-duplex	CMA1, YY = 07
		1 ◀	Full-duplex	
06 (CLN)	Data Length	1	12 bits	CMA1, YY = 08, 09
		2	11 bits	
		3 ◀	10 bits	
07 (DSR)	DSR signal supervision	0	No	
		1 ◀	Yes	

BCD-4317705-0362-03

◀ : Initial Data

MAT		CMA3						
MODEM GROUP NUMBER	YY							
	00 (MB)	01 (KIND)	02 (OG/C)	03 (SPEED)	04 (SYNC)	05 (HDX)	06 (CLN)	07 (DSR)
	0 / 1	00 / 15	0 / 3	00 / 31	1 / 15	0 / 1	1 / 3	0 / 1
1								
2								
3								
4								
5								
6								
7								
8								
	1	15	3	31	15	1	3	1

BCD-4317705-0363-02

COMMAND A3: **ST** + A3YY + **DE** + MODEM GROUP NUMBER (1-8) + **DE** + SETTING DATA (1-2 digits) + **EXE**

COMMAND CODE	TITLE:				
A4	KEYBOARD DIALING AP01				
1. FUNCTION:					
<p>This command allows the Keyboard Dialing AP01 to communicate with each data terminal through the Data Adapter. The dialed information from a data terminal is sent to the Keyboard Dialing AP01 through the TDSW.</p>					
2. PRECAUTIONS:					
<ul style="list-style-type: none"> This command requires a system initialization or the initialization of the AP01 board (turning the MB switch on and off) after data setting. 					
3. ASSIGNMENT PROCEDURE:					
$\boxed{\text{ST}} + \text{A4Y} + \boxed{\text{DE}} + \begin{array}{l} \text{AP CIRCUIT} \\ \text{NUMBER} \\ (4 \text{ digits}) \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{DATA} \\ (2 \text{ digits}) \end{array} + \boxed{\text{EXE}}$					
4. DATA TABLE:					
Y	AP CIRCUIT NUMBER		SETTING DATA		RELATED COMMANDS
	No.	MEANING	DATA	MEANING	
0	XXXX	<u>XX XX</u> — Circuit Number (00-31) — PJ-AP01 Slot Number (04-15)	00	DA-003 Data Module	CM05; CMA0
			01	DA-005A (NEC/HAYES) / DA-007A-2/DA-008A-2 Note	
			15	Invalid	

BCD-4317705-0364-02

Note: AP circuit number is allocated to a Data Adapter.

CMA4 (2/2)

Note: If space is insufficient, use copies.

CMA4		
Y	AP CIRCUIT NUMBER	SETTING DATA (01)
0		

BCD-4317705-0365-01

CMA4		
Y	AP CIRCUIT NUMBER	SETTING DATA (01)
0		

BCD-4317705-0365-01

COMMAND A4: ST + A4Y + DE + AP CIRCUIT + DE + SETTING + EXE
 NUMBER DATA
 (4 digits) (2 digits)

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, between a data station and a DTI (digital signal), or between DTIs.																							
2. PRECAUTIONS:																							
None.																							
3. ASSIGNMENT PROCEDURE:																							
$\boxed{\text{ST}} + \text{A5YY} + \boxed{\text{DE}} + \frac{\text{DATA STATION NUMBER (A)} \text{ (1-4 digits)}}{\text{TRUNK NUMBER (A)} \text{ (4 digits)}} + \boxed{\text{DE}} + \frac{\text{DATA STATION NUMBER (B)} \text{ (1-4 digits)}}{\text{TRUNK NUMBER (B)} \text{ (4 digits)}} + \boxed{\text{EXE}}$																							
4. DATA TABLE:																							
<table border="1"> <thead> <tr> <th rowspan="2">No.</th> <th rowspan="2">MEANING</th> <th colspan="2">SETTING DATA</th> <th rowspan="2">RELATED COMMANDS</th> </tr> <tr> <th>DATA</th> <th>MEANING</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Memory block 00</td> <td>X</td> <td>Data station number</td> <td>CM1A</td> </tr> <tr> <td>{</td> <td>{</td> <td></td> <td></td> <td></td> </tr> <tr> <td>99</td> <td>Memory block 99</td> <td>XXXX DXXX</td> <td>Trunk Number assigned with CM07, YY=01</td> <td>CM07, YY=01</td> </tr> </tbody> </table>		No.	MEANING	SETTING DATA		RELATED COMMANDS	DATA	MEANING	00	Memory block 00	X	Data station number	CM1A	{	{				99	Memory block 99	XXXX DXXX	Trunk Number assigned with CM07, YY=01	CM07, YY=01
No.	MEANING			SETTING DATA			RELATED COMMANDS																
		DATA	MEANING																				
00	Memory block 00	X	Data station number	CM1A																			
{	{																						
99	Memory block 99	XXXX DXXX	Trunk Number assigned with CM07, YY=01	CM07, YY=01																			
BCD-4317705-0366-02																							
<p>Note: <i>The following connection patterns are available.</i></p> <table border="1"> <thead> <tr> <th>CONNECTION PATTERN</th> <th>1st DATA</th> <th>2nd DATA</th> </tr> </thead> <tbody> <tr> <td>Data Station - Data Station</td> <td>X-XXXX</td> <td>X-XXXX</td> </tr> <tr> <td>Data Station - Data Trunk</td> <td>X-XXXX</td> <td>DXXX</td> </tr> <tr> <td>Data Trunk - Data Trunk</td> <td>DXXX</td> <td>DXXX</td> </tr> </tbody> </table>		CONNECTION PATTERN	1st DATA	2nd DATA	Data Station - Data Station	X-XXXX	X-XXXX	Data Station - Data Trunk	X-XXXX	DXXX	Data Trunk - Data Trunk	DXXX	DXXX										
CONNECTION PATTERN	1st DATA	2nd DATA																					
Data Station - Data Station	X-XXXX	X-XXXX																					
Data Station - Data Trunk	X-XXXX	DXXX																					
Data Trunk - Data Trunk	DXXX	DXXX																					
BCD-4317705-0442-02																							

CMA5 (2/2)

Note: *If space is insufficient, use copies.*

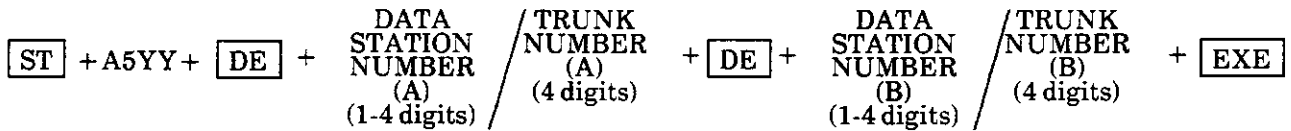
CMA5		
YY (00 - 99)	DATA STATION NUMBER (A) or TRUNK NUMBER (A)	DATA STATION NUMBER (B) or TRUNK NUMBER (B)

BCD-42893-0367-01

CMA5		
YY (00 - 99)	DATA STATION NUMBER (A) or TRUNK NUMBER (A)	DATA STATION NUMBER (B) or TRUNK NUMBER (B)

BCD-42893-0367-01

COMMAND A5:



COMMAND CODE		TITLE:		
A6		ACD-MIS AP-ACDB DATA		
1. FUNCTION:				
This command is used to assign data to the AP-ACDB port.				
2. PRECAUTIONS:				
None.				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{A6YY} + \boxed{\text{DE}} + \begin{array}{l} \text{RS-232C} \\ \text{PORT} \\ \text{(always "3"} \\ \text{when YY =} \\ \text{05 to 24)} \end{array} / \begin{array}{l} \text{TYPE OF} \\ \text{INDI-} \\ \text{CATION} \\ \text{(always "0"} \\ \text{when YY =} \\ \text{99)} \end{array} + \boxed{\text{DE}} + \begin{array}{l} \text{SETTING} \\ \text{DATA} \\ \text{NUMBER} \\ \text{(when YY =} \\ \text{05 to 24)} \end{array} / \begin{array}{l} \text{INDI-} \\ \text{CATION} \\ \text{PATTERN} \\ \text{(when YY =} \\ \text{99)} \end{array} + \boxed{\text{EXE}}$				
4. DATA TABLE: ◀ : Initial Data				
YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
04	Data Transmission Speed	0	150 bps	
		1	300 bps	
		2	600 bps	
		3	1200 bps	
		4	2400 bps	
		5 ◀	4800 bps	
05	Parity Check	0	Present	
		1 ◀	Absent	
06	Synchronization	7 ◀	Asynchronous	CMA1, YY = 06
07	Communication	0	Half duplex	
		1 ◀	Full duplex	
08	Stop Bit	0	Two stop bits	
		1 ◀	One stop bit	
09	Code Type	06	JIS (8 bit)	CMA1, YY = 09
		15 ◀	Non-character (binary data)	
10	CD Signal Check	0	No check made	
		1	When data transmission is required	
11	RS Signal Control	0	No check made	
		1	When data transmission is required	

BCD-4317705-0471-01

COMMAND CODE	TITLE:
A6	ACD-MIS AP-ACDB DATA

YY		SETTING DATA		RELATED COMMANDS
No.	MEANING	DATA	MEANING	
20	OAI Feature Status	2	In use	
21	Task Priority	0	First priority	
22	Message Selection Sub-Function	0	Not in use	
24	OAI Feature Type	1	Free-wheeling	
99	Signal Lead Indication	4	LED 0 flashes when the PABX is outputting data to the MIS (default)	

BCD-4317705-0471-01

CMA6												
YY												
04	05	06	07	08	09	10	11	20	21	22	24	99
5	1	7	1	1	15							

BCD-4317705-0472-01

COMMAND A6:

ST + A6YY + DE +

 RS-232C PORT / TYPE OF INDICATION + DE +

 (always "3" when YY = 05 to 24) / (always "0" when YY = 99)

 SETTING DATA NUMBER / INDICATION PATTERN + EXE

 (when YY = 05 to 24) / (when YY = 99)

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA		
1. FUNCTION:				
This command is used to assign the various data for each Common Channel Handler (CCH).				
2. PRECAUTIONS:				
None.				
3. ASSIGNMENT PROCEDURE:				
<div style="text-align: center;"> ST + A7YY DE + CCH No. (0-3) + DE + DATA (3-5 digits) + EXE </div>				
4. DATA TABLE:				
				◀ : Initial Data
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Assignment of trunk used as Common Signaling Channel	000 { 255	Trunk Number assigned with CM07, YY = 01	
01	Assignment of Originating Point Code (OPC)	00001 { 16367	Originating Point Code	
02	Assignment of Destination Point Code (DPC)	00001 { 16367	Destination Point Code	
03	Centralized billing facility. Designate what type of facility the CCH package is interfacing to.	0 1 2 3 ◀	Distant end is a Centralized Office Distant end is a Local Office Not to be provided	
04	Assignment of Centralized Billing office	00001 { 16367	Point Code of Centralized Billing office	

BCD-4317705-0368-01

COMMAND CODE		TITLE:		
A7		CCIS CHANNEL DATA		
YY		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
05	Assignment of Centralized Fault Reporting destination	00001 { 16367	Point Code of Centralized Fault Reporting office	
06	Assignment of Originating Office Number	0000 { 9999	Originating Office Number	

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◀ : Initial Data

CMA7							
CCH NUMBER	YY = 00 000 { 255	YY = 01 00001 { 16367	YY = 02 00001 { 16367	YY = 03 0 { 3	YY = 04 00001 { 16367	YY = 05 00001 { 16367	YY = 06 0000 { 9999
0							
1							
2							
3							
				3			

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COMMAND A7: + A7YY + CCH No. (0-3) + + DATA (3-5 digits) +

COMMAND CODE	TITLE:			
A8	CCIS ROUTING LABEL ASSIGNMENT			
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. PRECAUTIONS:				
None.				
3. ASSIGNMENT PROCEDURE:				
$\boxed{\text{ST}} + \text{A8} + \boxed{\text{DE}} + \begin{array}{c} \text{1ST DATA} \\ \text{(5 digits)} \end{array} + \boxed{\text{DE}} + \begin{array}{c} \text{2ND DATA} \\ \text{(1 digit)} \end{array} + \boxed{\text{EXE}}$				
4. DATA TABLE:				
1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
00001 { 16367	Destination Point Code (DPC) of the distant office	0 { 3	CCH0 { CCH3	CM06, YY = 07

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

COMMAND CODE	TITLE:																													
AA	DTI FUNCTIONS																													
1. FUNCTION:																														
This command is used to assign functions to DTI boards (PJ-24DTB).																														
2. PRECAUTIONS:																														
None																														
3. ASSIGNMENT PROCEDURE:																														
<div style="display: flex; justify-content: space-around; align-items: center;"> ST + AAYY + DE + SLOT NUMBER OF DTI BOARD (04-15) + DE + DATA (1 digit) + EXE </div>																														
4. DATA TABLE: ◀ :Initial Data																														
<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;">SETTING DATA (DATA STATION NUMBER (A) AND (B))</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">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;">00</td> <td>Data Mode</td> <td style="text-align: center;">0 1 ◀</td> <td>Based on AT&T Specifications Not Used</td> <td rowspan="7"></td> </tr> <tr> <td style="text-align: center;">01</td> <td>Frame Configuration</td> <td style="text-align: center;">0 1 ◀</td> <td>12-Multi Frame 24-Multi Frame</td> </tr> <tr> <td style="text-align: center;">02</td> <td>ZCS (Zero Code Suppression [B7/B8ZS])</td> <td style="text-align: center;">0 1 ◀</td> <td>Available (Non-transparent) Not Available (Transparent)</td> </tr> <tr> <td style="text-align: center;">03</td> <td>Control Mode</td> <td style="text-align: center;">0 7 ◀</td> <td rowspan="2"> } Not Assigned Channel Associated Interoffice Signaling / Common Channel Interoffice Signaling </td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">6</td> </tr> </tbody> </table>		YY		SETTING DATA (DATA STATION NUMBER (A) AND (B))		RELATED COMMAND	No.	MEANING	DATA	MEANING	00	Data Mode	0 1 ◀	Based on AT&T Specifications Not Used		01	Frame Configuration	0 1 ◀	12-Multi Frame 24-Multi Frame	02	ZCS (Zero Code Suppression [B7/B8ZS])	0 1 ◀	Available (Non-transparent) Not Available (Transparent)	03	Control Mode	0 7 ◀	} Not Assigned Channel Associated Interoffice Signaling / Common Channel Interoffice Signaling			6
YY		SETTING DATA (DATA STATION NUMBER (A) AND (B))		RELATED COMMAND																										
No.	MEANING	DATA	MEANING																											
00	Data Mode	0 1 ◀	Based on AT&T Specifications Not Used																											
01	Frame Configuration	0 1 ◀	12-Multi Frame 24-Multi Frame																											
02	ZCS (Zero Code Suppression [B7/B8ZS])	0 1 ◀	Available (Non-transparent) Not Available (Transparent)																											
03	Control Mode	0 7 ◀	} Not Assigned Channel Associated Interoffice Signaling / Common Channel Interoffice Signaling																											
		6																												
BCD-4317705-0370-02																														
<p>Note: A maximum of five (5) DTI boards are permitted in the system.</p>																														

◀ : Initial Data

CMAA				
DTI SLOT NUMBER (04-15)	YY = 00 (0/1)	YY = 01 (0/1)	YY = 02 (0/1)	YY = 03 (0-7)
	1	1	1	7

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COMMAND AA: + AAYY + + SLOT NUMBER OF DTI BOARD (04-15) + + DATA (1 digit) +

COMMAND CODE	TITLE:
<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">MAT</div> B0	PEG COUNT
1. FUNCTION: This command allows accumulated data used for maintenance purposes to be read from the system PEG counter. Data can be cleared after reading.	
2. PRECAUTIONS: (1) This command is included in MAT mode menu "D1" [Peg Count (COM02)].	
3. ASSIGNMENT PROCEDURE: Y=0 <ul style="list-style-type: none"> • To clear individual data: $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \text{TRUNK STATUS NUMBER (3 digits)} + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ • To clear all data: $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + 999 + \boxed{\text{DE}} + \text{CCC} + \boxed{\text{EXE}}$ • To display: $\boxed{\text{ST}} + \text{B00} + \boxed{\text{DE}} + \text{TRUNK STATUS NUMBER (3 digits)} + \boxed{\text{DE}}$ Y=2 <ul style="list-style-type: none"> • To set the time: $\boxed{\text{ST}} + \text{B02} + \boxed{\text{DE}} + \text{1ST DATA (0/1)} + \boxed{\text{DE}} + \text{2ND DATA (8 digits)} + \boxed{\text{EXE}}$ • To display the PEG COUNT status: $\boxed{\text{ST}} + \text{B02} + \boxed{\text{DE}} + 2 + \boxed{\text{DE}}$ 	

COMMAND CODE	TITLE:
(MAT) B0	PEG COUNT

4. DATA TABLE:

Y No.	TRUNK STATUS DATA		ASSIGNMENT DATA
	DATA	MEANING	
0	000 { 063 (OG call)	Number of Outgoing call seizures -Trunk Route (00 – 63)	CCC (For "0" CLEAR)
	064 (Tandem Conn.)	Number of tandem connections established	
	065 (STA busy)	Number of times busy station encountered	
	066 (ATT call)	Number of all types of calls to HA-610Z/SN610 ATTCON	
	068 (DT sending)	Number of connections giving Dial Tone	
	069 (STA-to-STA)	Number of station-to-station call attempts	
	070 (SND all busy)	Number of failures caused by all senders being busy	
	071 (Data-to-Data)	Number of internal data station-to-data station call attempts	
	072 (ORT all busy)	Number of failures caused by all registers being busy	
	076 (RGT all busy)	Number of failures caused by ring generator capacity overflow	
	100 { 163 (IC Call)	Number of incoming call seizures -Trunk Route (00 – 63)	
	200 { 263 (TRK all busy)	Number of times all trunks found to be busy -Trunk Route (00-63)	
	999	Enter to clear all PEG data	

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COMMAND CODE	TITLE:
(MAT) B0	PEG COUNT

4. DATA TABLE:

Y No.	TRUNK STATUS DATA		ASSIGNMENT DATA
	DATA	MEANING	
0	500 } 563 (IC BT Conn.)	Number of incoming calls terminated to Busy Tone -Trunk Route (00-63)	CCC (For "0" CLEAR)
	600 } 663 (IC no answer)	Number of unanswered incoming calls -Trunk Route (00-63)	
	700 } 763 (ORT Conn.)	Number of Register Connections on Trunk Call -Trunk Route (00-63)	
	801 } 808 (OG Call)	Number of outgoing calls via Modem Trunk Group (1-8)	
	811 } 818 (IC Call)	Number of incoming calls via Modem Trunk Group (1-8)	
	821 } 828 (TRK all BSY)	Number of failures caused by all Modem Trunks being busy - Modem Trunk Group (1-8)	
	830 (Used CFT)	Number of Conference Calls (Three-way Calling/Four- Party Calling)	
	831 (CFT busy)	Number of failures caused by all Conference Trunks (For Three-way Calling) being busy.	
	832 (IC & CF-DA)	Number of transferred incoming calls to HA-610Z/ SN610 ATTCON, or predetermined station by Call Forwarding-No Answer.	

BCD-4317705-0373-02

COMMAND CODE	TITLE:
(MAT) B0	PEG COUNT

Y No.	1ST DATA		2ND 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".	XX	XX	XX	XX
	1 (Measurement End Time)	Setting of PEG COUNT End Time					Min. (00 - 59) Hour (00 - 23) Day (01 - 31) Month (01 - 12)
	2 (Status)	For displaying the PEG COUNT Status Note					

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Note: The meaning of the data displayed is shown below.

- 0: Not started
- 1: Under measurement
- 2: Finished

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

COMMAND CODE	TITLE:
(MAT) B3	UCD PEG COUNT

1. FUNCTION:

This command allows accumulated traffic data related to UCD Group(s) to be read from the system.

2. PRECAUTIONS:

This command is included in MAT mode menu "D1" [Peg Count (COM02)].

3. ASSIGNMENT PROCEDURE:

- To display:

[ST] + B3Y + [DE] + DATA (1-4 digits) + [DE]

- To clear individual data:

[ST] + B3Y + [DE] + DATA + [DE] + CCC + [EXE]

- To clear all the data:

[ST] + B39 + [DE] + 999 + [DE] + CCC + [EXE]

4. DATA TABLE:

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
0 (ANS)	Number of answered calls for the UCD station	X } XXXX	UCD Station Number (CM17, Y=0)
1 (IC Call)	Number of incoming calls to the UCD Group	00 } 15	UCD Group 00 } UCD Group 15 } (CM17, Y=2)
2 (Wait)	Number of waiting calls, for a predetermined time in queuing mode, for the UCD Group. Note		
3 (Wait & RLS)	Number of calls abandoned by the UCD Group.		
4 (All Busy)	Number of incoming calls encountering all stations busy in the UCD Group.		
5 (Answer)	Number of calls answered by the UCD Group.		
9 (Clear)	Clear all UCD PEG count data	999	

BCD-4317705-0374-01

Note: The predetermined time is specified by Command 41, Y=0, Function 16.

COMMAND CODE	TITLE:
D5	ID CODE ASSIGNMENT WITH AP02
<p>1. FUNCTION:</p> <p>This command is used to define the ID codes for the Authorization Code feature, with the AP02 board. The last two digits of an ID code can <i>optionally</i> be used as check codes, which are automatically generated by the system, according to the data set with Y=0 and Y=1. The user applies Y=0 to indicate which digit or digits are to be used to calculate the check code, and then applies Y=1 to indicate which checksum should be used to calculate the check code. The following example will illustrate the process:</p> <p>(a) The user indicates, with CM42, YY = 11, that authorization codes will have ten digits.</p> <p>(b) The user wishes to have "12345678" be the first eight digits of an authorization code, and wishes to have the system generate the last two digits as check codes.</p> <p>(c) The user wishes to have the first digit ("1") and sixth digit ("6") used in calculating the first check code, and the seventh digit ("7") used in calculating the second check code.</p> <p>(d) The user applies CMD5, Y = 0, twice.</p> <p>In the first application, the first data is "0", indicating that the first check code is being defined, and the second data is "0012" (see the chart which follows the Data Table), indicating that the first and sixth digits are to be used.</p> <p>In the second application, the first data is "1", indicating that the second check code is being defined, and the second data is "0004" (see the chart which follows the Data Table), indicating that the seventh digit is to be used.</p> <p>(e) The user applies CMD5, Y = 1, twice.</p> <p>In the first application, the first data is "0", indicating that the first check sum is being defined, and the second data is "8", which is the check sum.</p> <p>In the second application, the first data is "1", indicating that the second check sum is being defined, and the second data is "9", which is the check sum.</p> <p>(f) The system derives the two check codes.</p> <p>The first check code equals the first check sum ("8") less the first digit ("1") and the sixth digit ("6") of the authorization code. Thus, the first check code is: $8 - (1 + 6) = 1$.</p> <p>The second check code equals the second check sum ("9") less the seventh digit ("7") of the authorization code. Thus, the second check code is: $9 - (7) = 2$.</p> <p>(g) The resultant authorization code is thus: 1234567812. This code will be displayed on the MAT/CAT.</p>	

COMMAND CODE	TITLE:
D5	ID CODE ASSIGNMENT WITH AP02

1. FUNCTION:

This command is used to define the ID codes used for the Authorization Code and Forced Account Code features with the AP02 board. The last two digits of an ID code can be used as the check code which is automatically generated according to the data set by Y = 0 and Y = 1, if required.

2. PRECAUTIONS:

- (a) These ID codes are available, in case CM 08-216/217 are set to "1".
- (b) On an initial installation, CMD6 must be performed before CMD5.

3. ASSIGNMENT PROCEDURE:

[ST] + D5Y + [DE] + 1ST DATA (1-10 digits) + [DE] + 2ND DATA (1-9 digits) + [EXE]

4. DATA TABLE:

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Required digits for calculating the 1st and 2nd Check Codes. 	0	Designation of the digits to be used in calculating the 1st Check Code.	00 NN	00: No Check Code 01 - FF: The first (x ₁) through eighth (x ₈) digits of the forced account code are represented by bit 0 (b ₀) through bit 7 (b ₇). A "0" in a bit position indicates that the digit is not used in calculating the check code; a "1" indicates that the digit is used.
		1	Designation of the digits to be used in calculating the 2nd Check Code.	ID CODE DATA (00 - FF) 	After entering the bits, reverse their order (b ₀ is the least significant), and convert to hexadecimal. Alternately, refer to the chart that follows.

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COMMAND CODE	TITLE:
D5	ID CODE ASSIGNMENT WITH AP02

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Check Sum Value	0	Used in calculating the 1st Check Code	0 }	Check Sum Value
		1	Used in calculating the 2nd Check Code	9	
3	ID Code Entry	X	ID Code which is to be dialed in service. (exclusive of the Check Codes)	ABBCC DDEE	Setting of Temporary Service Class A: Type of Temporary Service Class 0: Unrestricted 1: Fully-Restricted 2: Temporary Service Class 9: Deletion of the ID Code B - E: Temporary Service Class (If A = 2) B: Trunk Restriction Class (01 - 08) C: Service Restriction Class-A (00 - 15) D: Service Restriction Class-B (00 - 15) E: Service Restriction Class-C (00 - 15)
		XX } X----X			
		Maximum of ten (10) digits. Refer to CM 4 2, YY = 11. Note			

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Note: If check codes are used, a maximum of eight digits can be entered.

The chart which follows illustrates the relationship between the digits, in an authorization code, that are to be used in calculating a Check Code, and the hexadecimal data to be entered in CMD5, Y=0, 2nd Data. The hexadecimal data is in the form "00NN", where "00" is not significant, and "NN" indicates the digit or digits, in the authorization code, to be used in calculating a Check Code. In the chart, "X₁" represents the left-most digit of the authorization code, while "X₈" represents the right-most digit (if eight digits are used, prior to the appending of the two check code digits). For example, if the second (X₂), fifth (X₅) and seventh (X₇) digits are to be applied in calculating the Check Code, the correct value for "NN" would be "25".

00	N				N					
	HEX DATA	DIGIT X ₁	DIGIT X ₂	DIGIT X ₃	DIGIT X ₄	HEX DATA	DIGIT X ₅	DIGIT X ₆	DIGIT X ₇	DIGIT X ₈
	1	X				1	X			
	2		X			2		X		
	3	X	X			3	X	X		
	4			X		4			X	
	5	X		X		5	X		X	
	6		X	X		6		X	X	
	7	X	X	X		7	X	X	X	
	8				X	8				X
	9	X			X	9	X			X
	A		X		X	A		X		X
	B	X	X		X	B	X	X		X
	C			X	X	C			X	X
	D	X		X	X	D	X		X	X
	E		X	X	X	E		X	X	X
	F	X	X	X	X	F	X	X	X	X

CMD5 (5/5)

Note: If space is insufficient, use copies.

CMD5		
Y	1ST DATA	2ND DATA
0		
1		
3		

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COMMAND D5: **ST** + D5Y + **DE** + 1ST DATA + **DE** + 2ND DATA + **EXE**
(1 – 10 digits) (1 – 9 digits)

COMMAND CODE	TITLE:
D6	ID CODE ALL CLEAR WITH AP02
1. FUNCTION: This command is used for deleting all the ID Codes stored in the PJ-AP02 board.	
2. PRECAUTIONS: Before clearing the ID Codes, using this command, perform the following switch settings on the PJ-AP02 board: SENSE 1 SWITCH -1---ON -2---OFF -3---OFF -4---ON	
3. ASSIGNMENT PROCEDURE: [ST] + D60 + [DE] + 0000 + [DE] + CCC + [EXE]	

CMD9

COMMAND CODE	TITLE:
D9	MEMORY CARD FUNCTION

1. FUNCTION:

This command is used to specify the function of the Memory Card (PK-ME00) and the additional memory number.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + D9YY + DE + MEMORY CARD NUMBER (2 digits) + DE + DATA (2 digits) + EXE

4. DATA TABLE:

YY	MEMORY CARD NUMBER	TRUNK STATUS DATA		RELATED COMMANDS								
		DATA	MEANING									
00	00 } 02 Note	XX	<table style="border-collapse: collapse;"> <tr> <td style="border: none; padding-right: 5px;">X</td> <td style="border: none; padding-right: 5px;">X</td> <td style="border: none;"> </td> <td style="border: none;">0-2: Number of additional memory board (PK-ME00) for the PJ-AP00 board</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"> </td> <td style="border: none;">0: Used for additional memory for the PJ-AP00 board</td> </tr> </table>	X	X		0-2: Number of additional memory board (PK-ME00) for the PJ-AP00 board				0: Used for additional memory for the PJ-AP00 board	CM10; CMD001; CMD102
X	X		0-2: Number of additional memory board (PK-ME00) for the PJ-AP00 board									
			0: Used for additional memory for the PJ-AP00 board									

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Note: These numbers are defined with Command 10 (EA 00-02).

MEMORY CARD NUMBER	DATA (00-02)
0	
1	
2	

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COMMAND CODE	TITLE:
E0	INITIALIZATION

1. FUNCTION:

This command allows maintenance personnel to initialize the system with the MAT/CAT.

2. PRECAUTIONS:

- If the date and time data is different from the current system clock, set with CM02, any request to initialize the system will be refused and the message "DATA ERROR" will be displayed.

3. ASSIGNMENT PROCEDURE:

ST + E0Y + **DE** + TYPE OF INITIALIZATION (2-4 digits) + **DE** + DATA (8 digits) + **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	Current Date and Time displayed on Multiline Terminal/ SN610 ATTCON	CM02
5	Desired FP/AP Initialization	00 } 15	FP/AP Number 00 } FP/AP Number 15	Note		CM02; CM05

BCD-4317705-0379-03

Note: For the data "MMDDHHMM", enter the month, date, and time, as shown below:

MM: Month (01 - 12)
 DD: Date (01 - 31)
 HH: Hour (00 - 23)
 MM: Minute (00 - 59)

COMMAND CODE	TITLE:				
E5	STATION, TRUNK MAKE BUSY				
1. FUNCTION:					
This command is used to set the Make Busy status for stations and trunks.					
2. PRECAUTIONS:					
None.					
3. ASSIGNMENT PROCEDURE:					
<div style="display: flex; justify-content: space-around; align-items: center;"> ST + E5Y + DE + STATION/TRUNK NUMBER + DE + DATA (0/1) + EXE </div>					
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, LLC and DLC cards
1	000 } 255	Trunk number Note 2 Note 3	0 1 ◀	Make Busy set In Service	For COT, ODT, EMT and DIT cards

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Note 1: *A station in Make Busy status can originate a call, but cannot receive a call. For a Multiline Terminal, Primary Extension and Multi-Line, Make Busy status can be set individually, with the same conditions as above.*

Note 2: *Outgoing calls are restricted, but incoming calls are available for a trunk in Make Busy status.*

Note 3: *The Busy Lamp on the card is flashing (60 ipm) when in a Make Busy condition.*

COMMAND CODE	TITLE:
E7	PASSWORD LEVEL

1. FUNCTION:

This command specifies the accessible commands of each Password Level.

2. PRECAUTIONS:

None.

3. ASSIGNMENT PROCEDURE:

ST + E7YY + DE + COMMAND CODE (2 digits) + DE + DATA (1 digit) + EXE

4. DATA TABLE:

◀ :Initial Data

YY		COMMAND CODE	SETTING DATA		
No.	PASSWORD LEVEL(S)				
00	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 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 accessing the designated command.
21	To clear the Password Level settings for all commands			XX: 00	1: All Password Levels, excluding Level 7, are restricted from accessing any command.

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Note 1: When YY=00 to 05, the list of accessible commands applies to the indicated range of passwords.

Note 2: When YY=20 or 21, the only available setting data is "1".

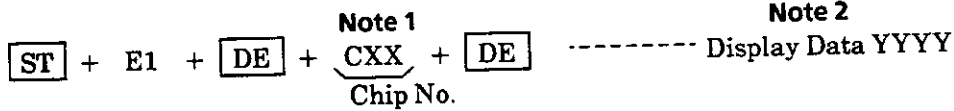
COMMAND CODE	TITLE:			
E9	PASSWORD CODE			
1. FUNCTION:				
This command is used to define the Password Code for each Password Level and the availability of Password Service.				
2. PRECAUTIONS:				
<p>(1) Before setting the Password Code, Function Number 8 (Change of Password) should be set to "0" (Allowed).</p> <p>(2) Password Level 7 can access every command. The Password Code for Password Level 7 must be defined before Function 9 (Password Service) can be programmed. If the Password Code for Password Level 7 is not defined, programming Password Service (Function 9) will not be allowed and the message "CODE NOT USED" will be displayed.</p> <p>(3) Function 9 (Password Service) should be set to "0" (Provided) <u>after</u> programming Password Level 7.</p>				
3. ASSIGNMENT PROCEDURE:				
<input type="checkbox"/> ST	+ E9 +	<input type="checkbox"/> DE	+ <input type="checkbox"/> DE +	
		PASSWORD LEVEL NO. /FUNCTION NO. (1 digit)	DATA (1-8 characters) + <input type="checkbox"/> EXE	
4. DATA TABLE:				
◀ :Initial Data				
PASSWORD LEVEL No./FUNCTION No.		SETTING DATA		REMARKS
		DATA	MEANING	
0	Password Level 0	X	Password Code	The following Password Codes are not available: "CC --- C" (All "C") "FF --- F" (All "F")
}	}	XX		
7	Password Level 7	}		
		X---X (maximum of 8 characters)		
8	Change of Password	0 ◀ 1	Allowed Restricted	See "Precautions"
9	Password Service	0 1 ◀	Provided Not provided	See "Precautions"

BCD-4317705-0382-01

COMMAND CODE	TITLE:
E1, F0, F1	SPECIAL COMMANDS

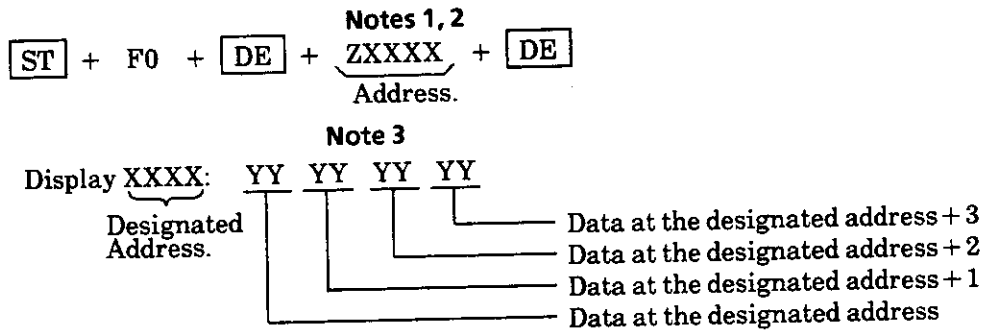
FUNCTION: These commands are used only for maintenance. DO NOT USE these commands without the assistance of an NEC engineer.

- (1) MP ROM Data Display (Command E1)
The following shows the steps for displaying check sums, using the MAT/CAT.



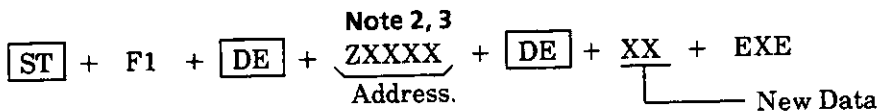
- Note 1:** XX: 01-08, 15, 16
Note 2: YYYY: 0000-FFFF (Check Sum)
Note 3: This command can also be used in on-line mode.

- (2) MP Memory Dump (Command F0)
The following shows the steps for displaying data in memory, using the MAT/CAT.



- Note 1:** Z: 0-F (Segment)
Note 2: XXXX: 0000-FFFF (Address)
Note 3: YY: 00-FF (Data)
Note 4: This command is only for displaying the data in memory and cannot be used for changing the data in memory.

- (3) MP Memory Read/Write (Command F1) **Note 1**
The following shows the steps for changing the data in memory, using the MAT/CAT.



- Note 1:** Extreme care must be exercised when using this command while the system is in service.
Note 2: Z: 0-F (Segment)
Note 3: XXXX: 0000-FFFF (Address)

COMMAND CODE	TITLE:
F2, F3	SPECIAL COMMANDS
<p>(4) FP Memory Dump (Command F2) The following shows the steps for displaying data in memory, using MAT/CAT.</p> <p style="text-align: center;">Notes 1, 2</p> <p style="text-align: center;"> ST + F2 + DE + YZXXXX + DE Address. </p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Note 3</p> <p>Display XXXX:</p> <p>Designated Address.</p> </div> <div style="text-align: center;"> <p>Note 4</p> <p>YY YY YY YY</p> </div> </div> <p style="margin-top: 20px;"> Note 1: Y: 0-F (FP Number) Note 2: Z: 0-F (Segment) Note 3: XXXX: 0000-FFFF (Address) Note 4: YY: 00-FF (Data) </p> <p>(5) FP Memory Read/Write (Command F3) Note 1 The following shows the steps for changing the data in memory, using the MAT/CAT.</p> <p style="text-align: center;">Note 2, 3, 4</p> <p style="text-align: center;"> ST + F3 + DE + YZXXXX + DE + XX + EXE Address. New Data </p> <p style="margin-top: 20px;"> Note 1: <i>Extreme care must be exercised when using this command while the system is in service.</i> Note 2: Y: 0-F (FP Number) Note 3: Z: 0-F (Segment) Note 4: XXXX: 0000-FFFF (Address) </p>	

COMMAND CODE	TITLE:
F5	SPECIAL COMMAND

(6) Line/Trunk Memory/Alarm Memory Read (Command F5)
 The following shows the steps for displaying data in memory, using the MAT/CAT

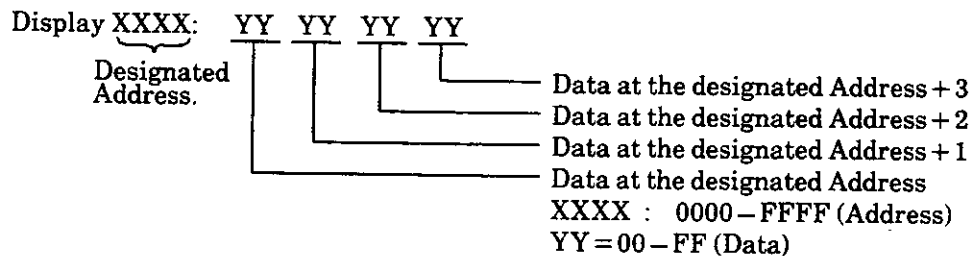
ST + F5Y + DE + 1st Data + DE

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	Refer to the <i>Trouble-shooting Guide</i> for status information.
	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	
	FX ∫ FXXXX	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.	

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COMMAND CODE	TITLE:
F5	SPECIAL COMMAND

Note 1: Status information associated with Y=0 and Y=3 will be displayed as shown below. Refer to the Trouble Shooting Guide for the meaning of the displayed status information.



Note 2: Status information associated with Y=2 will be displayed as shown below.

Display F52>X-XXXX : YYYY- /ZZZ-

 or

 F52>FX-FXXXX : YYYY-

 or

 F52>D000-D255 : YYYY-

 YYYY : 0000-0511 (LEN)

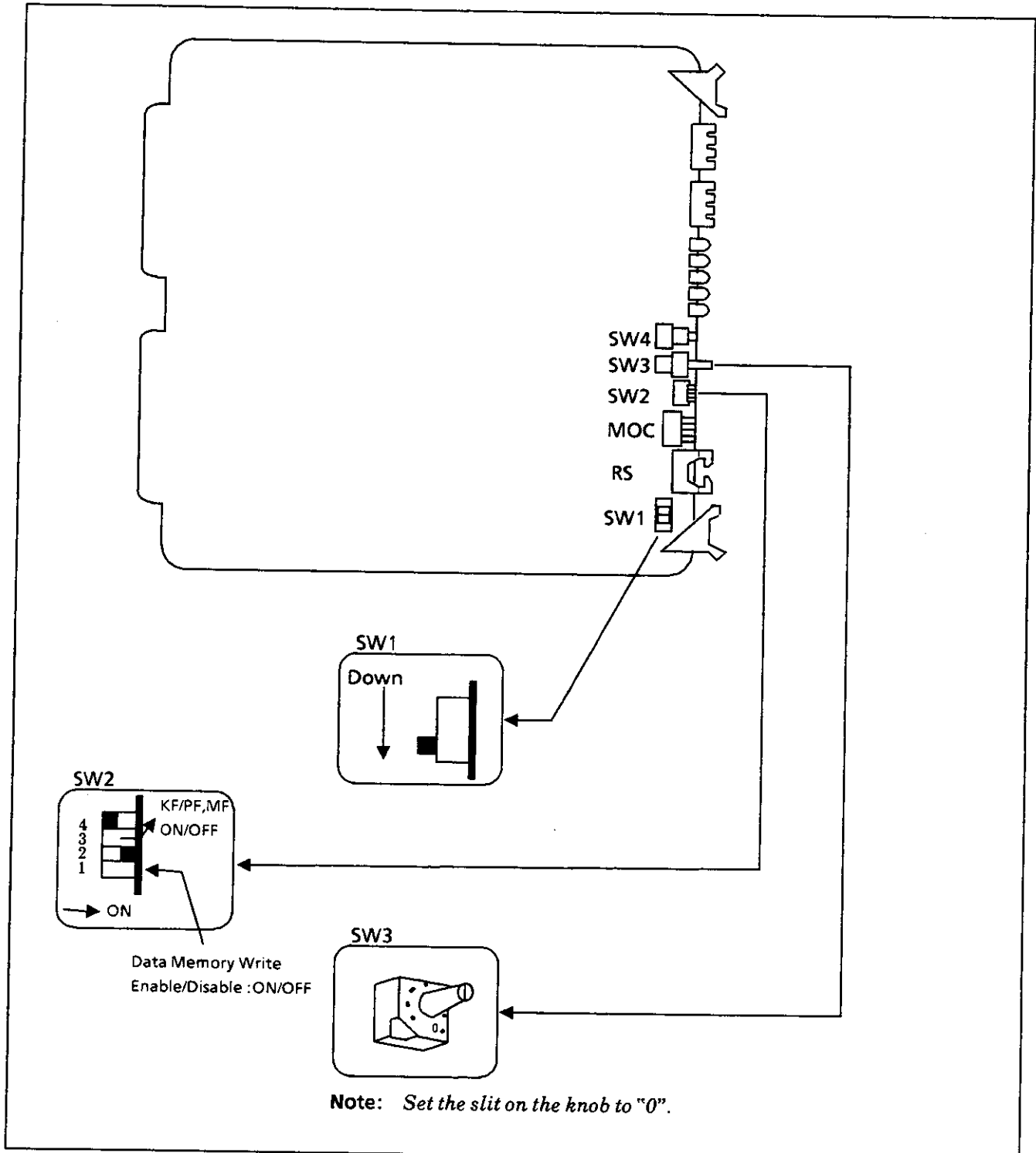
 ZZZZ : 0000-0255 (Virtual LEN)

CHAPTER 6 SWITCH SETTING DIAGRAMS

1. GENERAL

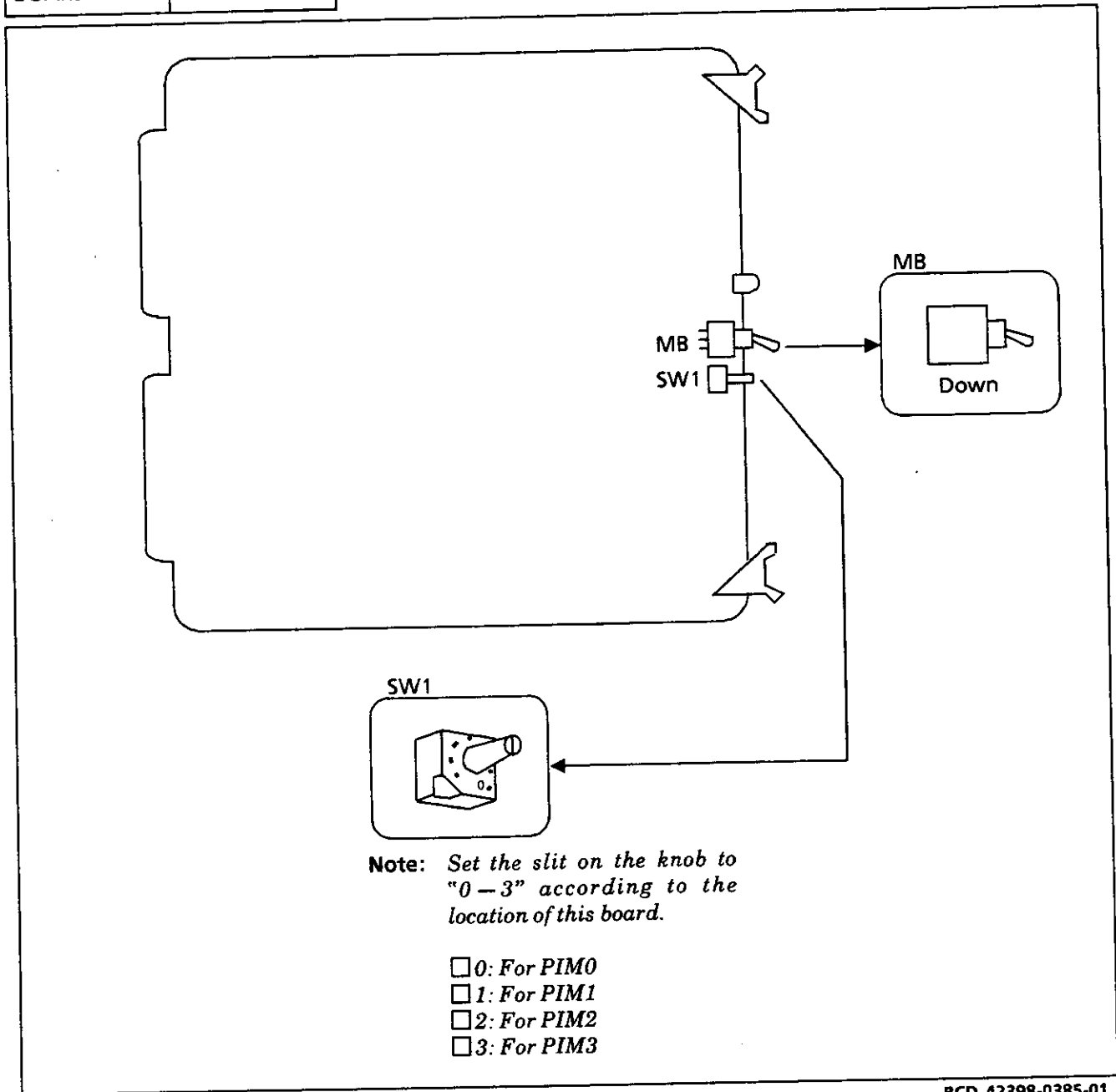
The following diagrams show the switch settings on each board and card. For switch settings that are variable, indicated with a symbol, specify the appropriate setting for the mounting location or signaling condition.

SYMBOL	MP
BOARD NAME	PJ-CP01



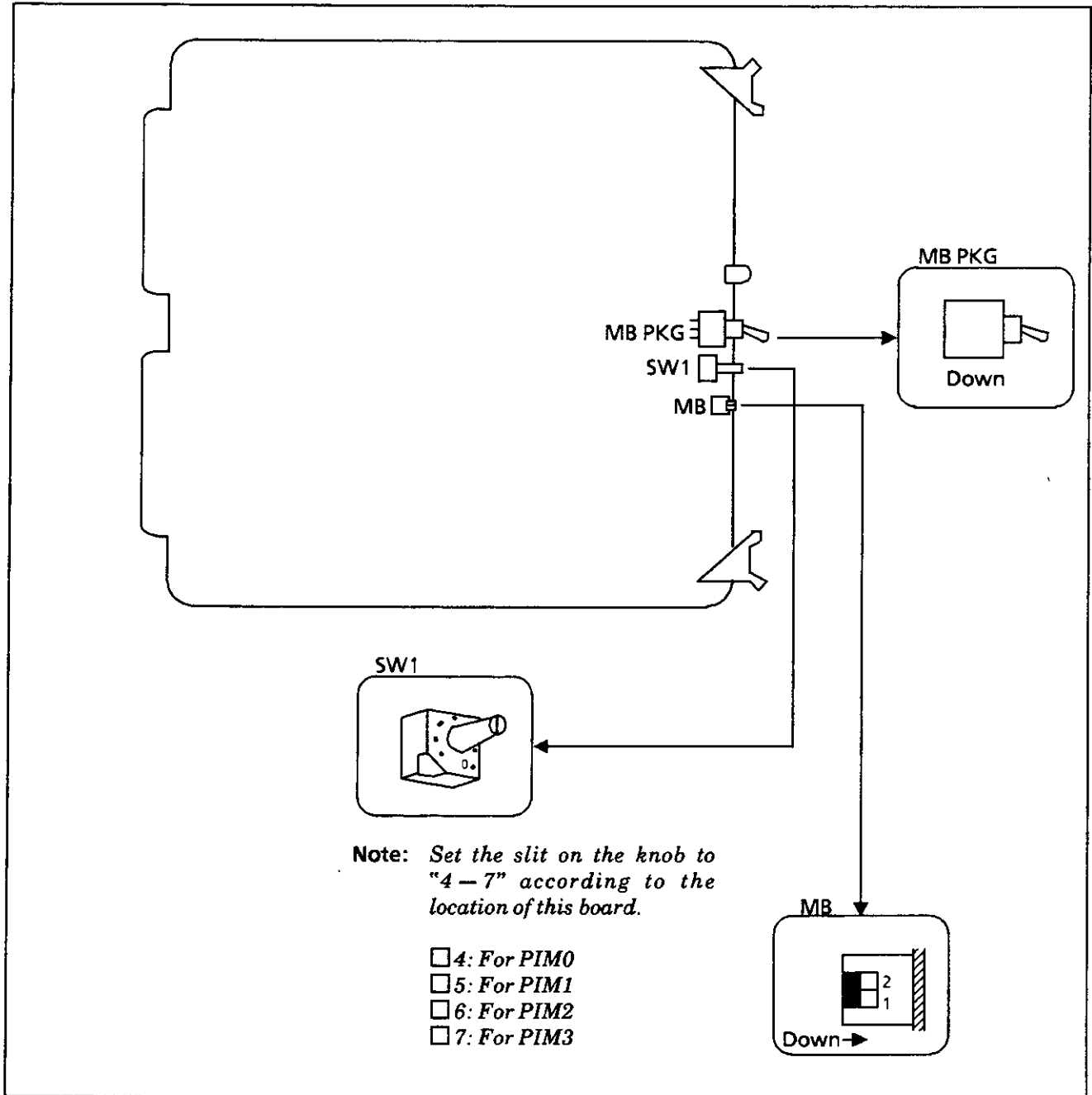
BCD-4317705-0384-01

SYMBOL	FP
BOARD NAME	PJ-CP02



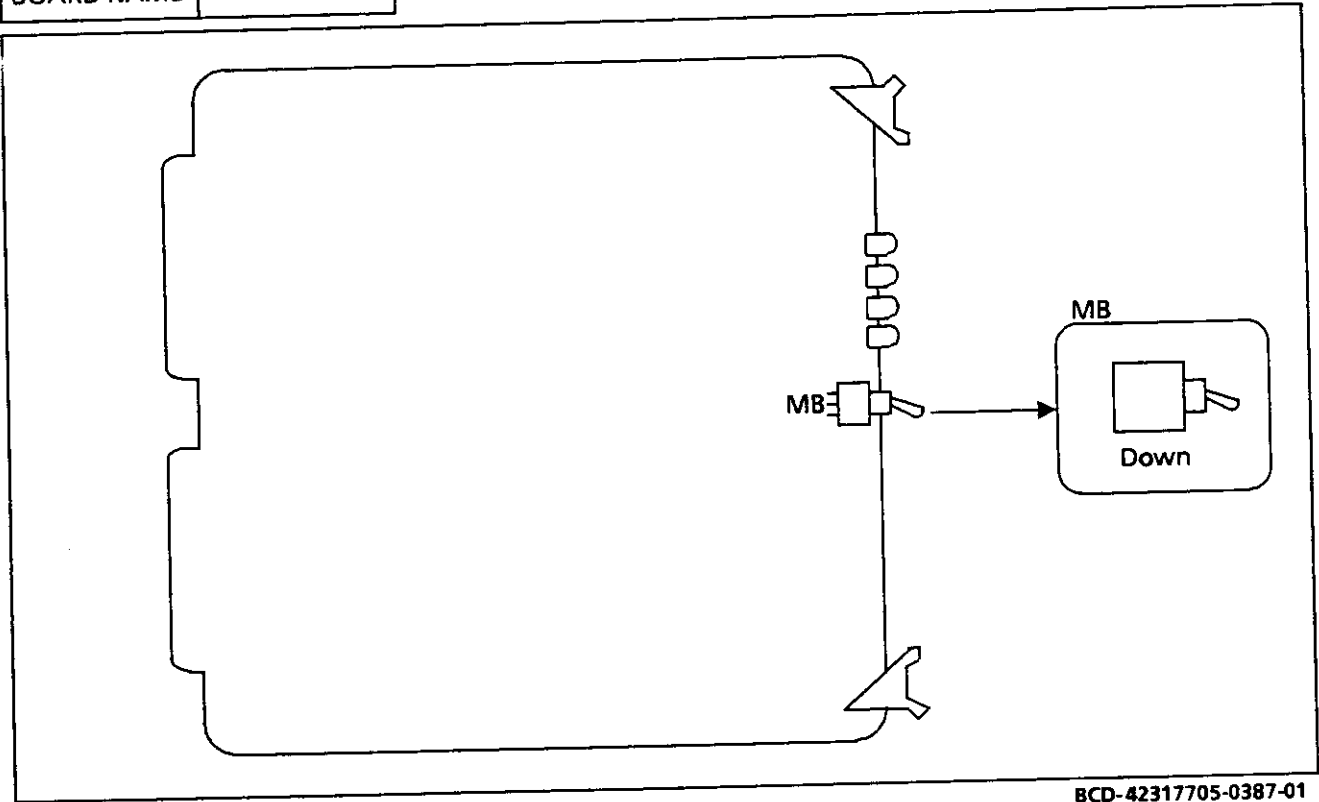
BCD-42398-0385-01

SYMBOL	ATI
BOARD NAME	PJ-CS00



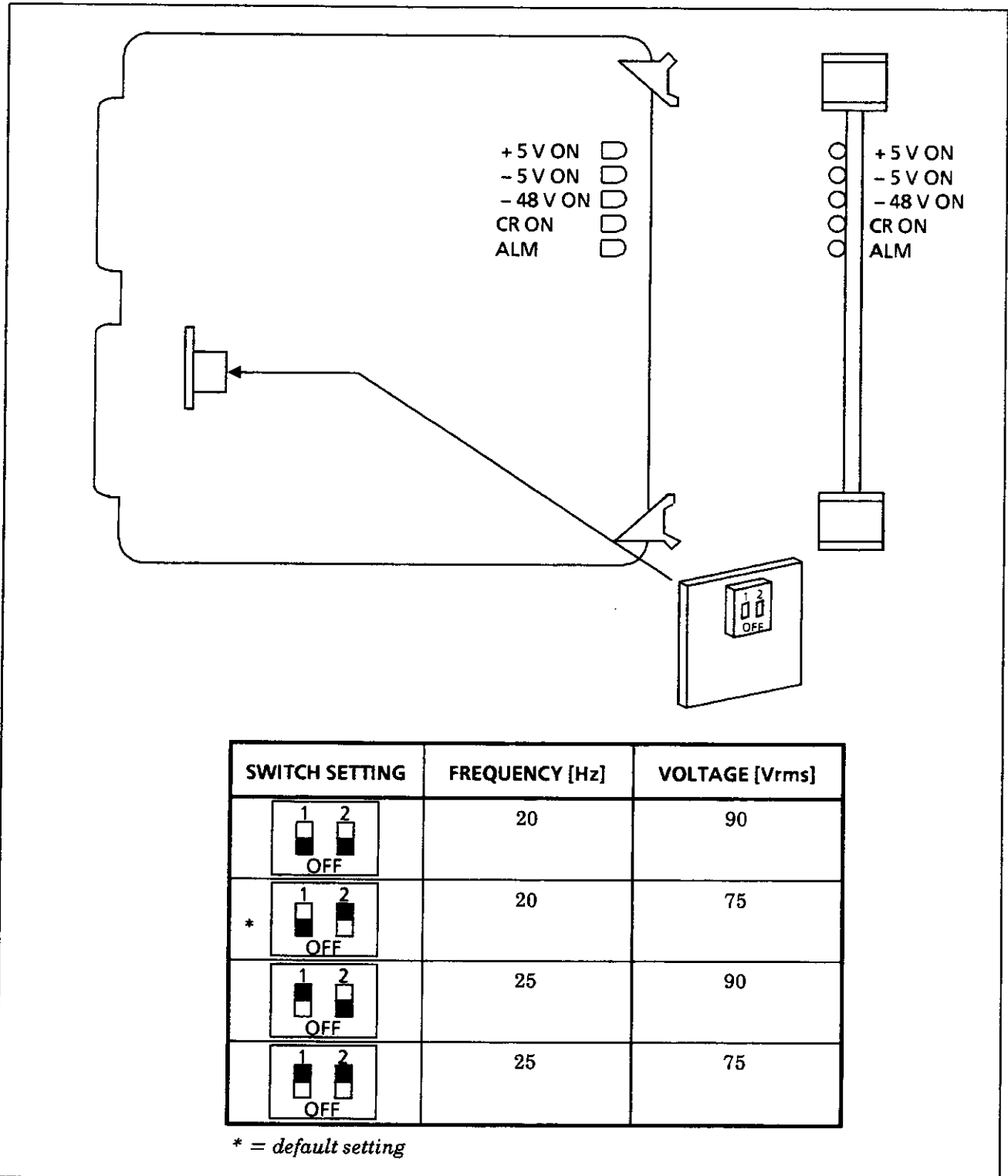
BCD-4317705-0386-02

SYMBOL	SPI
BOARD NAME	PJ-64SPA



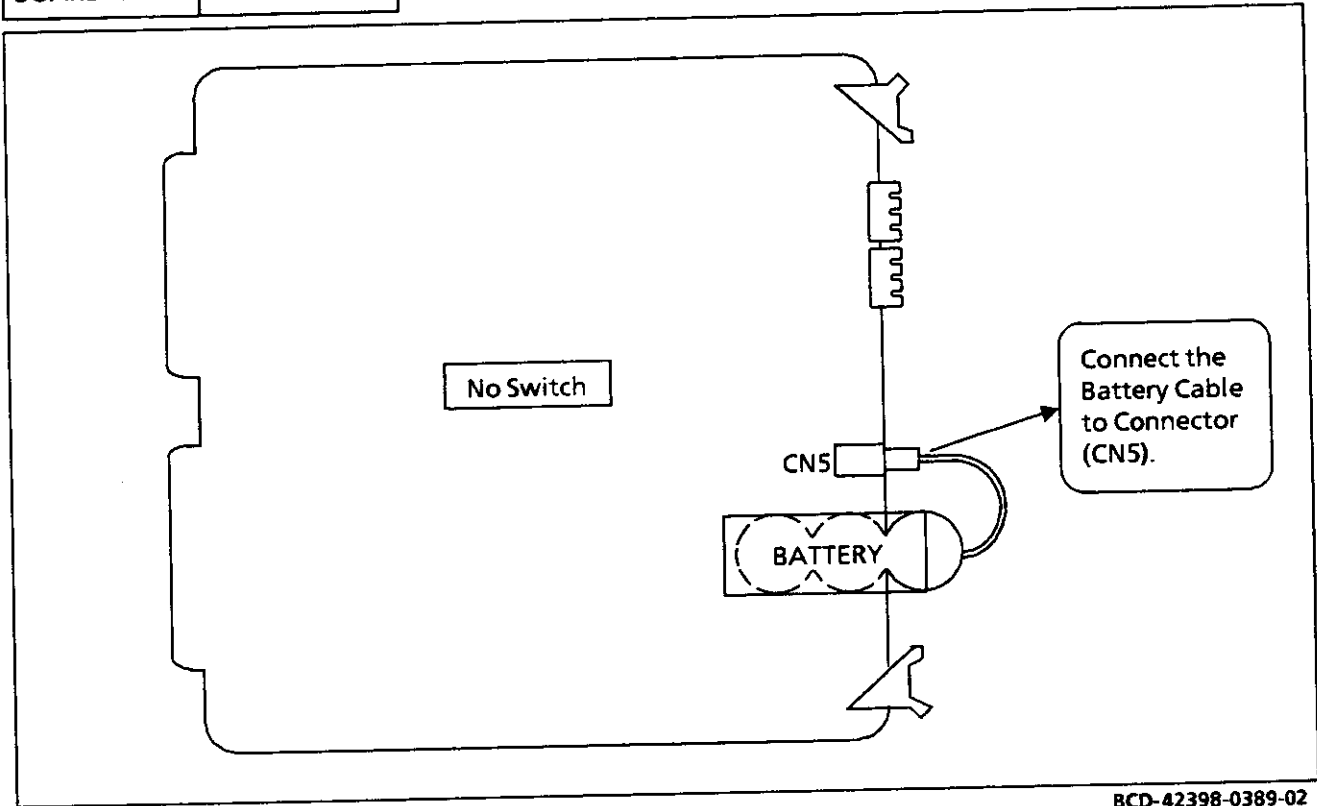
BCD-42317705-0387-01

SYMBOL	PWR
BOARD NAME	PJ-PW14



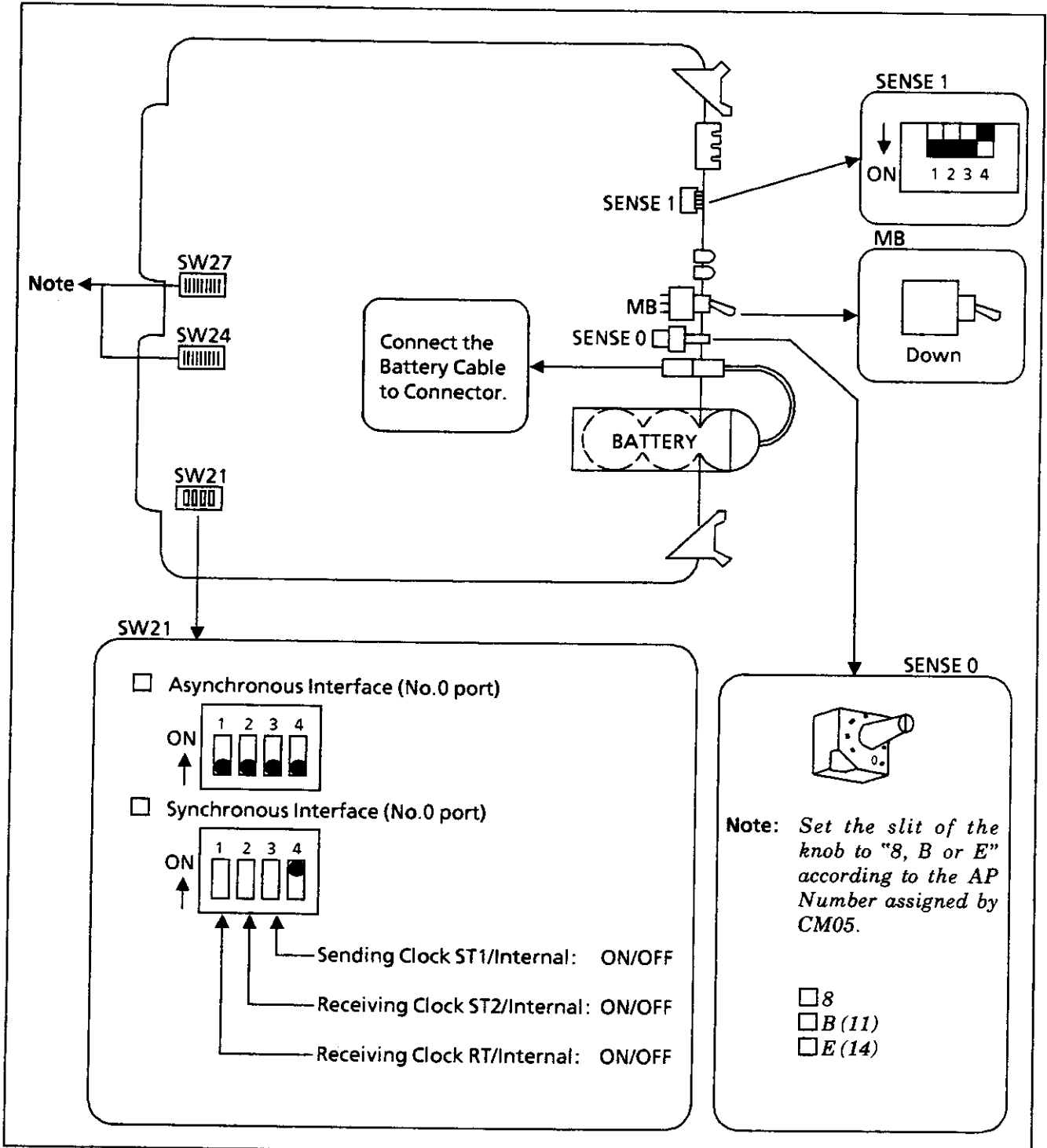
BCD-4317705-0388-01

SYMBOL	MEM
BOARD NAME	PJ-ME03



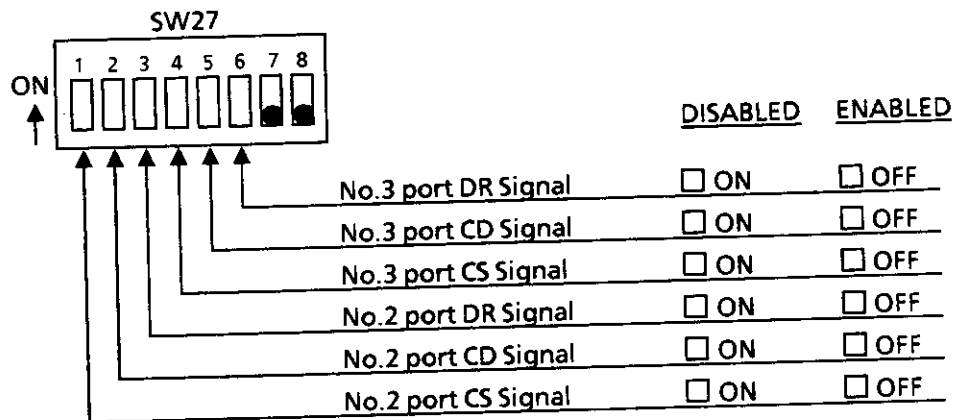
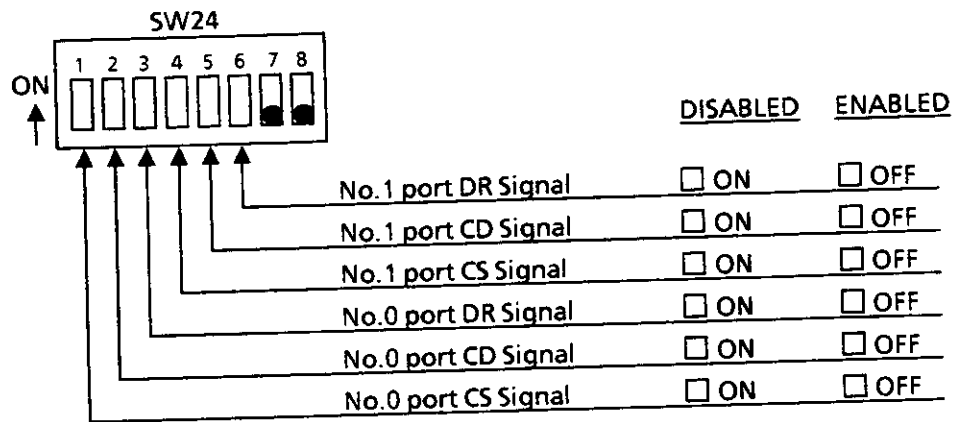
BCD-42398-0389-02

SYMBOL	AP0
BOARD NAME	PJ-AP00



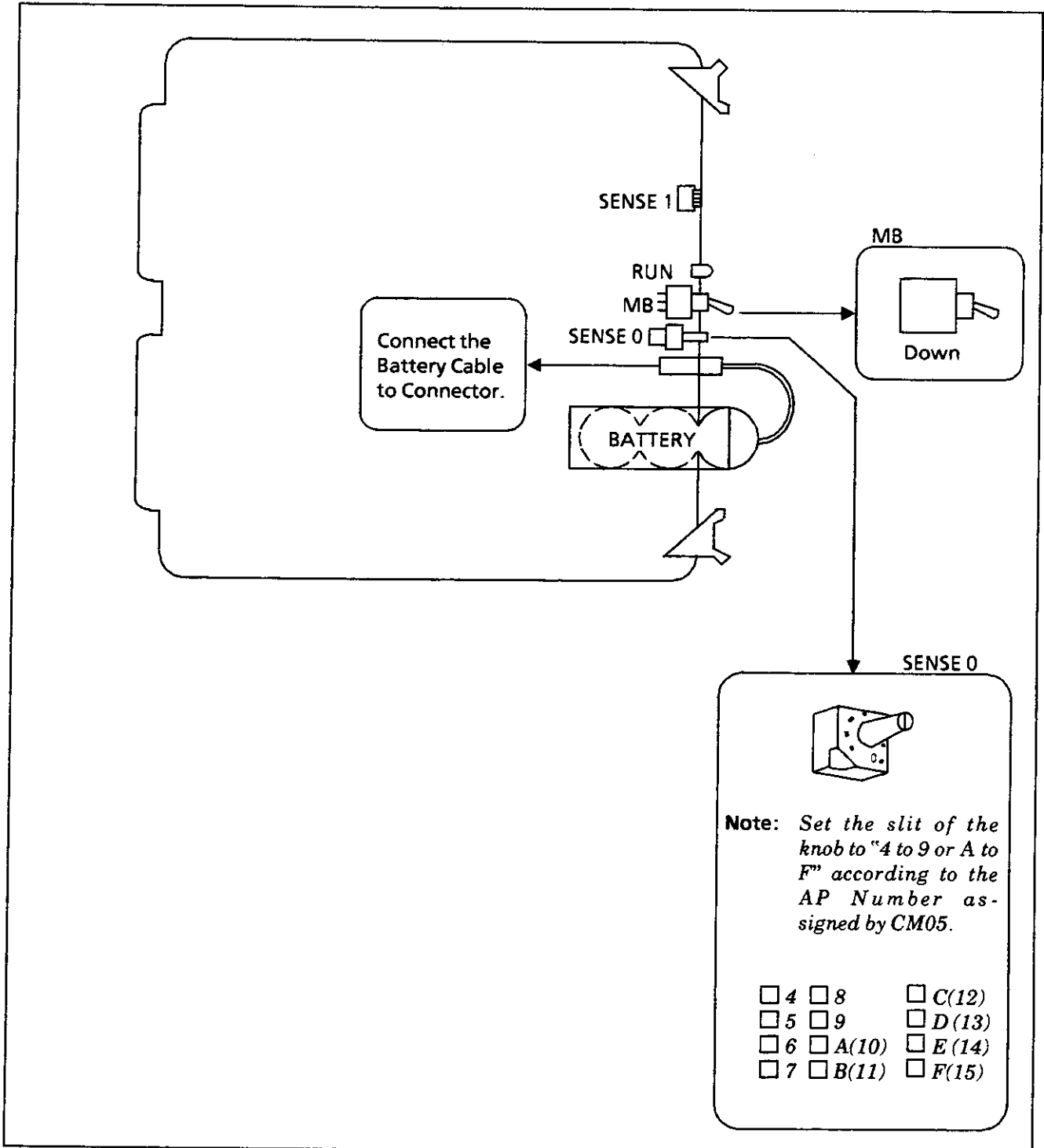
BCD-42317705-0390-01

Note: Set the switches according to the signaling condition of the Modems connected to each port.



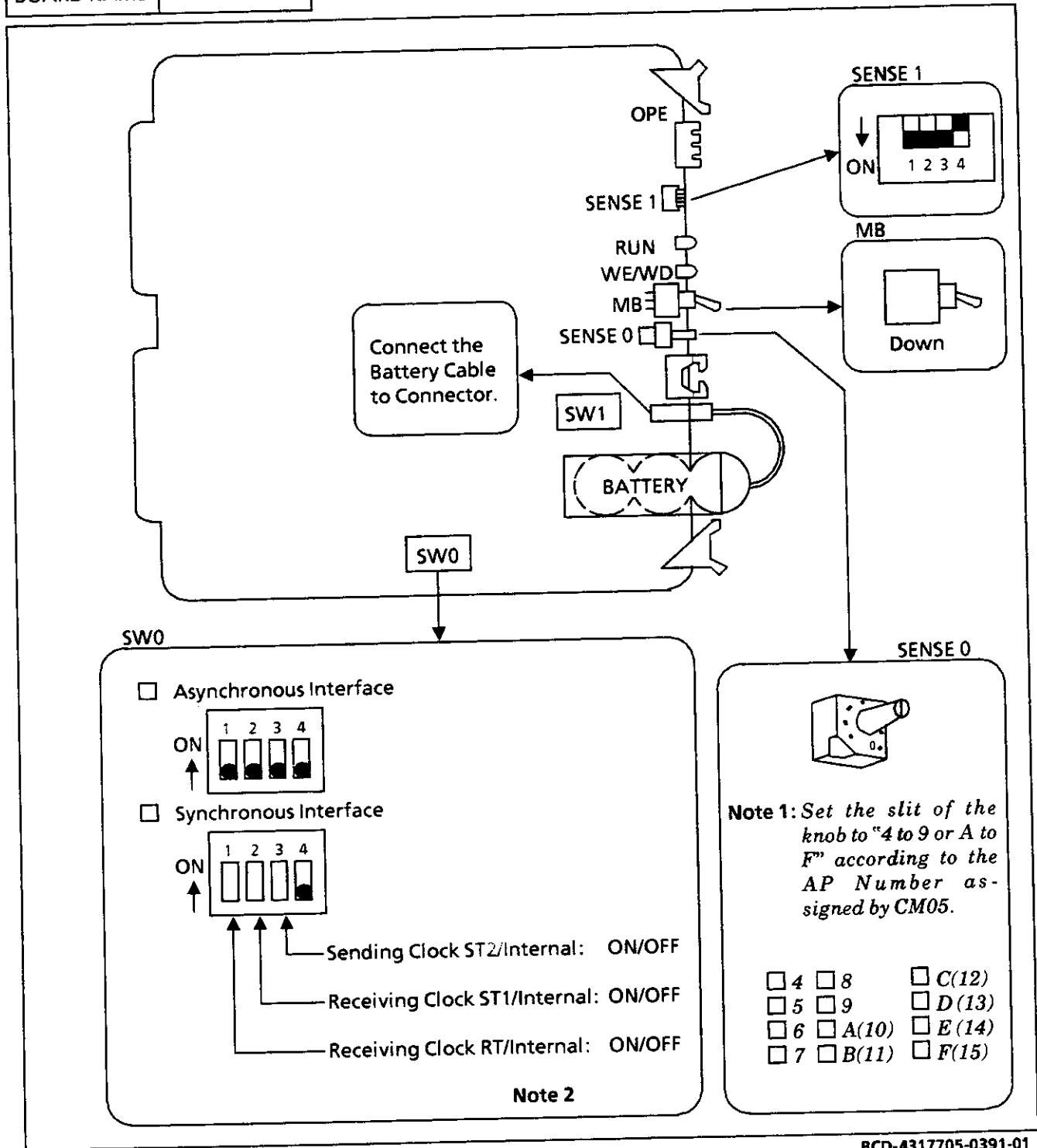
BCD-4317705-0391-02

SYMBOL	AP1
BOARD NAME	PJ-AP01

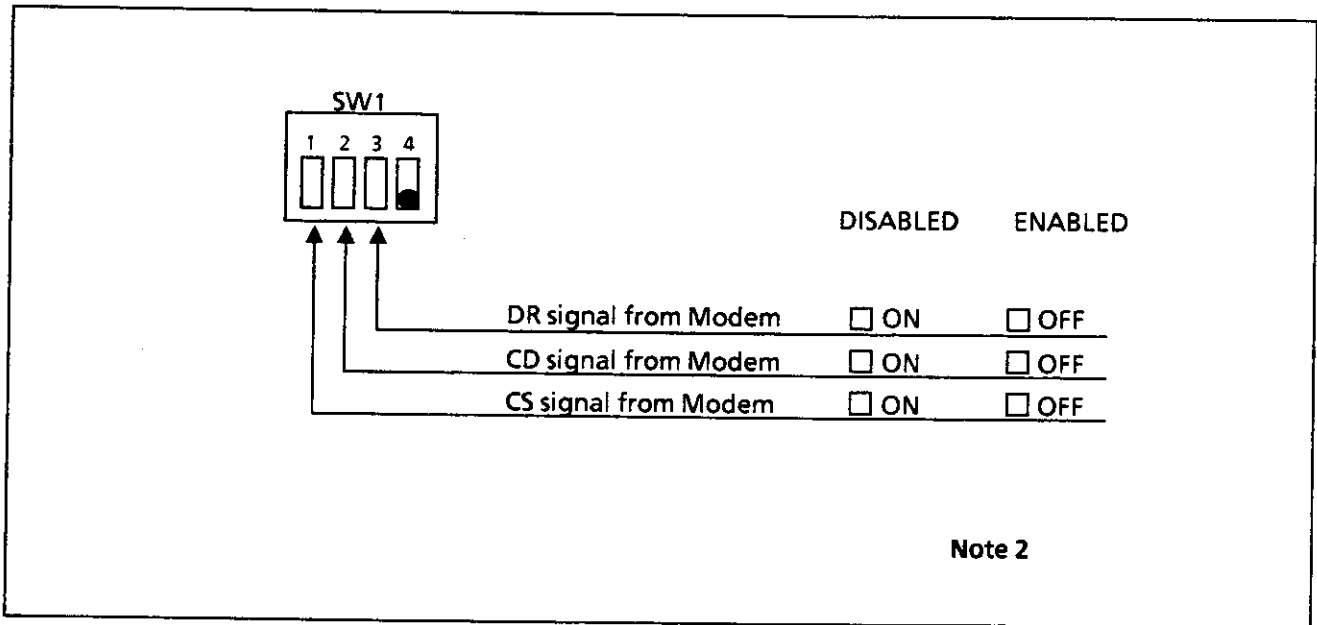


BCD-4317705-0134-01

SYMBOL	AP2
BOARD NAME	PJ-AP02



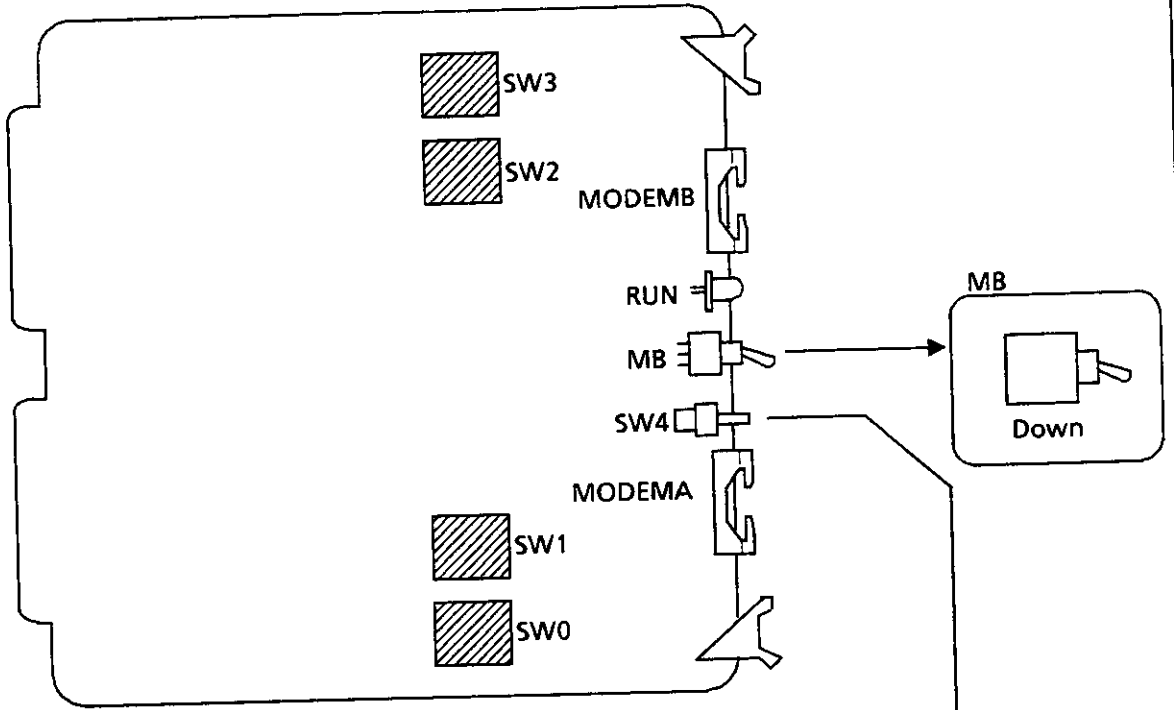
BCD-4317705-0391-01



BCD-4317705-0392-01

Note 2: Set the switches according to the signaling condition of the Modems connected to each port.

SYMBOL	MDT
BOARD NAME	PJ-4MDTA

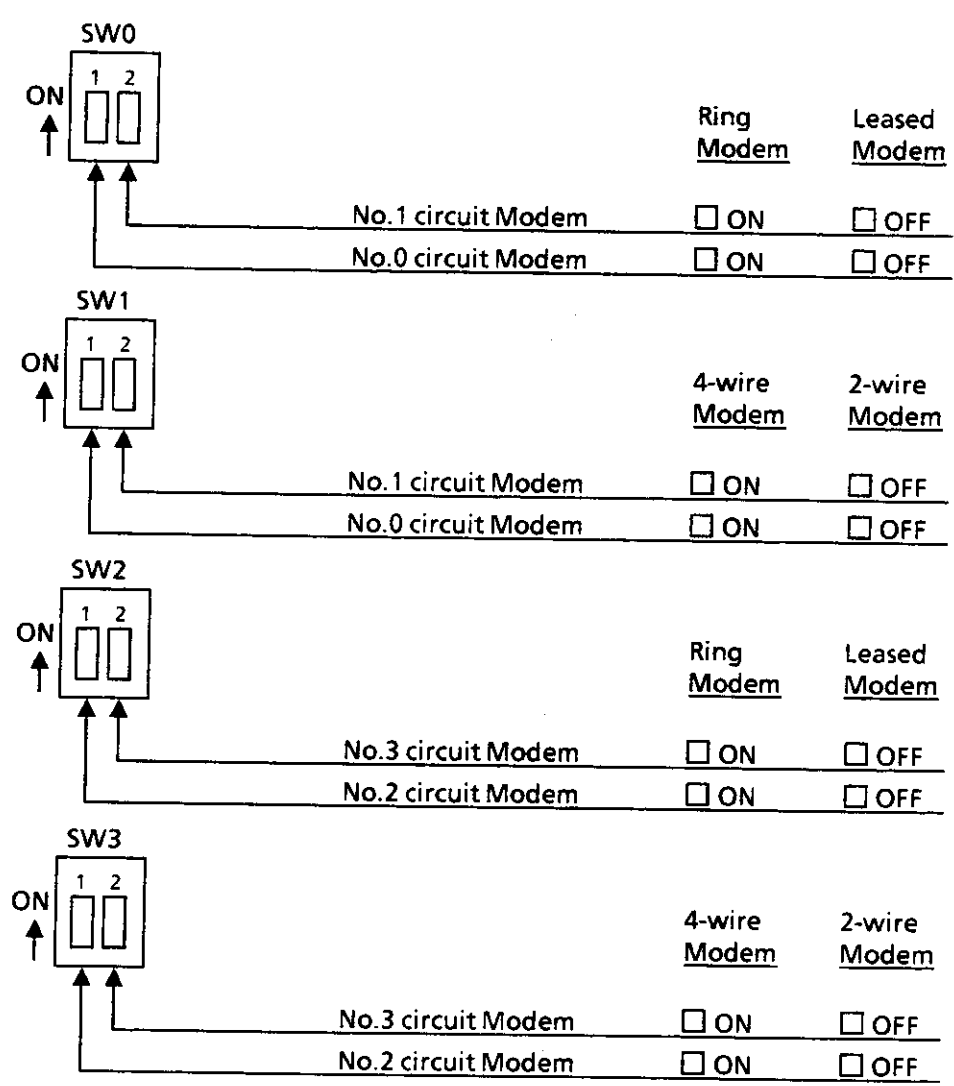


SENSE 0

Note 1: Set the slit of the knob to "4 to 9 or A to F" according to the AP Number assigned by CM05.

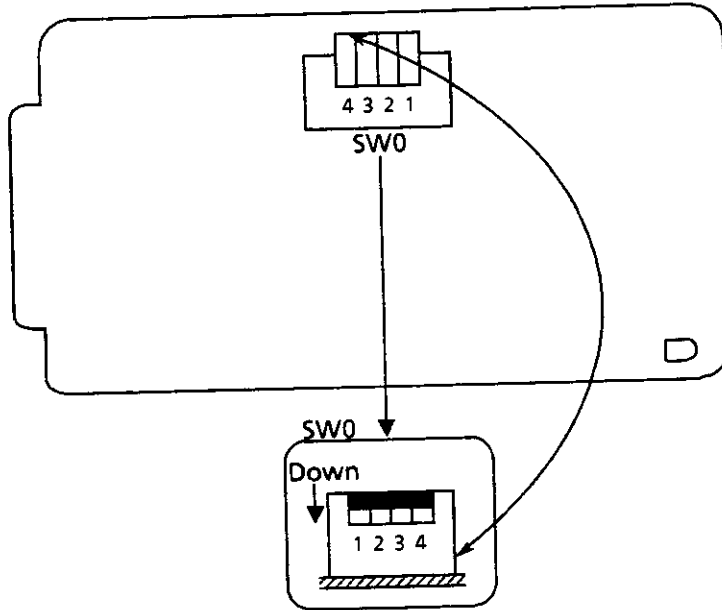
<input type="checkbox"/> 4	<input type="checkbox"/> 8	<input type="checkbox"/> C(12)
<input type="checkbox"/> 5	<input type="checkbox"/> 9	<input type="checkbox"/> D(13)
<input type="checkbox"/> 6	<input type="checkbox"/> A(10)	<input type="checkbox"/> E(14)
<input type="checkbox"/> 7	<input type="checkbox"/> B(11)	<input type="checkbox"/> F(15)

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Note 2: Set the switches according to the type of modems which are to be connected.

SYMBOL	ODT/EMT
CARD NAME	PK-ODTC // IODTE / 2EMTB



PK-ODTC	SIGNALING CONDITION ON M-LEAD		SETTING POSITION
<input type="checkbox"/>	Busy Condition → Ground Idle Condition → Open	Note 2	Up: SW0-1-4
<input type="checkbox"/>	Busy Condition → -48 V Idle Condition → Ground	Note 1	Down: SW0-1, 2 Up: SW0-3-4

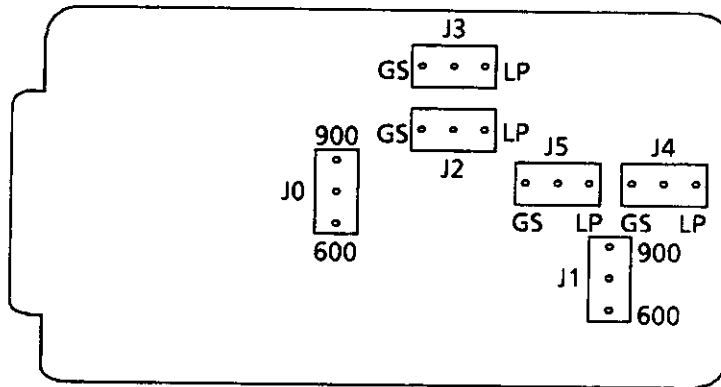
PK-2EMTB	SIGNALING CONDITION ON M-LEAD		SETTING POSITION
No.0 CKT	<input type="checkbox"/>	Busy Condition → Ground Idle Condition → Open	Note 2 Up: SW0-1, 2
	<input type="checkbox"/>	Busy Condition → -48 V Idle Condition → Open	Note 1 Down: SW0-1, 2
No.1 CKT	<input type="checkbox"/>	Busy Condition → Ground Idle Condition → Open	Note 2 Up: SW0-3, 4
	<input type="checkbox"/>	Busy Condition → -48 V Idle Condition → Ground	Note 1 Down: SW0-3, 4



Note 1: Bell type I E&M Interface.




Note 2: Bell type J E&M Interface.

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SYMBOL	COT
CARD NAME	PK-2COTG



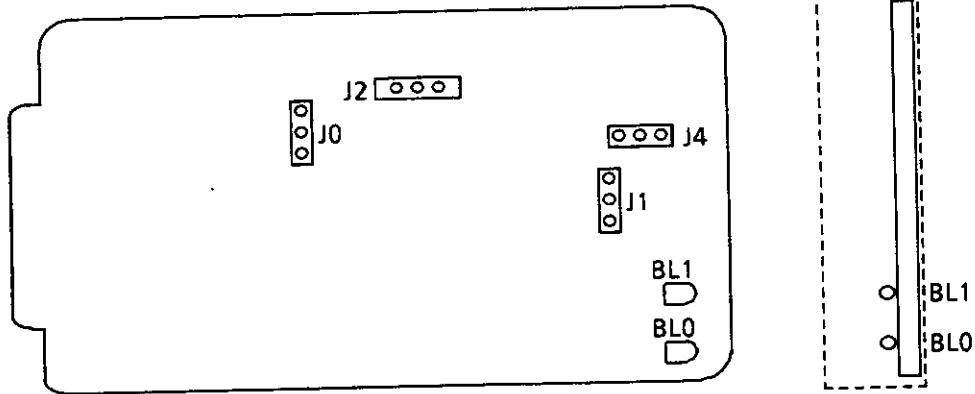
IMPEDANCE OF CENTRAL OFFICE	CKT0	CKT1	SETTING POSITION
	J0	J1	
600 Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900
900 Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900

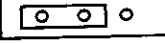

TYPE OF CENTRAL OFFICE	CKT0		CKT1		SETTING POSITION
	J2	J3	J4	J5	
Loop Start (LP)	<input type="checkbox"/>		<input type="checkbox"/>		GS  LP
Ground Start (GS/LP)	<input type="checkbox"/>	-	<input type="checkbox"/>	-	GS  LP
	-	<input type="checkbox"/>	-	<input type="checkbox"/>	GS  LP


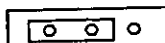
Note: If the PK-2COTG card does not have a J3 switch and a J5 switch, the card will operate correctly.

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SYMBOL	COTN
CARD NAME	PK-2COTN

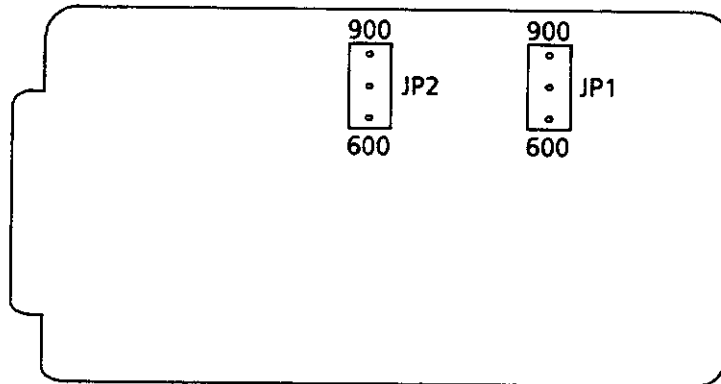




IMPEDANCE OF CENTRAL OFFICE	CKT0	CKT1	SETTING POSITION
	J0	J1	
600Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900
900Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900

TYPE OF CENTRAL OFFICE	CKT0	CKT1	SETTING POSITION
	J2	J4	
Loop Start (LP)	<input type="checkbox"/>	<input type="checkbox"/>	GS  LP
Ground Start (GS)	<input type="checkbox"/>	<input type="checkbox"/>	GS  LP

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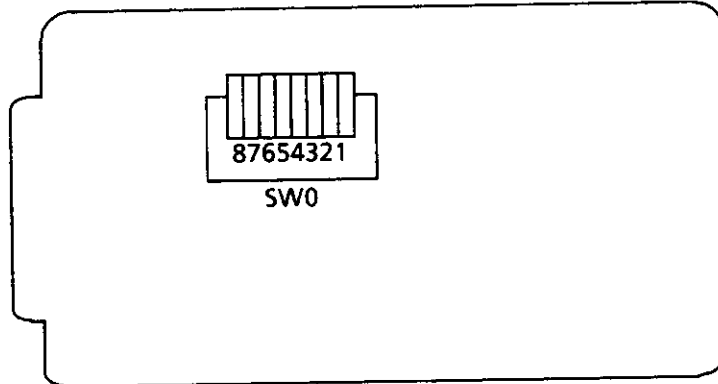
SYMBOL	DID
CARD NAME	PK-2DITD



IMPEDANCE OF CENTRAL OFFICE	CKT0	CKT1	SETTING POSITION
	J1	J2	
600 Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900
900 Ω	<input type="checkbox"/>	<input type="checkbox"/>	600  900

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SYMBOL	TNT
CARD NAME	PK-TNTC

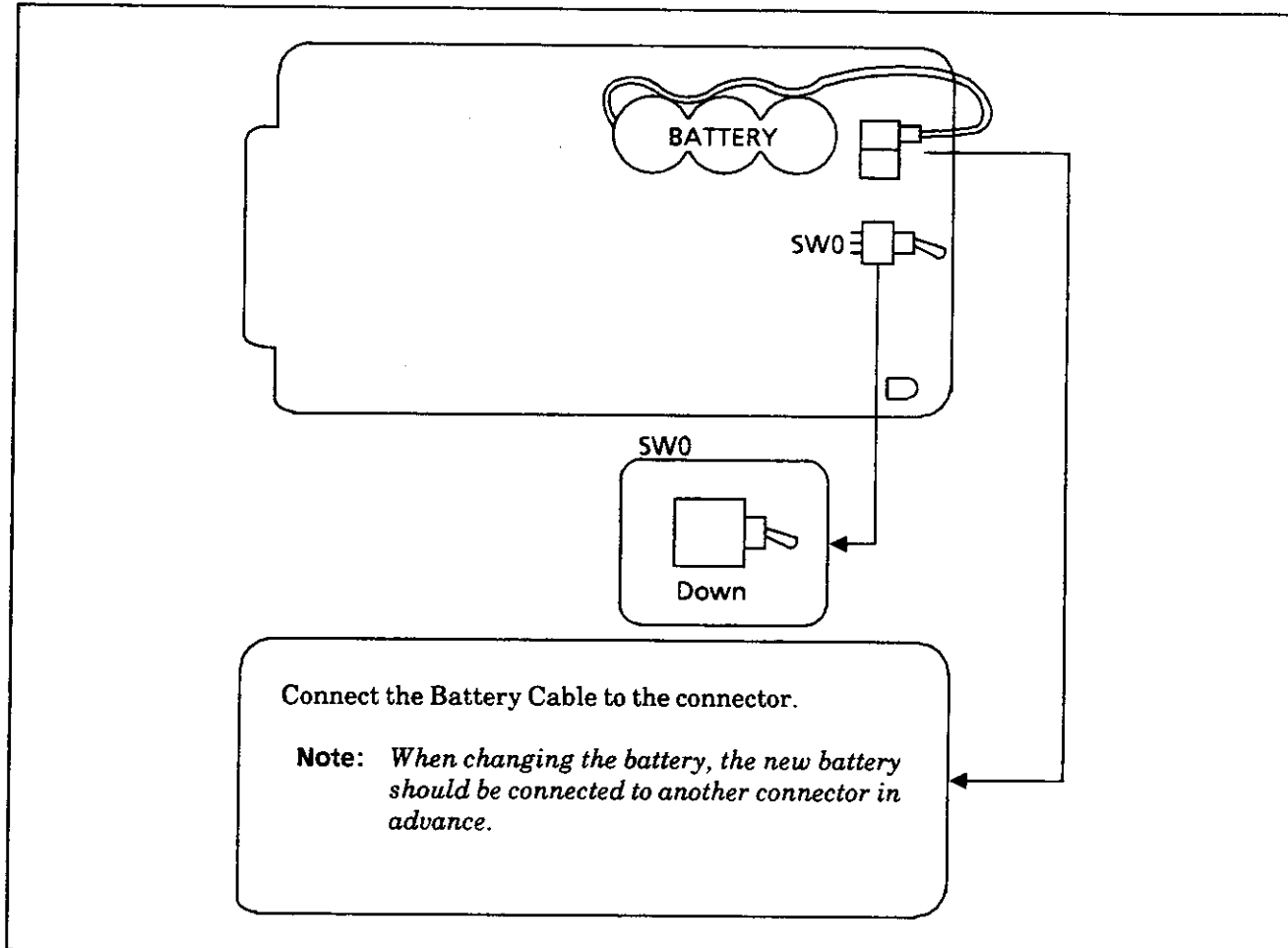


MUSIC SELECTION (only for CKT 0)	SWITCH SETTING	
	SW0 - 7	SW0 - 8
Internal Music Source	<input type="checkbox"/> OFF	<input type="checkbox"/> ON
External Tone Source	<input type="checkbox"/> ON	<input type="checkbox"/> OFF

OUTPUT LEVEL OF EXTERNAL TONE SOURCE	SWITCH SETTING					
	CKT0			CKT1		
	SW0 - 1	SW0 - 2	SW0 - 3	SW0 - 4	SW0 - 5	SW0 - 6
- 10 db	<input type="checkbox"/> ON	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> ON	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF
- 7 db	<input type="checkbox"/> OFF	<input type="checkbox"/> ON	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> ON	<input type="checkbox"/> OFF
- 4 db	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> ON	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> ON
- 1 db	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF	<input type="checkbox"/> OFF

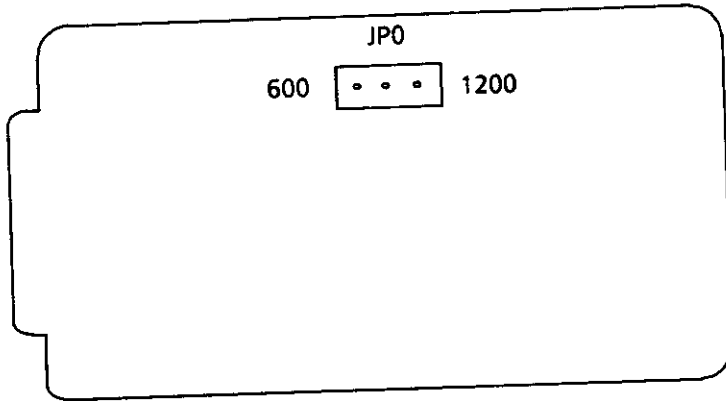
BCD-4317705-0399-01



SYMBOL	MEM
CARD NAME	PK-ME00/ME01



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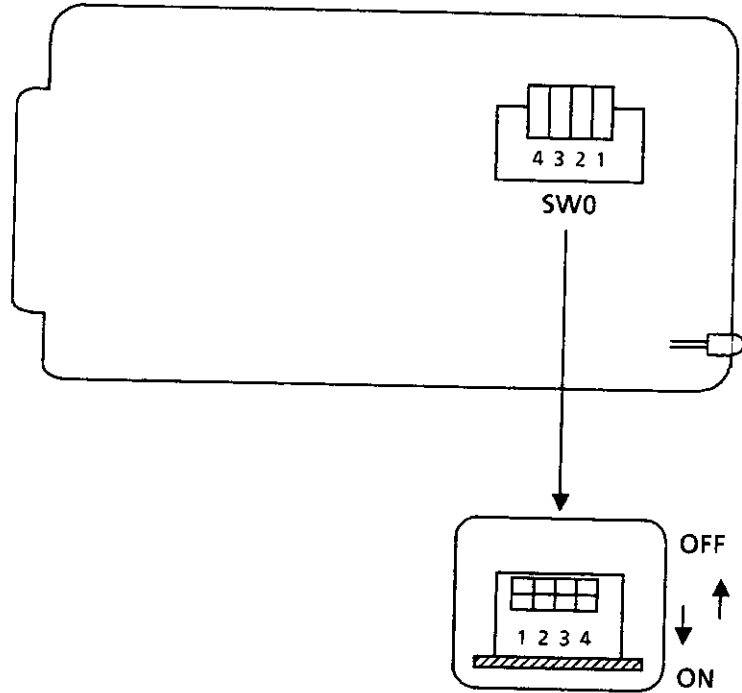
SYMBOL	LLC
CARD NAME	PK-LLCG



STATION LINE LOOP RESISTANCE	JP0	SETTING POSITION
0 - 600 Ω	<input type="checkbox"/>	600  1200
600 - 1200 Ω	<input type="checkbox"/>	600  1200

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SYMBOL	DTLA
CARD NAME	PK-DTLA



SWITCH NAME	FUNCTION NAME	USE
SW0-1	Make Busy	OFF: For placing this card in the service state. ON: For placing this card in the make busy state (to outgoing and incoming calls).
SW0-2	-	Not Used
SW0-3	-	Not Used
SW0-4	-	Not Used

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CHAPTER 7 RESIDENT SYSTEM PROGRAM

1. GENERAL

The NEAX1400 IMS generates System Data automatically according to the system hardware configuration, which provides immediate operation and shorter programming time. When activated, the system scans the hardware configuration (i.e. Line/Trunk card slot locations) 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 boards and Line/Trunk cards in the PIMs.

STEP 2: Set SW2-1, on the MP board, to "ON" (WE mode).

STEP 3: Set SW3, on the MP board, to "A".

STEP 4: Depress SW4, on the MP board.

STEP 5: Confirm that the MN lamp, on the MP board, is lit.

STEP 6: Set SW3, on the MP board, to "0".

STEP 7: Depress SW4, on the MP board.

STEP 8: Confirm that the RUN lamps on the MP board, FP boards and AP boards are flashing.

3. SERVICE CONDITIONS

- (1) This service is only applicable for equipment installed in PIM 0 and PIM 1.
- (2) Data for any vacant slot is not assigned.
- (3) Virtual stations are not assigned.
- (4) Multiple-tenant assignment is not provided; only Tenant 00 is assigned.
- (5) For those commands which are not described in Tables 7-1 through 7-14, the initial data is loaded by the Resident System Program.

- Board Assignment (CM05)
The following data is assigned for the FP boards.

Table 7-1 Board Assignment

CM05		REMARKS
SLOT NUMBER	DATA	
00	00	FP0 FP1
01	00	
02	15	Note 1 Note 2
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15	15	

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Note 1: *If an ATI board (PJ-CS00) is mounted in Slot 04 of PIM0, this data is set to "01".*

Note 2: *If an ATI board (PJ-CS00) is mounted in Slot 05 of PIM1, this data is set to "01".*

Note 3: *AP boards (PJ-AP00/AP01/AP02/MDT B/24DTB) are not assigned, even if mounted.*

- ATTCON Number Assignment (CM06)
The following data is assigned for HA-610Z
Attendant Consoles 0 – 3.

Table 7-2 HA-610Z ATTCON Number Assignment

CM06 YY = 01			REMARKS
ATT No.	SLOT No.	CIRCUIT No.	
0	04	0	For PIM0
1	04	1	
2	05	0	For PIM1
3	05	1	
4	NONE	NONE	
5	()	
6)	(
7	NONE	NONE	

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Note: SN610 ATTCONs are automatically assigned to ATTCON Numbers 4-7, if provided.

- Basic Features (CM08)
The following data is assigned on a per-feature basis.

◀ : Initial Data

Table 7-3 Basic Service Feature

CM 08											
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	069	1	137	1	178	1	233	1	282	1
014		076		138		179		234		283	
018		094		139		180		235		284	
021		095		142		181		236		286	
026		096		143		183		237		287	
028		101		146		185		238		293	
029		102		147		187		239		294	
032		103		148		199		240		311	
035		104		149		200		241		319	
036		110		150		201		244		322	
040		111		151		204		245		333	
043		112		153		205		246		334	
044		113		155		206		250		335	
045		115		156		207		251		352	
048		116		157		208		255		353	
050		119		158		212		259		357	
051		123		162		214		267		359	
055		124		163		215		268		361	
056		125		165		216		269		362	
057		128		168		217		270		363	
062		130		171		222		271		369	
063		133		172		227		279		373	
067		135		176		228		280		378	
068	1	136	1	177	1	232	1	281	1	390	
										391	
										394	1

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- 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 7-4 Station Number, Trunk Number, Card Number

CARD	PURPOSE	ASSIGNED DATA	REMARKS
PK-2LCF PK-2LCH PK-2LCP-A PK-2LLCC PK-LLCG	Single-Line Telephone	200 – 455	Station Numbers 200 through 455 for Single-Line Telephones and Multiline Terminals are assigned according to the sequential slot location number of the associated circuit card.
PK-2DLCA-A PK-2DLCC-A	Multiline Terminal	F200 – F455	
	SN610 ATTCON	E004 – E007	SN610 ATTCON Numbers E004 through E007 are assigned according to the sequential slot location number of the associated circuit card. Note
PK-2COTG PK-2COTN PK-2DITD PK-2DITE PK-ODTC PK-ODTE PK-2EMTB	Trunk	D000 – D255	This data is assigned to the "0" circuit of the card. Consecutive card numbers, beginning at "00", are assigned according to the sequential slot location number of the associated circuit cards.
PK-TNTC	External Hold Tone Interface	DA00	
PK-4RSTA	DTMF Receiver	E200 – E203 (PIM0) E204 – E207 (PIM1)	
PK-DK01	External Equipment Interface	E800 – E807 (PIM0) E808 – E815 (PIM1)	
PK-DK02	External Key Interface	E900 – E915 (PIM0) E916 – E931 (PIM1)	
PK-ME00	External Memory for AP00	EA00 – EA02	
PK-ME01	Voice Recording	EB000 – EB031 (PIM0) EB032 – EB063 (PIM1)	

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Note: If a Multiline Terminal, DSS Console, or SN610 ATTCON is not connected to the system, and the PK-2DLC card is mounted in the slot, the data (F200-F455) for an ETE-16D-2 Multiline Terminal is assigned.

Table 7-5 Station Class Data

◀ : Initial Data

CM10	CM12								CM13										
	YY								YY										
STATION or TRUNK or CARD No.	00	01		02		03	04	05	07	00	01	02	03	04	05	06	07	08	09
	0 /	D	N	A	B	00	00	0	00	0	0	0	0	0	0	0	0	0	0
	3	1	1	15	15	15	63	1	15	1	1	1	1	1	1	1	1	1	1
	3	1	1	15	15	15	00	1	15	1	1	1	1	1	1	1	1	1	1
200																			
201																			
202																			
.																			
.																			
.																			

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Table 7-5 Station Class Data (continued)

◀ : Initial Data

CM10	CM13								
	YY								
STATION or TRUNK or CARD No.	10	11	12	13	14	15	21	22	28
	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
200									
201									
202									
.									
.									
.									

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- Number Plan (CM20)
Access codes are assigned to the following features in Numbering Plan 0.

Table 7-6 Numbering Plan

CM 20			
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
	51	A31	
	52	A32	
	53	A33	
	54	A34	
	55	A38	Internal Zone Paging Group 0 Group 1 Group 2 Group 3 Group 4
	56	A39	
	57	A40	
	58	A41	
	59	A42	
	5*	024	Timed Reminder/Automatic Wake Up Set Cancel
	5#	025	
	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 Cancel
	7#	066	

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Table 7-6 Numbering Plan (Continued)

CM 20			
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
	*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-Destination Entry
	#7	019	Cancel
	*8	022	Do Not Disturb Set
	#8	023	Cancel
	*9	A48	Message Reminder Set
	#9	A49	Cancel
	**	069	Last Number Redial
	*#	085	Account Code Entry
	#*	064	Station Speed Dialing Origination
	##	067	System Speed Dialing Origination

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- Trunk Data (CM30)
The following data is assigned according to the type of trunk card.

Table 7-7 Trunk Data

◀ : Initial Data

CM30													
TYPE OF TRUNK CARD	YY												
	00	01	02	03	04	05	08	09	13	14	15	16	17
	00 } 63	00 } 63	00 } 31	00 } 31	X } XXXX EBXXX	X } XXXX EBXXX	0/1	01 } 62	00 } 15	00 } 15	00 } 15	00 } 15	00 } 15	00 } 63
	00	31	31			1		15	15	15	15	15	
PK-2COT	00	00	02	02	NONE	NONE	1	NONE	15	15	15	15	NONE
PK-2EMT	01	00	31	31	{	{	1	{	15	15	15	15	{
PK-ODT	02	00	31	31	}	}	1	}	15	15	15	15	}
PK-2DIT	03	00	31	31	NONE	NONE	1	NONE	15	15	15	15	NONE

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Table 7-7 Trunk Data (Continued)

◀ : Initial Data

CM30							
TYPE OF TRUNK CARD	YY						
	18	19	28	30	31	32	33
	0/1	XXXX	XX	00 } 15	00 } 15	00 } 15	00 } 15
	1			15	15	15	15
PK-2COT	1		NONE	15	15	15	15
PK-2EMT	1		{	15	15	15	15
PK-ODT	1		}	15	15	15	15
PK-2DIT	1		NONE	15	15	15	15

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Note: C.O. Line Numbers (YY=19) are assigned as follows.
1XXX
 ↳ Trunk Number (000-255)

- Trunk Route Data (CM35)
The following data is assigned on a trunk route basis.

Table 7-8 Trunk Route Data

CM35													
TRUNK ROUTE	NUMBER OF TRUNKS	ACCESS CODE	TRUNK KIND	YY									
				00	01	02	03	04	05	08	09	10	11
				00 }	0 }	0 }	00 }	0 }	0 /	1 }	00 }	0 /	0 }
				15	7	3	63	7	1	3	15	1	3
00		9	DDD	00	4	3	15	7	1	3	01	0	0
01		81	TIE (EMT)	04	4	3	15	2	1	3	03	1	3
02		82	TIE (ODT)	04	4	3	15	2	1	3	03	1	3
03		-	DID	00	4	1	00	2	1	3	03	0	3
04		83	FX	01	4	3	15	7	1	3	01	0	3
05		84	WATS	02	4	3	15	7	1	3	01	0	3
06		85	CCSA	03	4	3	15	2	1	3	03	0	3
07		86	PGT	05	4	3	15	7	0	3	15	0	3
08				15	7	3	15	7	1	3	15	1	3
09													
10													
11													
12													
13													
14													
15													
16													
				15	7	3	15	7	1	3	15	1	3

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Table 7-8 Trunk Route Data (Continued)

CM35														TRUNK ROUTE
YY														
12	13	14	15	16	17	18	19	20	21	23	24	25	26	
0	001	0	00	0	00	0	4	00	00	0	0	0	0	
}	}	/	}	/	}	/	}	}	}	}	}	/	/	
3	031	1	47	1	15	1	7	15	15	7	7	1	1	
3	NONE	1	NONE	1	15	1	7	02	15	7	7	1	1	00
3	|	0	|	|	|	|	|	00	|	|	|	|	|	01
3	|	0	|	|	|	|	|	00	|	|	|	|	|	02
3	|	1	|	|	|	|	|	00	|	|	|	|	|	03
3	|	1	|	|	|	|	|	02	|	|	|	|	|	04
3	|	1	|	|	|	|	|	02	|	|	|	|	|	05
3	|	0	|	|	|	|	|	00	|	|	|	|	|	06
3	NONE	0	NONE	1	15	1	7	15	15	7	7	1	1	07
3														08
														09
														10
														11
														12
														13
														14
														15
														16
1	NONE	1	NONE	1	15	1	7	15	15	7	7	1	1	

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Table 7-8 Trunk Route Data (Continued)

CM35																	
TRUNK ROUTE	YY																
	28	33	34	40	44	45	46	49	51	52	53	54	55	56	57	58	
	0 / 1	0 / 3	0 / 3	00 / 31	00 / 99	0 / 7	0 / 7	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1	0 / 1
00	1	3	3	NONE	NONE	7	7	1	1	1	1	1	1	1	1	1	1
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
	1	3	3	NONE	NONE	7	7	1	1	1	1	1	1	1	1	1	1

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Table 7-8 Trunk Route Data (Continued)

◀: Initial Data

CM35																	TRUNK ROUTE
YY																	
61	62	63	64	65	66	67	68	69	70	71	72	73	74	76	83	86	
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	00 / 15	0 / 1	0 / 1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	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	15	1	1	

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- Attendant Group, Functions (CM60)

The following data is assigned to provisioned ATTCONs.

CM60	
ATTCON Number	YY-00
X	0

:ATT Group 0

- Tenants for each ATT Group (CM62)

The following data is assigned to ATTCONs within ATT Group 0.

CM62	
Tenant Number	Y = 0 (ATT Group 0)
00	0
01	1
02	1
03	1
}	}
63	1

: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 00.

Table 7-9 Memory Allocation for System Speed Dialing

CM71		
KIND OF CALLING PARTY	DATA	
	1ST MEMORY SLOT No. (000 – 299)	QUANTITY OF SLOTS (001 – 300)
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		

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- Memory Allocation for Station Speed Dialing [CM73]
Ten (10) Memory Slots for Station Speed Dialing are assigned for each Single-Line Telephone and Multiline Terminal [without One-Touch Key(ETE-6-2/ETE-16-2)], individually.

Table 7-10 Memory Allocation for Station Speed Dialing

CM73					REMARKS
TYPE OF TERMINAL	SETTING DATA				
	1000 SLOTS MEMORY BLOCK (0 - 4)	FIRST 10-SLOT MEMORY BLOCK (00 - 99)	PROGRAM FACILITY (0/1)	QUANTITY OF 10-SLOT MEMORY BLOCKS (01 - 10)	
Single-Line Phone	0	XX	0	01	} Ten Memory Slots
Multiline Terminal (ETE-6-2TEL)	0	XX	0	01	
Multiline Terminal (ETE-16-2TEL)	0	XX	0	01	

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Note 1: *The memory allocation by CM73 is not performed for the Multiline Terminals (ETE-6D-2TEL, ETE-16D-2TEL).*

Note 2: *If a Multiline Terminal is not connected to the system, though the PK-2DLC card is mounted in the slot, the data for a Multiline Terminal (ETE-16D-2TEL) is assigned.*

- Toll Restriction Development Table [CM8A]
The following data is assigned for Area Code Development Pattern Number 0.

Table 7-11 Toll Restriction Development Table

CM8A			
YYY	1ST DATA	2ND DATA	
400	0	905	
}	200	903	
	201	}	
	202		
	203		
	204		
	205		
	206		
	207		
	208		
	209		
	210		903
	211		902
	212		903
	213		}
	214		
	215		
	216		
	217		
	218		
219	903		
	22	901	
	}	}	
400	29	901	

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CM8A			
YYY	1ST DATA	2ND DATA	
400	300	903	
}	301	}	
	302		
	303		
	304		
	305		
	306		
	307		
	308		
	309		
	310		903
	311		902
	312		903
	313		}
	314		
	315		
	316		
	317		
	318		
	319		
	32	901	
	}	}	
400	39	901	

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Table 7-11 Toll Restriction Development Table (Continued)

CM8A		
YYY	1ST DATA	2ND DATA
400	400	903
	401	
	402	
	403	
	404	
	405	
	406	
	407	
	408	
	409	
	410	903
	411	902
	412	903
	413	
	414	
	415	
	416	
	417	
	418	
	419	903
	42	901
	}	}
400	49	901

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CM8A		
YYY	1ST DATA	2ND DATA
400	500	903
	501	
	502	
	503	
	504	
	505	
	506	
	507	
	508	
	509	
	510	903
	511	902
	512	903
	513	
	514	
	515	
	516	
	517	
	518	
	519	903
	52	901
	}	}
400	59	901

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Table 7-11 Toll Restriction Development Table (Continued)

CM8A		
YYY	1ST DATA	2ND DATA
400	600	903
	601	
	602	
	603	
	604	
	605	
	606	
	607	
	608	
	609	
	610	903
	611	902
	612	903
	613	
	614	
	615	
	616	
	617	
	618	
	619	903
	62	901
	}	}
400	69	901

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CM8A		
YYY	1ST DATA	2ND DATA
400	700	903
	701	
	702	
	703	
	704	
	705	
	706	
	707	
	708	
	709	
	710	903
	711	902
	712	903
	713	
	714	
	715	
	716	
	717	
	718	
	719	903
	72	901
	}	}
400	79	901

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Table 7-11 Toll Restriction Development Table (Continued)

CM8A		
YYY	1ST DATA	2ND DATA
400	1200	903
	1201	
	1202	
	1203	
	1204	
	1205	
	1206	
	1207	
	1208	
	1209	
	1210	903
	1211	902
	1212	903
	1213	
	1214	
	1215	
	1216	
	1217	
	1218	
	1219	903
	122	901
	}	}
400	129	901

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CM8A		
YYY	1ST DATA	2ND DATA
400	1300	903
	1301	
	1302	
	1303	
	1304	
	1305	
	1306	
	1307	
	1308	
	1309	
	1310	903
	1311	902
	1312	903
	1313	
	1314	
	1315	
	1316	
	1317	
	1318	
	1319	903
	132	901
	}	}
400	139	901

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Table 7-11 Toll Restriction Development Table (Continued)

CM8A		
YYY	1ST DATA	2ND DATA
400	1400	903
	1401	
	1402	
	1403	
	1404	
	1405	
	1406	
	1407	
	1408	
	1409	
	1410	903
	1411	902
	1412	903
	1413	
	1414	
	1415	
	1416	
	1417	
	1418	
	1419	903
	142	901
	}	}
400	149	901

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CM8A		
YYY	1ST DATA	2ND DATA
400	1500	903
	1501	
	1502	
	1503	
	1504	
	1505	
	1506	
	1507	
	1508	
	1509	
	1510	903
	1511	902
	1512	903
	1513	
	1514	
	1515	
	1516	
	1517	
	1518	
	1519	903
	152	901
	}	}
400	159	901

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Table 7-11 Toll Restriction Development Table (Continued)

CM8A		
YYY	1ST DATA	2ND DATA
400	1600	903
	1601	
	1602	
	1603	
	1604	
	1605	
	1606	
	1607	
	1608	
	1609	
	1610	903
	1611	902
	1612	903
	1613	
	1614	
	1615	
	1616	
	1617	
	1618	
	1619	903
	162	901
	}	}
400	169	901

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CM8A		
YYY	1ST DATA	2ND DATA
400	1700	903
	1701	
	1702	
	1703	
	1704	
	1705	
	1706	
	1707	
	1708	
	1709	
	1710	903
	1711	902
	1712	903
	1713	
	1714	
	1715	
	1716	
	1717	
	1718	
	1719	903
	172	901
	}	}
400	179	901

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- **Multiline Terminal Line Key Data [CM90]**
The following data is assigned according to the type of terminal (see Table 7-12).

Table 7-12 Multiline Terminal Line Key Data

◀: Initial Data

CM90															
PRIMARY EXT. NO. KEY NO.	YY =00	YY =01	YY =03	YY =00	YY =01	YY =03	YY =00	YY =01	YY =03	YY =00	YY =01	YY =03	YY =00	YY =01	YY =03
	01	DXXX	1	1	DXXX	1	1	DXXX	1	1	DXXX	1	1		
02															
03															
04															
05							DXXX			DXXX					
06							XXX	1	1	XXX	1	1			
07															
08															
09															
10															
11															
12															
13															
14															
15	DXXX			DXXX											
16	XXX	1	1	XXX	1	1									
		1	1		1	1		1	1		1	1		1	1

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ETE-16D-2TEL ETE-16-2TEL ETE-6D-2TEL ETE-6-2TEL

- Note 1:** DXXX represents C.O. Trunk Number (D000 – D255) and this data is consecutively assigned on Line Keys beginning at "01".
- Note 2:** XXX represents a Primary Extension Number (200 – 455).
- Note 3:** If the Multiline Terminal is not connected to the system, though the PK-2DLC card is mounted in the slot, the data for Multiline Terminal (ETE-16D-2TEL) is assigned.

- Prime Line [CM93]
As shown in the following table, Primary Extension Numbers are assigned to Prime Lines for all Multiline Terminals.

Table 7-13 Prime Line

CM93		REMARKS
PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)	STATION NO. or TRUNK NO. (1 - 4 DIGITS)	
XXX	XXX) Note

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Note: XXX represents a Primary Extension Number (200 - 455).

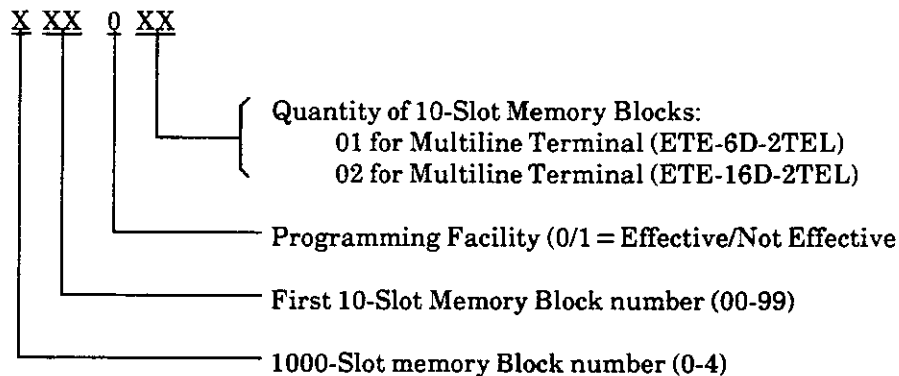
- Memory Allocation for Multiline Terminal One-Touch Memory [CM94]
The following data is assigned on a per-Multiline Terminal, with DSS key, basis.

Table 7-14 Memory Allocation for One-Touch Key

CM94		REMARKS
PRIMARY EXTENSION NUMBER (1 - 4 DIGITS)	SETTING DATA (6 DIGITS)	
XXX	XXX0XX) Note 1

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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 PK-2DLC card is mounted in the slot, the data for the Multiline Terminal (ETE-16D-2TEL) is assigned.

