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NEAX[®] 2000 IVS

Feature Programming Manual

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| ADDENDUM-001 | | | | ADDENDUM-002 | | | | ADDENDUM-003 | | | | ADDENDUM-004 | | | | | |
| DATE | JULY, 1998 | | | DATE | JANUARY, 1999 | | | DATE | | | | DATE | | | | | |
| ADDENDUM-005 | | | | ADDENDUM-006 | | | | ADDENDUM-007 | | | | ADDENDUM-008 | | | | | |
| DATE | | | | DATE | | | | DATE | | | | DATE | | | | | |
| NEAX2000 IVS Feature Programming Manual | | | | | | | | | | | | | | | | Addendum Revision Sheet 7/7 | |
| | | | | | | | | | | | | | | | | ND-45670 (E) ISSUE 2 | |

NEAX2000 IVS Feature Programming Manual

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This page is for your notes.

CHAPTER 1 INTRODUCTION

1. PURPOSE

This manual provides the information necessary for programming each service feature provided by the NEAX2000 IVS (PBX).

This manual can be used for the following purposes:

- Service feature addition or deletion
- Troubleshooting
- Training for operation and maintenance

2. OUTLINE OF THE MANUAL

This manual provides a description of each service feature containing the procedures for installation and programming. For the outline of the function, the operating procedure and the service conditions of each service feature, refer to FEATURES AND SPECIFICATIONS. IF A FEATURE REQUIRES NO PROGRAMMING, IT WILL NOT BE INCLUDED IN THIS MANUAL. A list of these features is located at the end of the Table of Contents.

This manual covers the service features provided by voice communication system without any Application Processors (AP), and provided by data communication system via the Multiline Terminal with data adapter. For the other service features, refer to the individual manuals listed below.

- SMDR System Manual
- Hotel System Manual
- PMS System Manual
- DTI System Manual
- No.7 CCIS System Manual
- OAI System Manual
- ACD-MIS System Manual
- Maintenance Manual
- D^{term} Series III Data Adapter Operation Manual
- Data Communication Command Guide

For a detailed description of each command, refer to the following manual.

- Command Manual

INTRODUCTION

3. MULTILINE TERMINAL/SN610 ATTCON/SN716 DESKCON/DSS CONSOLE/ADD-ON MODULE KEY ASSIGNMENT

Figures 1-1 through 1-5 show the key number of each Multiline Terminal, SN610 ATTCON, SN716 DESKCON, DSS Console and Add-On Module. Refer to this section when performing a key assignment by CM90 or CM97 in FEATURE PROGRAMMING.

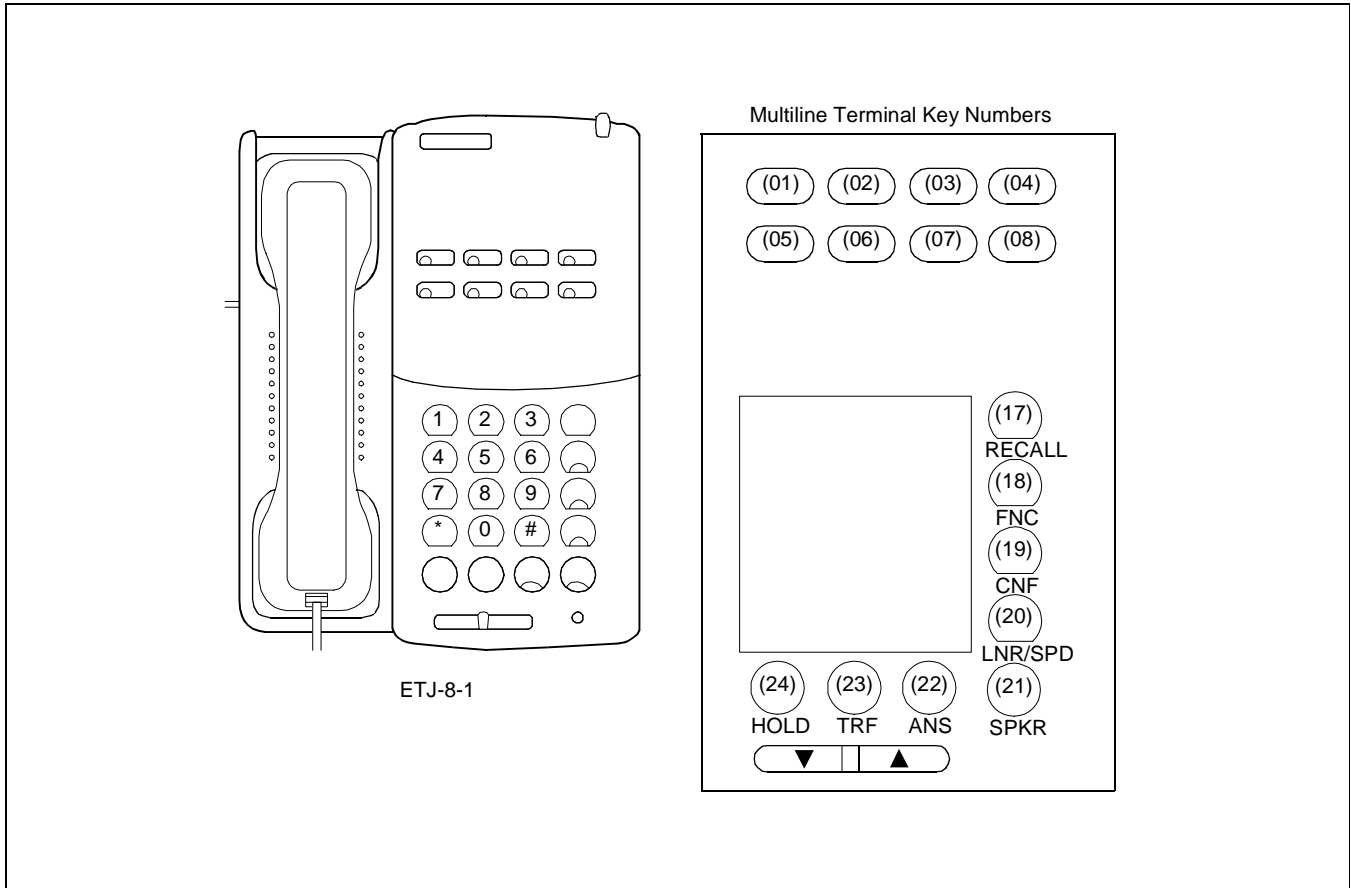


Figure 1-1 Multiline Terminal Key Numbers

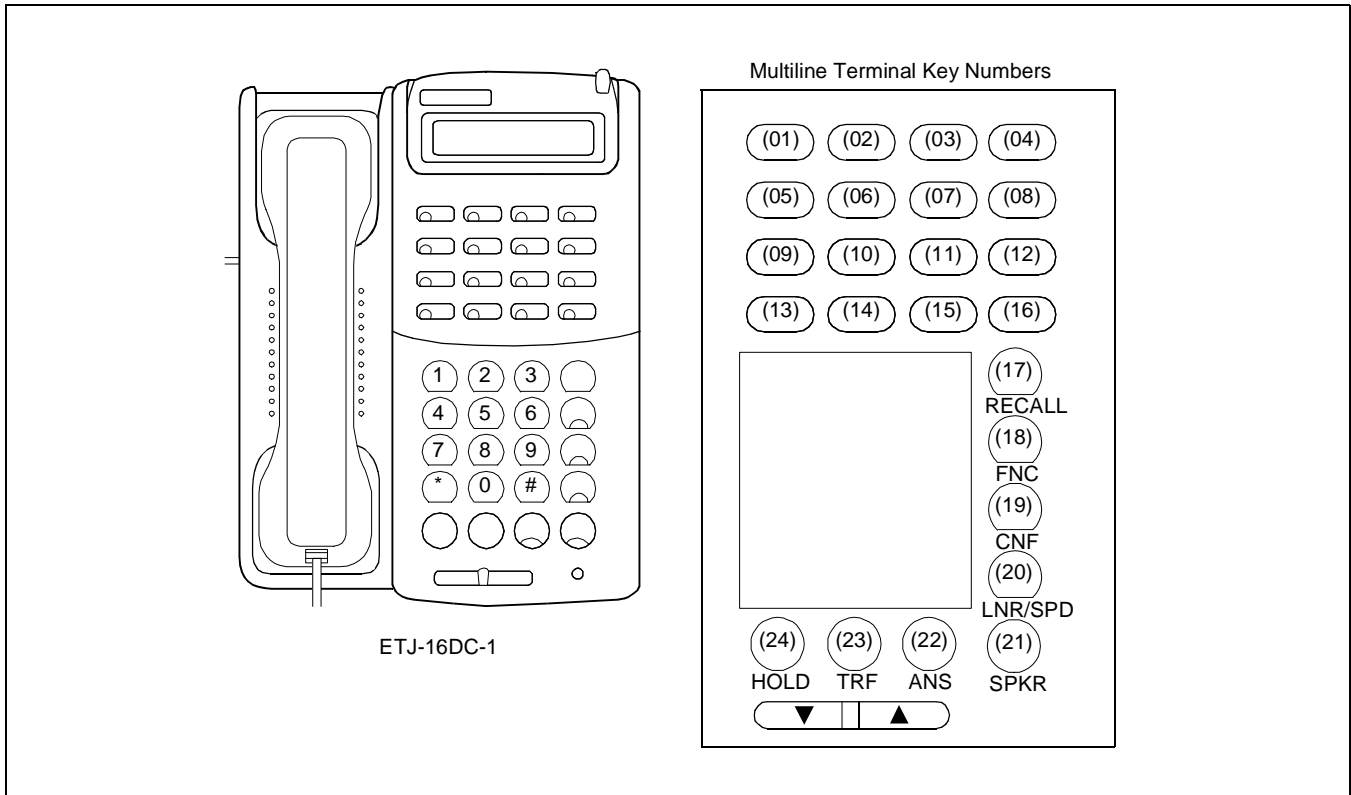


Figure 1-1 Multiline Terminal Key Numbers (Continued)

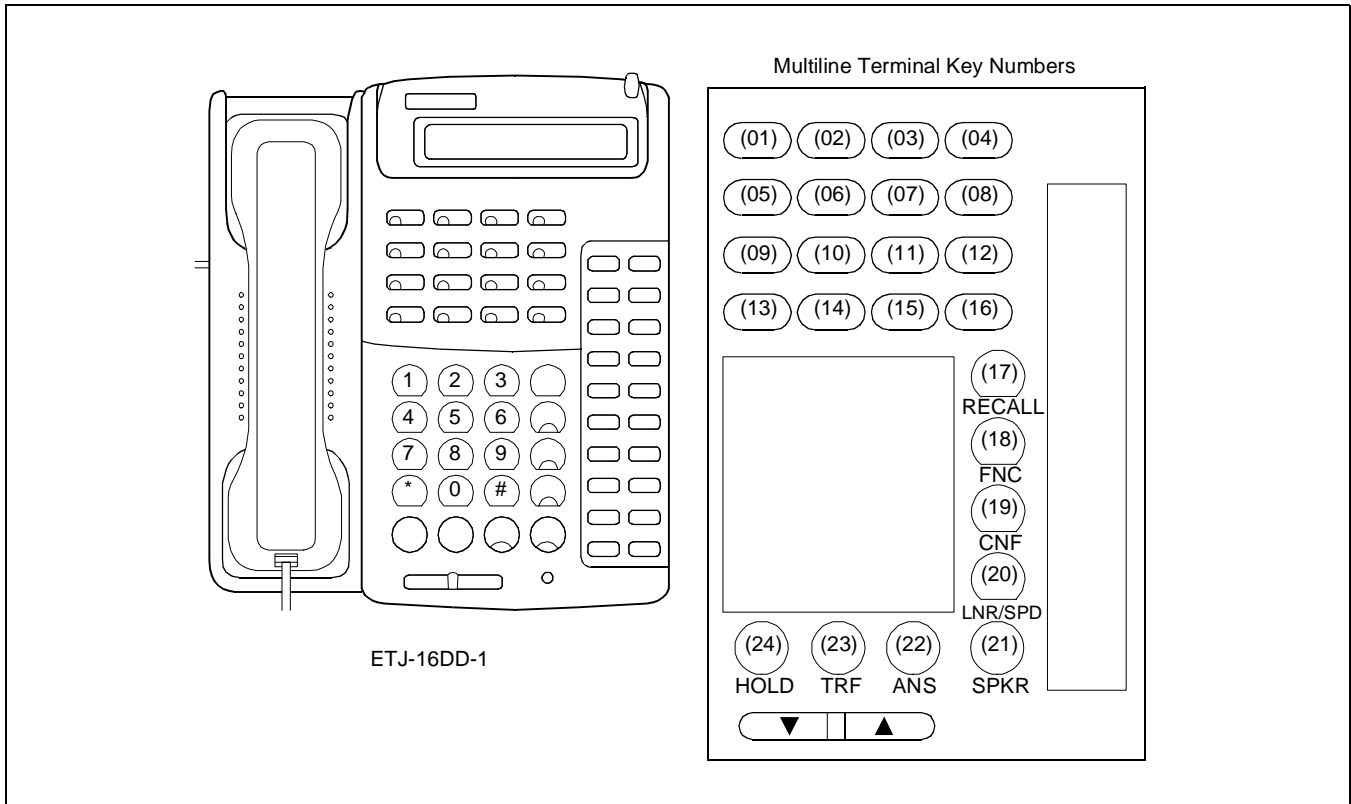


Figure 1-1 Multiline Terminal Key Numbers (Continued)

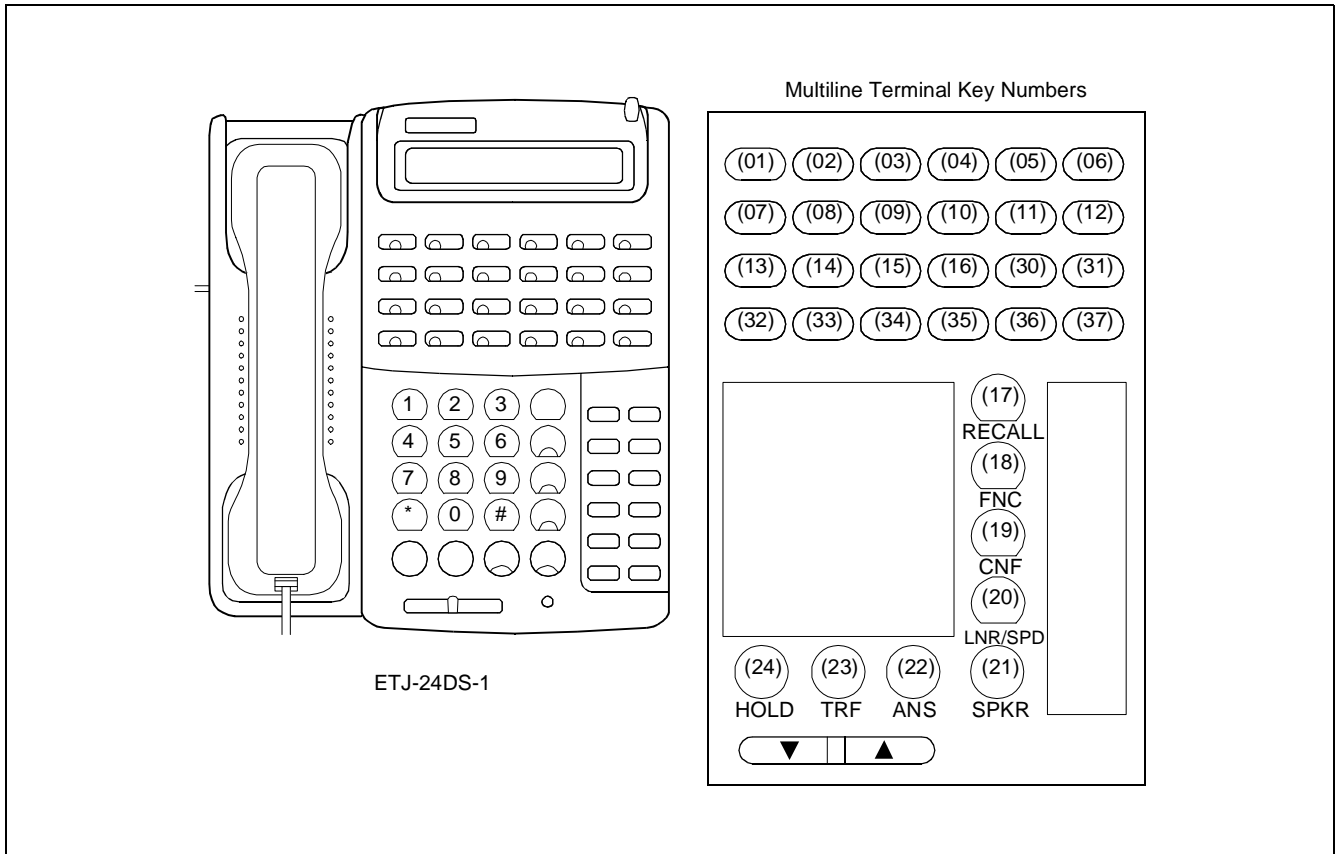


Figure 1-1 Multiline Terminal Key Numbers (Continued)

Note: Key numbers 30 through 37 require Add-On Module key assignment. (For details, see “Proprietary Multiline Terminal” feature in Chapter 2).

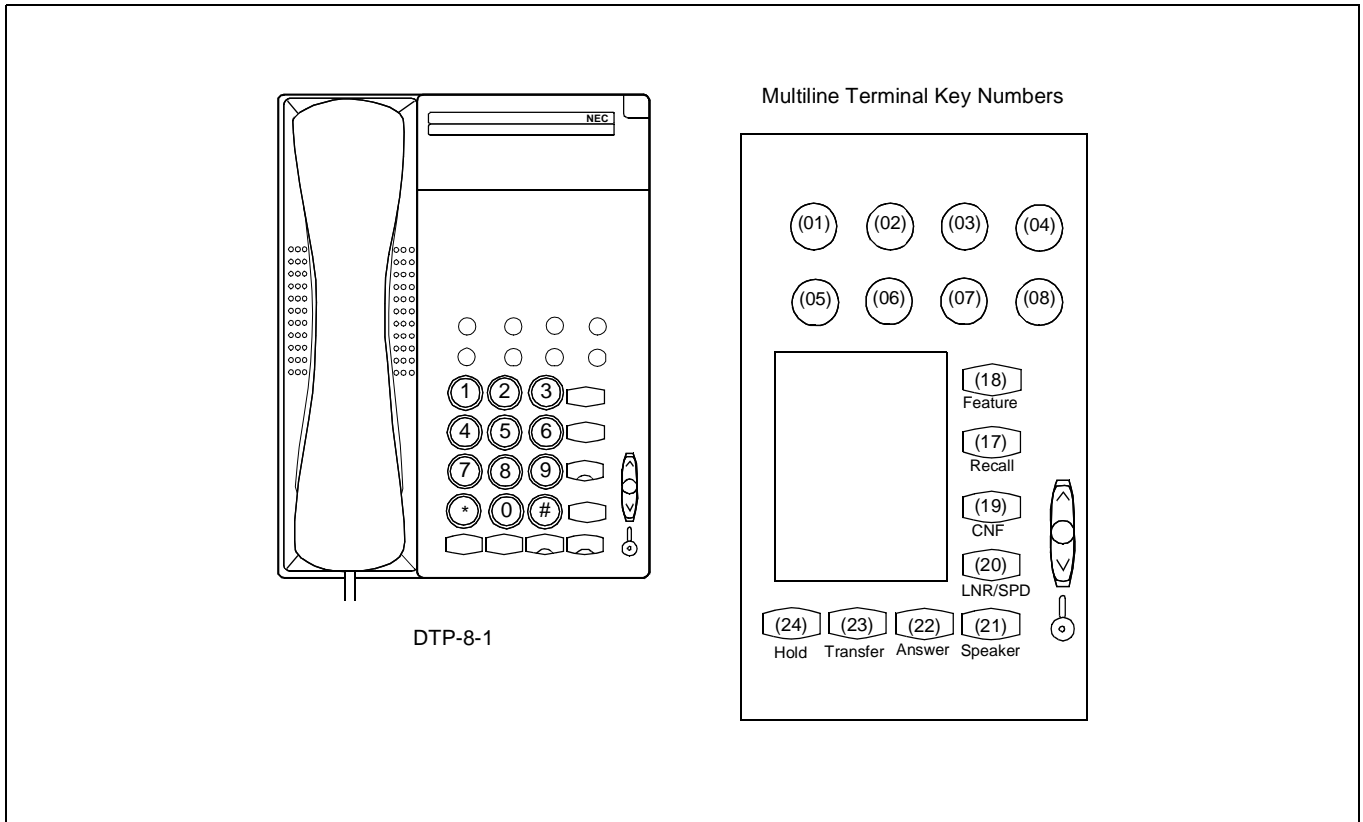


Figure 1-1 Multiline Terminal Key Numbers (Continued)

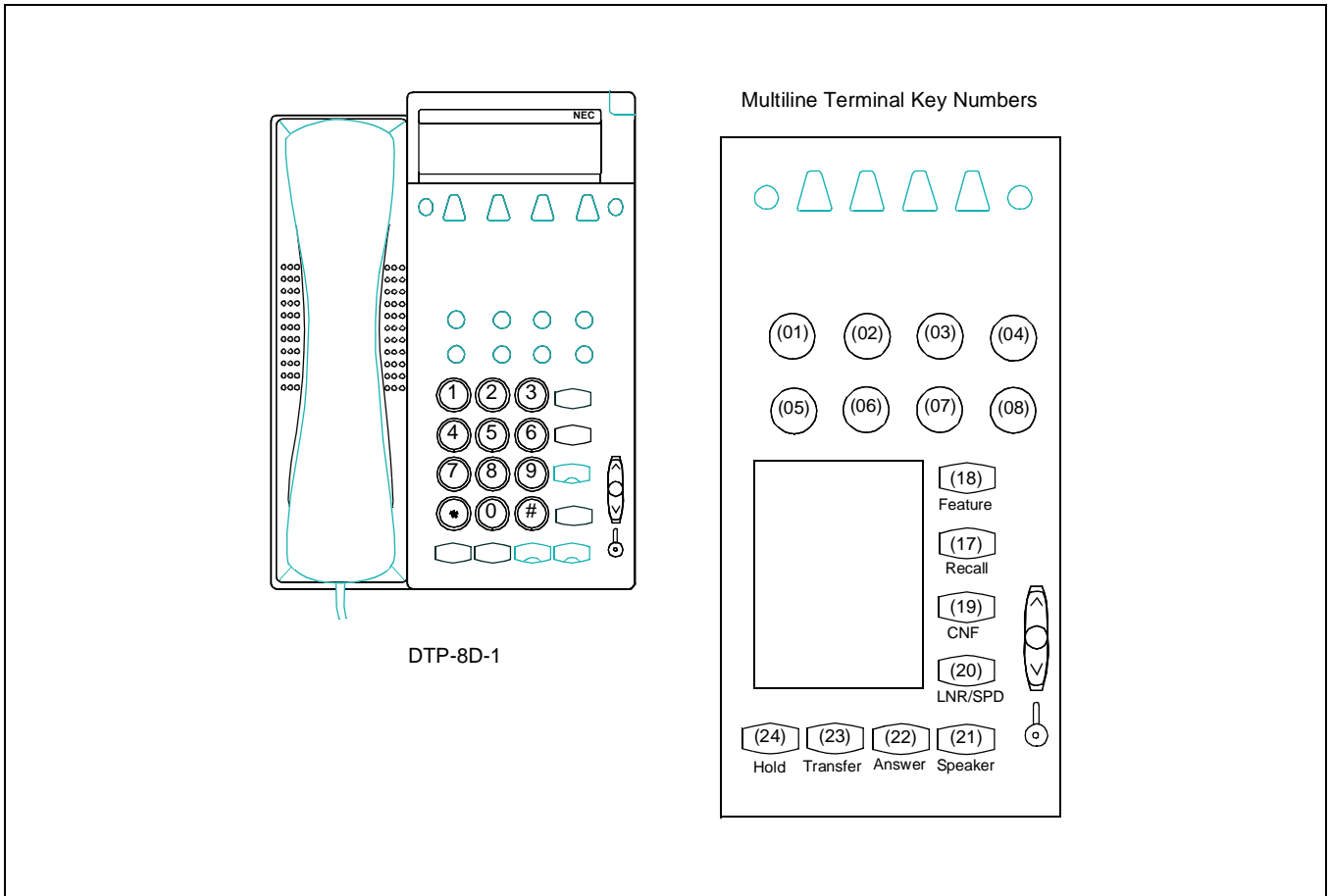


Figure 1-1 Multiline Terminal Key Numbers (Continued)

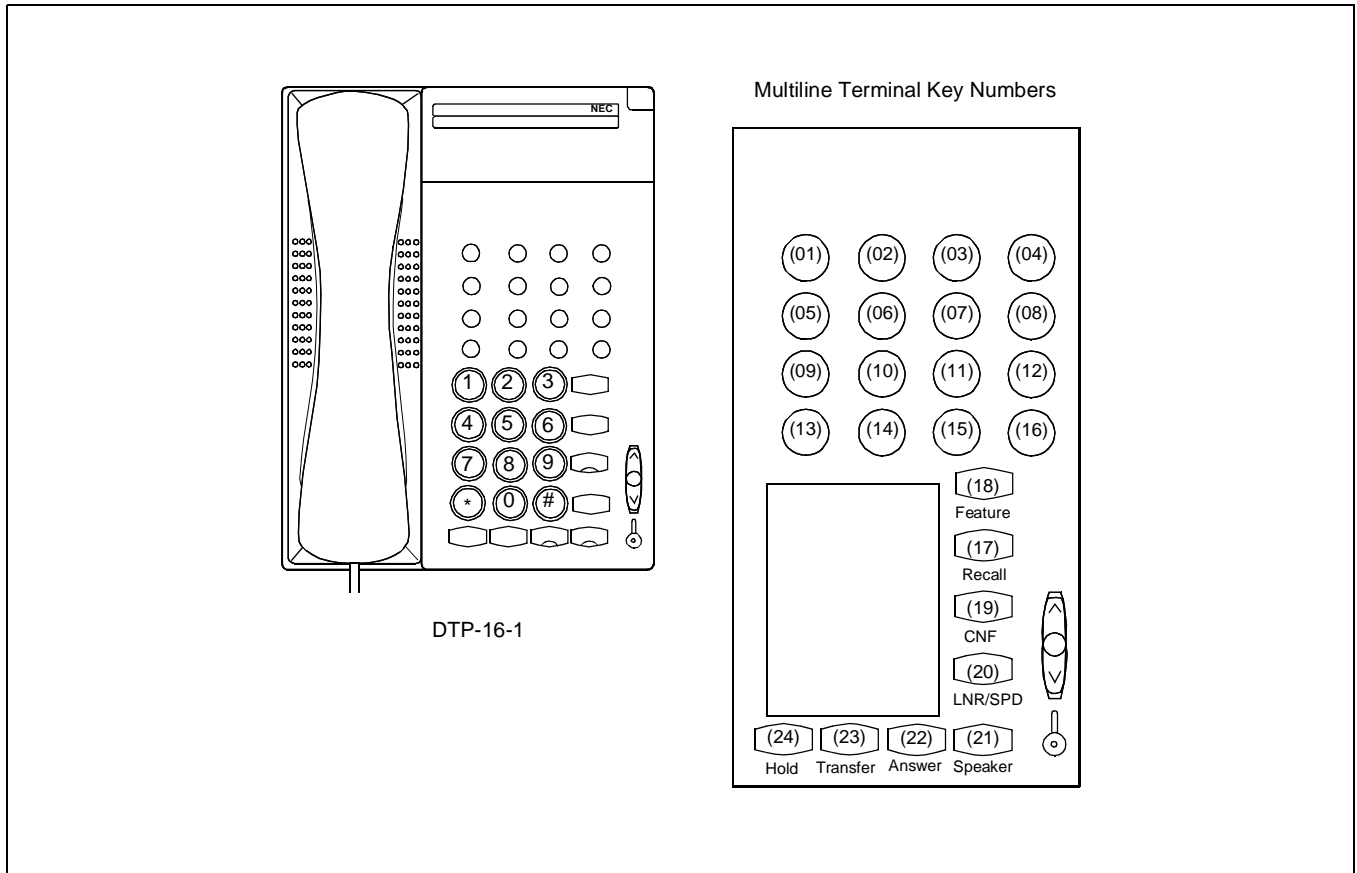


Figure 1-1 Multiline Terminal Key Numbers (Continued)

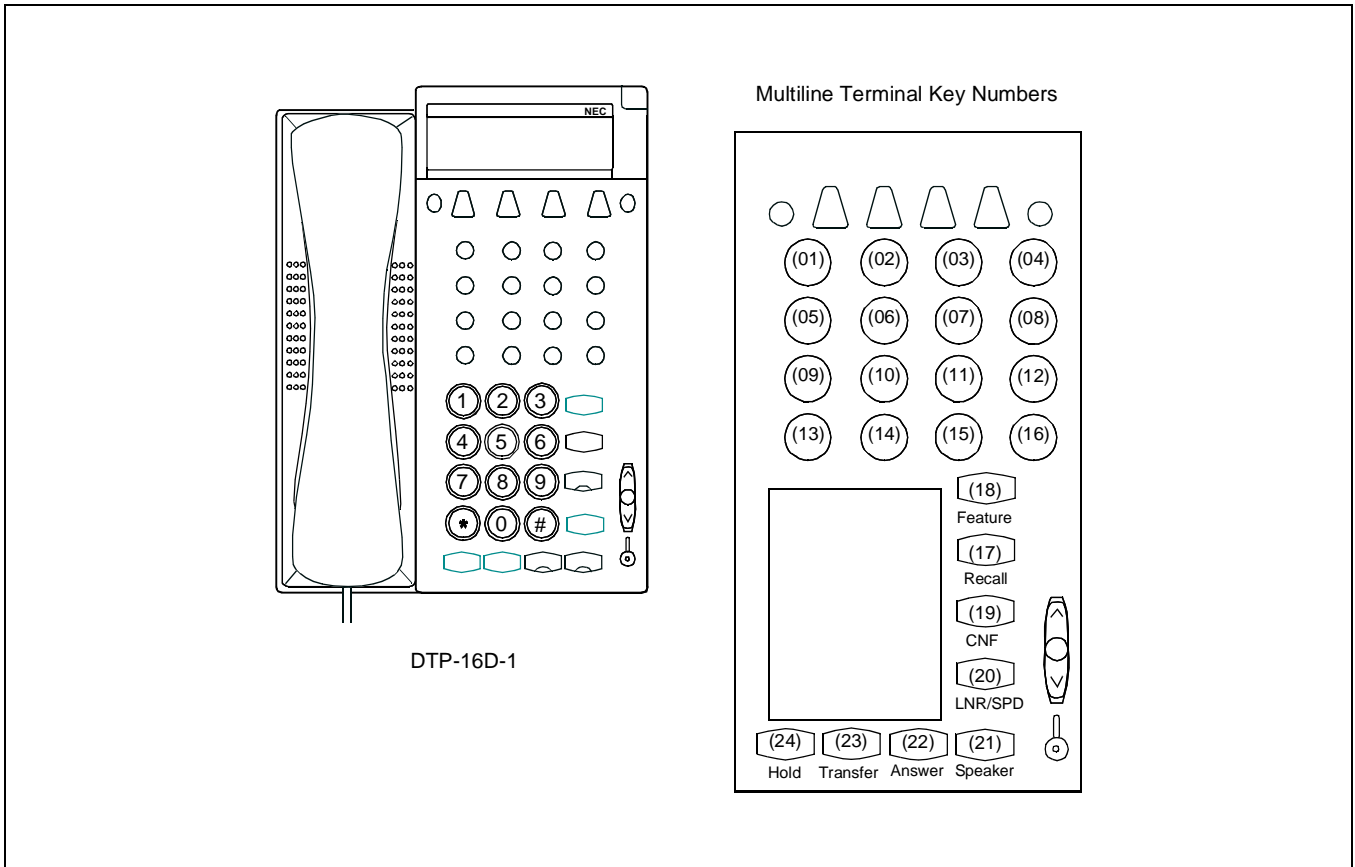


Figure 1-1 Multiline Terminal Key Numbers (Continued)

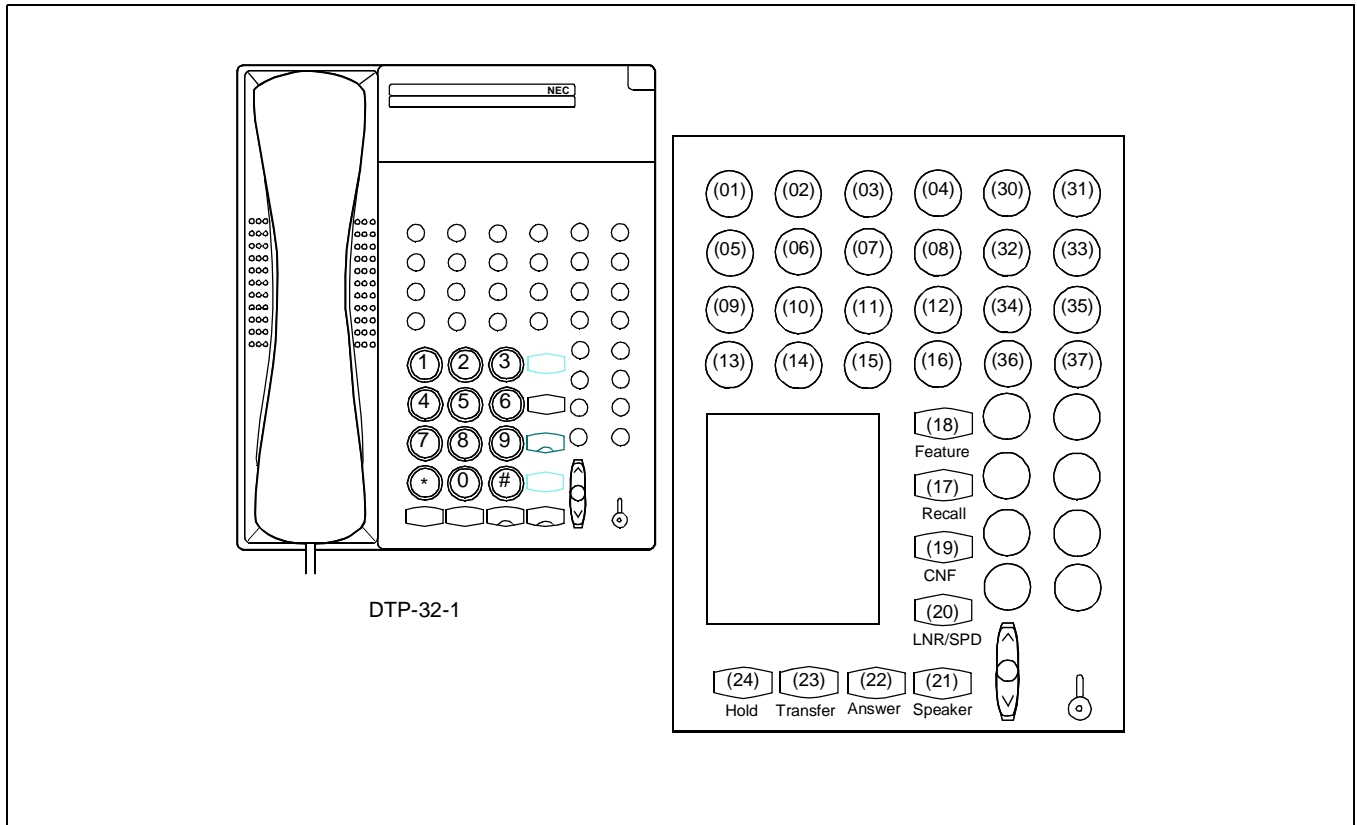


Figure 1-1 Multiline Terminal Key Numbers (Continued)

Note: Key numbers 30 through 37 can be used as either Line/Trunk/Feature key or DSS key. In other words:

- Line/Trunk key, Feature key = 16 + DSS key = 16
or
- Line/Trunk key, Feature key = 24 + DSS key = 8

When key numbers 30 through 37 are used as the Line/Trunk/Feature keys, the Add-on Module key assignment is required. (For details, see “Proprietary Multiline Terminal” feature in Chapter 2).

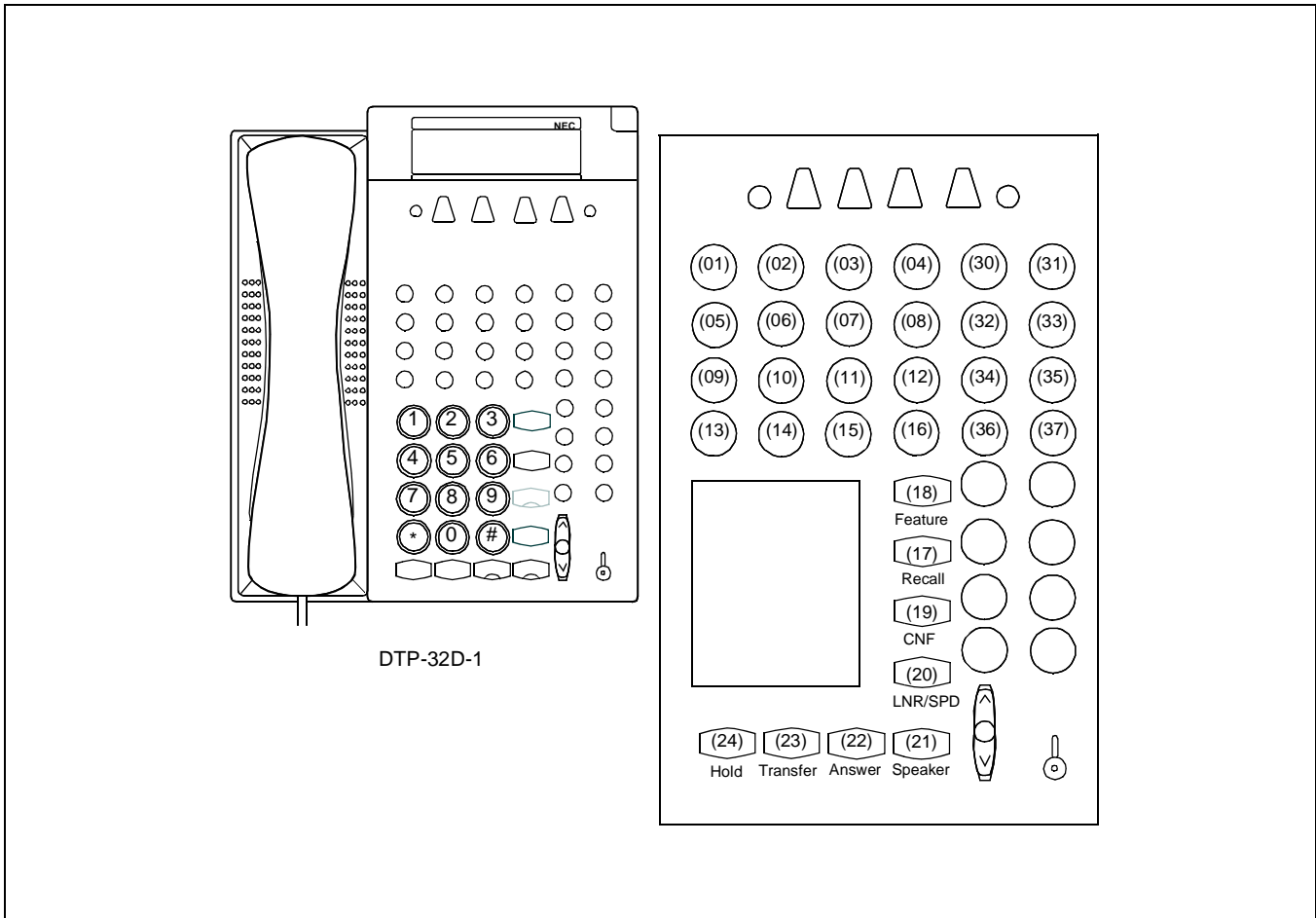


Figure 1-1 Multiline Terminal Key Numbers (Continued)

Note: *Key numbers 30 through 37 can be used as either Line/Trunk/Feature key or DSS key. In other words:*

- *Line/Trunk key, Feature key = 16 + DSS key = 16
or*
- *Line/Trunk key, Feature key = 24 + DSS key = 8*

When key numbers 30 through 37 are used as the Line/Trunk/Feature keys, the Add-on Module key assignment is required. (For details, see “Proprietary Multiline Terminal” feature in Chapter 2).

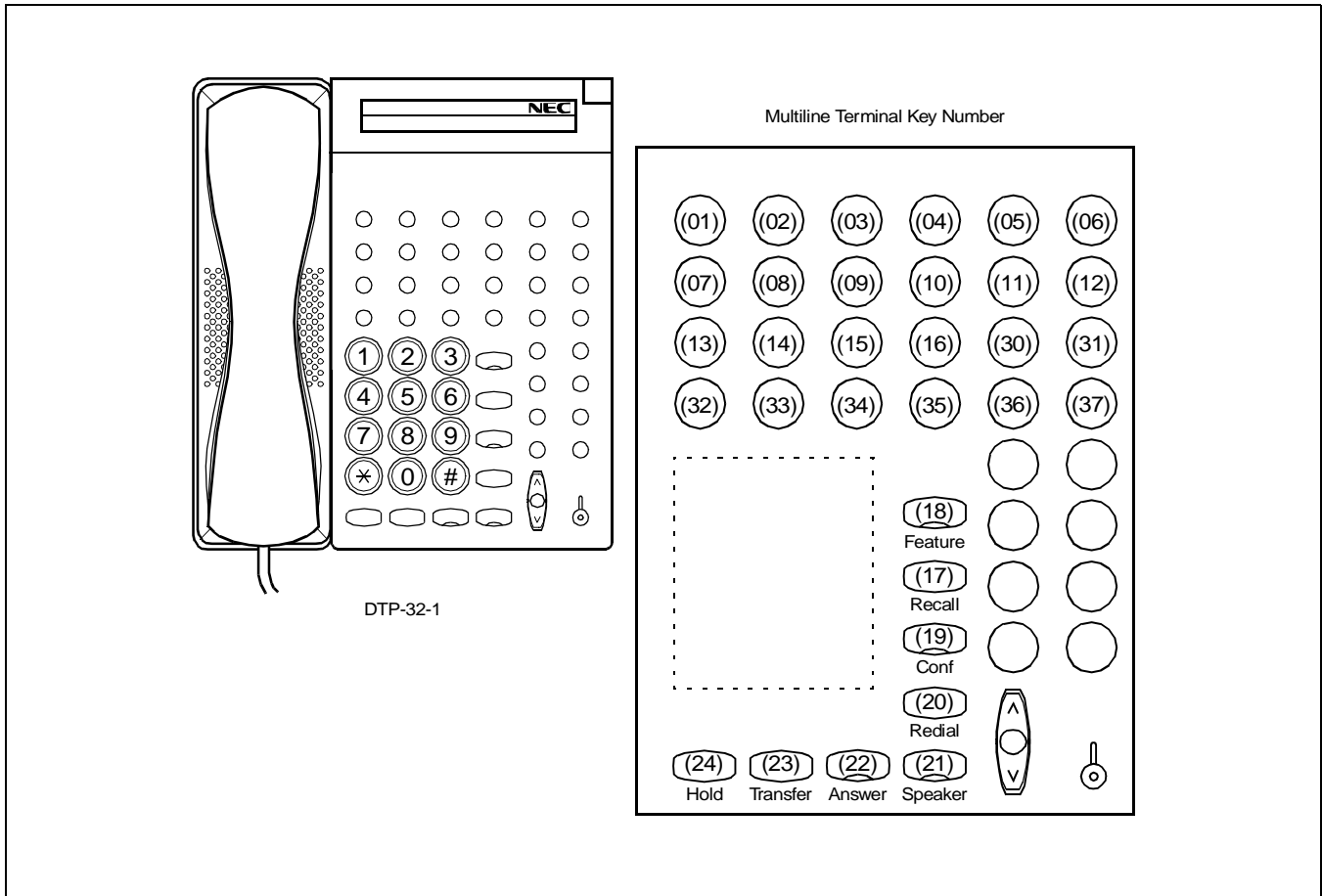


Figure 1-2 SN610 ATTCON Key Numbers

Note: The key No. 30-37 can be used as either Line/Trunk/Feature key or DSS key. In other words:

- Line/Trunk key, Feature key $\times 16 +$ DSS key $\times 16$
or
- Line/Trunk key, Feature key $\times 24 +$ DSS key $\times 8$

When the key No. 30-37 is used as the Line/Trunk/Feature key, the Add-on Module Data assignments for these keys are required, according to the same method as the ETJ-24DS-1 (Multiline Terminal providing 24 Line/Trunk keys).

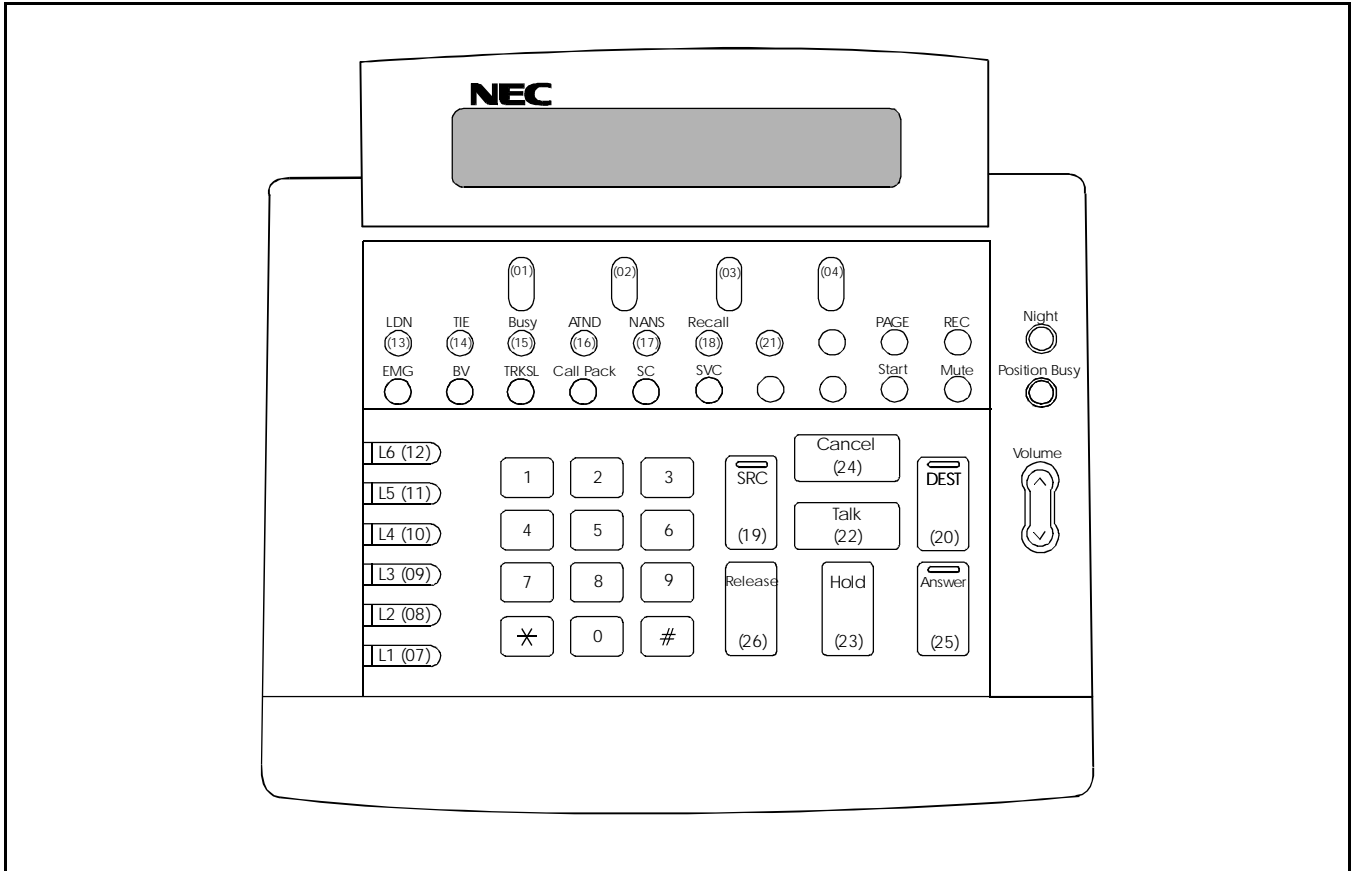
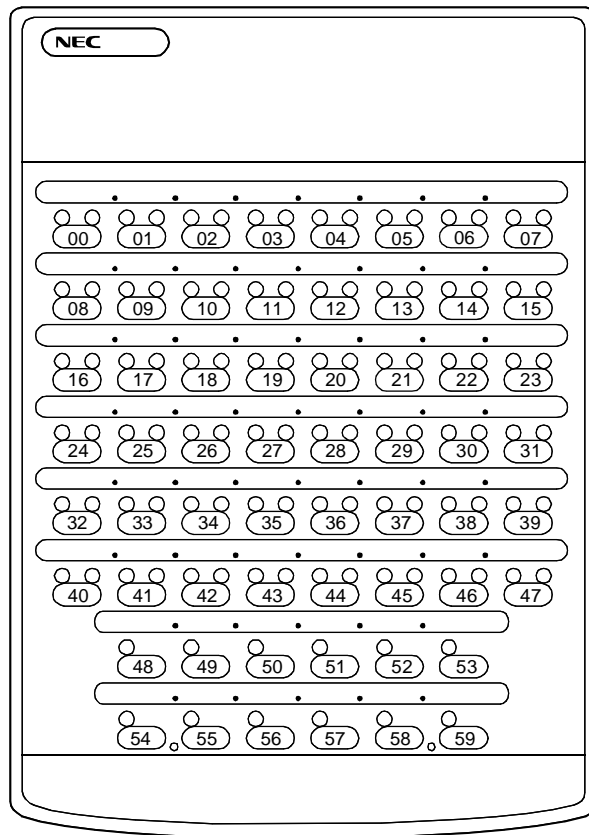
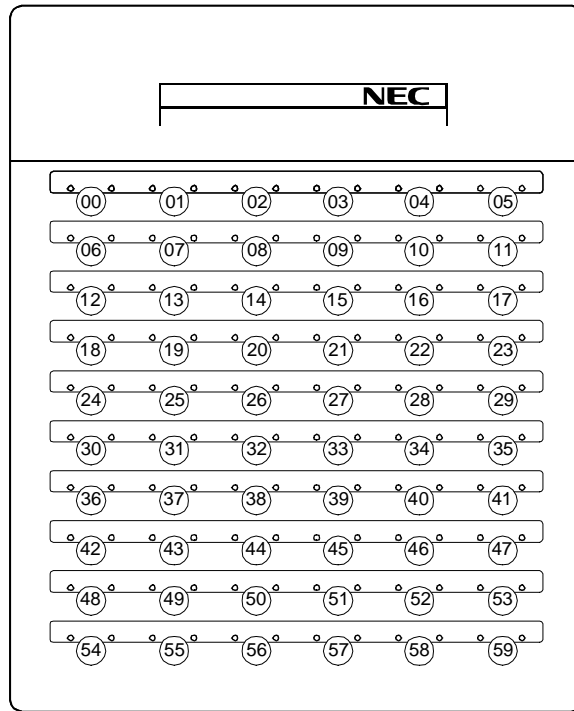


Figure 1-3 SN716 DESKCON Key Numbers



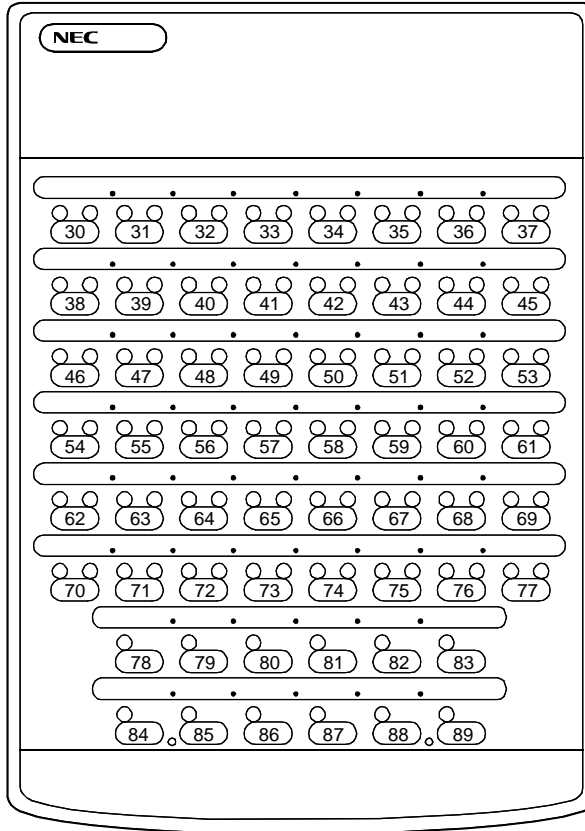
EDW-48-2

Figure 1-4 DSS Console Key Numbers



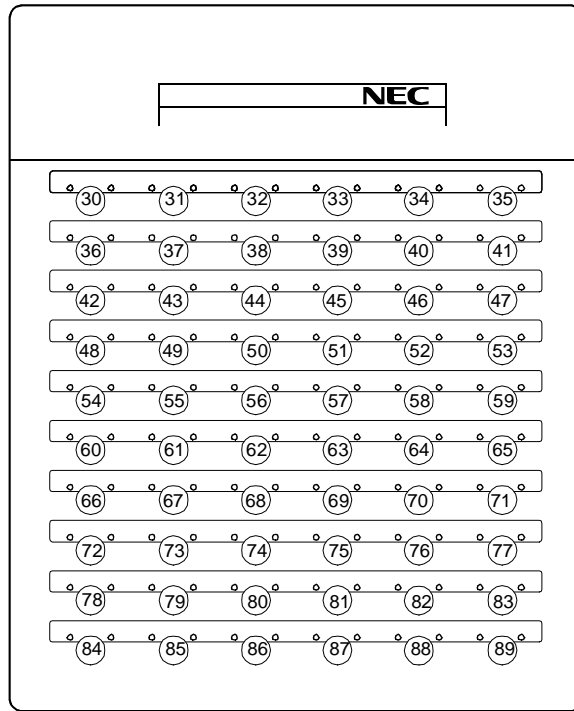
DCU-60-1

Figure 1-4 DSS Console Key Numbers (Continued)



EDW-48-2

Figure 1-5 Add-On Module Key Numbers



DCU-60-1

Figure 1-5 Add-On Module Key Numbers (Continued)

INTRODUCTION

This page is for your notes.

CHAPTER 2 FEATURE PROGRAMMING

1. GENERAL

This section provides the description for programming each service feature.

2. DESCRIPTION OF SERVICE FEATURES

The description of each service feature comprises the following items:

- PROGRAMMING

This section provides the procedures for programming the service feature. If the service feature is functioning in conjunction with other features, refer to the sections containing the information pertaining to those features.

In the programming procedure, the meaning of (1), (2), and the ◀ icons are as follows:

(1) : 1st Data

(2) : 2nd Data

◀ : Initial Data

With the system data clear command (CM00, CM01), the data with this marking (◀) is automatically assigned for each command.

INITIAL : System Initialization
: After entering the data, system reset is required (press SW1 on the MP card).

- HARDWARE REQUIRED

In this section, any hardware required for the feature (such as an interface card or external drive) is listed, with the exception of the following:

(a) Single-line telephone set and interface card (PN-4LC)

(b) Central Office Trunk Card (PN-4COT)

Note: *For Series E Multiline Terminals (DTP-8-1, DTP-8D-1, DTP-16-1, DTP-16D-1, DTP-32-1, DTP-32D-1), the feature programming is available in same method as the Series III Multiline Terminal. However, when the Series E Multiline Terminal with Series III mode or the Elite Terminal is accommodated, it is necessary to specify the kind of the terminal accommodated in a DLC card by programming of CM12 Y= 17. Refer to "Proprietary Multiline Terminal" for the programming of CM12 YY = 17.*

The feature programming for SN716 DESKCON is available in same method as the SN610 ATTCO. However, it is necessary to specify the type of console by programming of CM60 YY=22. Refer to "SN716 DESKCON" for programming related to SN716 DESKCON.

ACCOUNT CODE

2.1 Business Features

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Specify whether Service Set Tone should be sent after dialing the access code for Account Code entry. | (1) 362 (2) 0/1 ◀ : No Tone/Service Set Tone (SST) |
| CM12 | Assign the Class of Service for Account Code entry to the required stations. | • CM12 YY = 02 (1) X-XXXX: Primary Extension No. (2) XX XX _{*a} *a: Service Restriction Class (A): 00-15 ◀ |
| CM15 | | |
| CM42 | Specify the maximum number of digits for Account Codes. Note: <i>If the SMDR message format (2400 IMS Format) is assigned, the maximum number of digits is 10. (See CM D001-82/102/122 in the SMDR System Manual.)</i> | (1) 10 : Max. number of digits for Account Codes (2) 01-16 ◀ : Max. number of digits If no data is entered, the default is 10. |
| CM20 | Assign an access code for Account Code entry. | • Y = 0-3: Numbering Plan Group 0-3 (1) X-XXX: Access Code (* #) (2) 085 |
| CM90 | Assign an Account Code feature access key to a Multiline Terminal. | • YY = 00 (1) Primary Extension No. + [] + Key No. (2) F0085 |
| END | | |

HARDWARE REQUIRED

SMDR (PN-AP00 card and cables)

ADD-ON MODULE (1200 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">CM10</div> | <p>Assign the Add-On Module Number to its associated LEN.</p> <p>Note: <i>When the data assignment of both DSS Console and Add-On Module are required, the same number (the last two digits of the data) cannot be used.</i></p> | <p>(1) 0000-0511 (LEN No.)</p> <p>(2) EC00-EC31: Add-On Module No.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;"> <p>For PIM0/1: EC00-EC07</p> <p>For PIM2/3: EC08-EC15</p> <p>For PIM4/5: EC16-EC23</p> <p>For PIM6/7: EC24-EC31</p> </div> <p style="margin-left: 150px;">Note</p> |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">CM98</div> | <p>Assign the Multiline Terminal which will be associated with the Add-On Module.</p> <p>Note: <i>The Multiline Terminal and the Add-On Module must be in the same PIM (Port Interface Module).</i></p> | <ul style="list-style-type: none"> • YY=0 <p>(1) 00-31 (Add-On Module No.: Last two digits of EC00-EC31 assigned by CM10.)</p> <p>(2) X-XXXX (Primary Extension Number)</p> <p>Note</p> |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">CM12</div> | <p>Assign the Class of Service for the accommodation of Single-Line Telephone to Multiline Terminal. (Assignment for Single-Line Telephone only).</p> | <ul style="list-style-type: none"> • YY=05 <p>(1) X-XXXX: Station No.</p> <p>(2) 0: Accommodated</p> |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">CM90</div> | <p>Assign the station and trunk numbers to the keys on each Add-On Module.</p> <p>Note: <i>Single-Line, Virtual Line or Primary Extension can be assigned on Add-On Module.</i></p> | <ul style="list-style-type: none"> • YY=00 <p>(1) Primary Extension No. + + Add-On Module Key No. (30-54)</p> <p>(2) X-XXXX (Station No.) Note <u>DXXX</u> *a</p> <p>*a: 000-255 (Trunk No.)</p> |
| <div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;">A</div> | | |

ADD-ON MODULE (1200 Series Enhancement)

PROGRAMMING

| | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|------|--------------------------|------|------|------|-----------------------|------|------|------|---------------------|------|------|------|--|------|-----------------------|------|------|------|---------------------|------|------|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center; line-height: 30px;">CM90</div> | <p>Assign the Automatic/Manual/Dial Intercom key to each Add-On Module, if required. For details, refer to INTERCOM.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Add-On Module Key No. (30-54) (2) <table style="border-collapse: collapse; margin-left: 20px;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A000</td> <td rowspan="3" style="border-left: 1px solid black; padding-left: 5px;">} Automatic Intercom No.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A031</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A100</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A131</td> <td rowspan="3" style="border-left: 1px solid black; padding-left: 5px;">} Manual Intercom No.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A700</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A201</td> <td rowspan="3" style="border-left: 1px solid black; padding-left: 5px;">} Dial Intercom No.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A701</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A224</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">A724</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B000</td> <td rowspan="3" style="border-left: 1px solid black; padding-left: 5px;">} Manual Intercom No.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B900</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B001</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B901</td> <td rowspan="3" style="border-left: 1px solid black; padding-left: 5px;">} Dial Intercom No.</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B024</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">B924</td> </tr> </table> | A000 | } Automatic Intercom No. | A031 | A100 | A131 | } Manual Intercom No. | A200 | A700 | A201 | } Dial Intercom No. | A701 | A224 | A724 | | B000 | } Manual Intercom No. | B900 | B001 | B901 | } Dial Intercom No. | B024 | B924 |
| A000 | } Automatic Intercom No. | | | | | | | | | | | | | | | | | | | | | | | |
| A031 | | | | | | | | | | | | | | | | | | | | | | | | |
| A100 | | | | | | | | | | | | | | | | | | | | | | | | |
| A131 | } Manual Intercom No. | | | | | | | | | | | | | | | | | | | | | | | |
| A200 | | | | | | | | | | | | | | | | | | | | | | | | |
| A700 | | | | | | | | | | | | | | | | | | | | | | | | |
| A201 | } Dial Intercom No. | | | | | | | | | | | | | | | | | | | | | | | |
| A701 | | | | | | | | | | | | | | | | | | | | | | | | |
| A224 | | | | | | | | | | | | | | | | | | | | | | | | |
| A724 | | | | | | | | | | | | | | | | | | | | | | | | |
| B000 | } Manual Intercom No. | | | | | | | | | | | | | | | | | | | | | | | |
| B900 | | | | | | | | | | | | | | | | | | | | | | | | |
| B001 | | | | | | | | | | | | | | | | | | | | | | | | |
| B901 | } Dial Intercom No. | | | | | | | | | | | | | | | | | | | | | | | |
| B024 | | | | | | | | | | | | | | | | | | | | | | | | |
| B924 | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">B</div> | <p>Assign the Station Speed Dialing to the keys on each Add-On Module, if required. For details, refer to STATION SPEED DIALING.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Add-On Module Key No. (30-89) (2) F11<u>XX</u> <ul style="list-style-type: none"> *a *a: 00: Station Speed Dialing 00 <li style="padding-left: 40px;">} } 99: Station Speed Dialing 99 | | | | | | | | | | | | | | | | | | | | | | |

ADD-ON MODULE (1200 Series Enhancement)

| | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">B</div> <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM90</div> | <p>Assign the Day/Night Key on each Add-On Module, if required.</p> <p>Specify the tone ringer enabled on call termination to each line/trunk key on each Add-On Module, if required.</p> <p>Assign the Delayed Ringing feature to each line/trunk key on an Add-On Module, if required.</p> <p>Note: <i>Delayed Ringing can be assigned to the first 16 line/trunk keys (Key No. 30-45).</i></p> | <ul style="list-style-type: none"> • YY=00 <ol style="list-style-type: none"> (1) Primary Extension No. + [] + Add-On Module Key No. (87-89) (2) F0043: Day/Night Key • YY=01 <ol style="list-style-type: none"> (1) Primary Extension No. + [] + Add-On Module Key No. (30-54) (2) 0/1 ◀ : Disabled/Enabled • YY=03 <ol style="list-style-type: none"> (1) Primary Extension No. + [] + Add-On Module Key No. (30-45) Note (2) 0: Delayed Ringing |
| <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM41</div> | <p>Specify the Delayed Ringing timing.</p> | <ul style="list-style-type: none"> • Y=1 <ol style="list-style-type: none"> (1) 09 (2) 01-20: Timer Data for 2 sec. - 40 sec. (2 sec. increment) <p>If no data is set, the default setting is 10 seconds.</p> |
| <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM30</div> | <p>Provide Trunk-Direct Appearances to the trunk number.</p> | <ul style="list-style-type: none"> • YY=18 <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) 0: To be provided |
| <p><u>END</u></p> | | |

HARDWARE REQUIRED

DSS Console
 PN-2DLC/4DLC Card (Two or four DSS Console can be accommodated per card)

ALPHANUMERIC DISPLAY

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Provide the system with the Name Display Service. | (1) 255 (2) 1◀ : To be provided |
| | Station number and number display provided when an incoming call terminates to a Prime Line and a Primary Extension. | (1) 335 (2) 1◀ : To be provided |
| CM20 | Assign the access code for station user name entry (used from individual stations). | <ul style="list-style-type: none"> • Y= 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (62) (2) A10 |
| CM35 | Assign a Trunk Name Number to each Trunk Route. | <ul style="list-style-type: none"> • YY = 03 (1) 00-63 : Trunk Route No. (2) 00 : Trunk Name No. 00 } } 14 : Trunk Name No. 14 15◀ : Kind of Trunk Route assigned by CM35 YY = 00 is displayed 16 : Trunk Name No.16 } } 63 : Trunk Name No. 63 |
| CM77 | Assign the desired station user's name to each station number by Y = 0 or Y = 1. | <ul style="list-style-type: none"> • Y = 0 (By Character Code) (1) X-XXXX: Station No. (2) Character Code (20-7F:See Character Code Table Max. 16 digits) • Y = 1 (By Character) (1) X-XXXX: Station No. (2) Character (A-Z, 0-9) Max. 8 characters |
| A | | |

ALPHANUMERIC DISPLAY

| | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM77</div> <div style="border-bottom: 1px solid black; width: 100%; height: 150px; margin-top: 5px;"></div> <div style="text-align: center; margin-top: 5px;"><u>END</u></div> | <p>Assign the desired trunk name to each trunk route by Y = 2 or Y = 3.</p> | <ul style="list-style-type: none"> • Y = 2 (By Character Code) <ol style="list-style-type: none"> (1) 00-14, 16-63: Trunk Name No. assigned by CM35 YY = 03. (2) Character Code 20-7F: See Character Code Table Max. 8 digits • Y = 3 (By Character) <ol style="list-style-type: none"> (1) 00-14, 16-63: Trunk Name No. assigned by CM35 YY = 03. (2) Character Code (A-Z, 0-9) Max. 4 characters |

Note 1: *The maximum number of stations that can be provided with the user's name display is 384. The maximum number of characters per name is eight, including spaces. The Maintenance Administration Terminal (MAT) or Customer Administration Terminal (CAT) can be used to register or change a name. A Multiline Terminal can register or change the name assignment of that individual Multiline Terminal.*

Note 2: *User names can be assigned to stations that do not have an LCD.*

Note 3: *The trunk name display is provided on a trunk-route basis. The maximum amount of characters in the trunk name display is four. The maximum number of trunk routes assignable is 16. The MAT or CAT can be used to register or change a trunk name display.*

Note 4: *There are two ways to change a name that is currently programmed. (1) by overwriting with a new name, or (2) by inserting a blank space as the first character to cancel the existing name.*

ALPHANUMERIC DISPLAY

Character Code Table

| 1ST 2ND | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|----|---|---|---|---|---|
| 0 | | 0 | @ | P | \ | p |
| 1 | ! | 1 | A | Q | a | q |
| 2 | ” | 2 | B | R | b | r |
| 3 | # | 3 | C | S | c | s |
| 4 | \$ | 4 | D | T | d | t |
| 5 | % | 5 | E | U | e | u |
| 6 | & | 6 | F | V | f | v |
| 7 | , | 7 | G | W | g | w |
| 8 | (| 8 | H | X | h | x |
| 9 |) | 9 | I | Y | i | y |
| A | * | : | J | Z | j | z |
| B | + | ; | K | [| k | { |
| C | , | < | L | ¥ | l | |
| D | - | = | M |] | m | } |
| E | . | > | N | ^ | n | → |
| F | / | ? | O | _ | o | ← |

ANALOG PORT ADAPTER (1200 Series Enhancement)

PROGRAMMING

To assign the Single Port Mode:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM13</div> | Provide the Analog Port Adapter to the required stations. | <ul style="list-style-type: none"> • YY=32 (1) X-XXXX: Primary Extension No. (2) 0: To be provided |
| | Assign the Single Port Mode to the required stations. | <ul style="list-style-type: none"> • YY=33 (1) X-XXXX: Primary Extension No. (2) 1◀ : Single Port Mode |
| | Specify whether a ringing signal is sent to the Analog terminal. | <ul style="list-style-type: none"> • YY=35 (1) X-XXXX: Primary Extension No. (2) 0/1◀ : Not to be sent/To be sent |
| <u>END</u> | | |

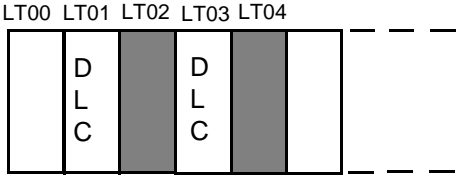
To assign the Dual Port Mode:

1. Data Assignment for Multiline Terminal accommodates the Analog Port Adapter.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM13</div> | Provide the Analog Port Adapter to the required stations. | <ul style="list-style-type: none"> • YY=32 (1) X-XXXX: Primary Extension No. (2) 0: To be provided |
| | Assign the Dual Port Mode to the required stations. INITIAL | <ul style="list-style-type: none"> • YY=33 (1) X-XXXX: Primary Extension No. (2) 0: Dual Port Mode |
| <u>END</u> | | |

ANALOG PORT ADAPTER (1200 Series Enhancement)

2. Data Assignment for Analog Terminal connected to the Analog Port Adapter.

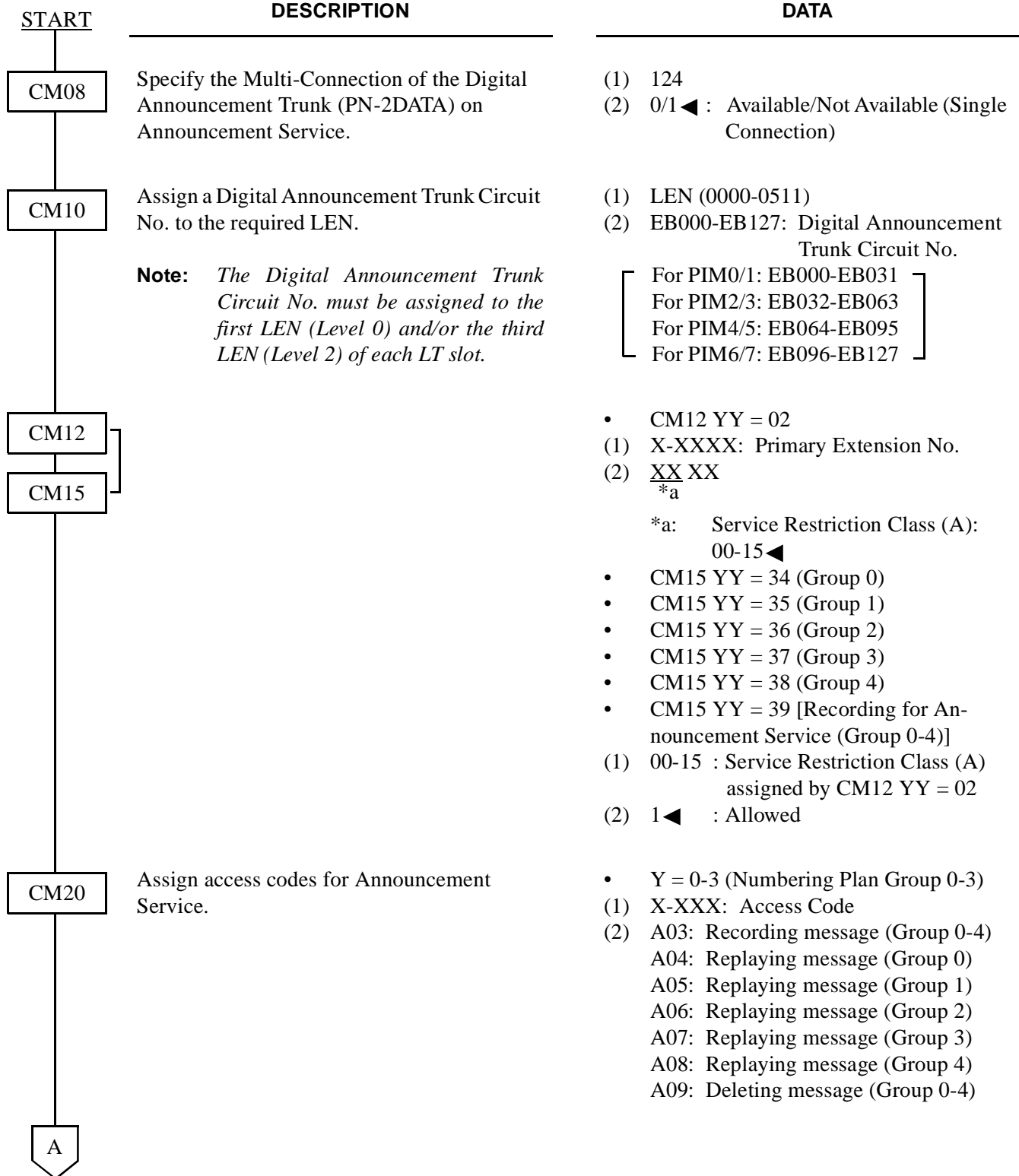
| | DESCRIPTION | DATA |
|-------|---|---|
| START | | |
| CM10 | <p>Assign an Analog Terminal Station No. to the required LEN.</p> <p>Note: <i>The Analog Terminal Station No. must be assigned to the LEN of right side LT slot to the LT slot for DLC.</i></p> <p><i>Example: When the DLC card is mounted in the LT01 slot and LT03 slot.</i></p> <div style="text-align: center;">  <p style="margin-left: 100px;">↑ ↑ LT slot for assigning an Analog Terminal Station No. (The DLC card is not mounted in this slot.)</p> </div> <p>Assignment Example: CM 10 - LEN 0000 = F 200 for D^{term} Primary Extension LEN 0004 = F 300 for Analog Terminal</p> <p>If level 0 of the LEN is used for the D^{term}, the adjacent level 0 must be used.</p> | <p>(1) LEN (0000-0511) (2) FX-FXXXX: Analog Terminal Station No.</p> |
| A | | |

ANALOG PORT ADAPTER (1200 Series Enhancement)

| | DESCRIPTION | DATA |
|------------|--|--|
| A | | |
| CM90 | Assign a key for Analog Terminal. | <ul style="list-style-type: none"> • YY=00 (1) Analog Terminal Station No. + <input type="text"/> + Key No. (2) X-XXXX: Analog Terminal Station No. assigned by CM10. |
| CM93 | Assign an Analog Terminal Station No. as Prime Line. | <ul style="list-style-type: none"> (1) X-XXXX: Analog Terminal Station No. (2) X-XXXX: Analog Terminal Station No. |
| CM13 | Provide the Analog Port Adapter to the required station. | <ul style="list-style-type: none"> • YY=34 (1) X-XXXX: Analog Terminal Station No. (2) 0: To be provided |
| | Specify whether a ringing signal is sent to the Analog Terminal. | <ul style="list-style-type: none"> • YY=35 (1) X-XXXX: Primary Extension No. (2) 0/1 ◀ : Not to be sent/To be sent |
| | Specify the PAD control of the Analog Terminal. | <ul style="list-style-type: none"> • YY=09 (1) X-XXXX: Analog Terminal Station No. (2) 0/1 ◀ : Not Available/Available |
| <u>END</u> | | |

ANNOUNCEMENT SERVICE

PROGRAMMING



ANNOUNCEMENT SERVICE

| | DESCRIPTION | DATA |
|------|--|---|
| A | | |
| CM41 | When multi-connection is provided (CM08124 = 0), specify the duration of message replay for Announcement Service. | <ul style="list-style-type: none"> • Y = 0 (1) 53 (2) 01-99: 4-396 sec. in 4 sec. increments If no data is set, the default setting is 60-64 seconds. |
| CM49 | Assign the function for each Digital Announcement Trunk. | <ul style="list-style-type: none"> • YY = 00 (1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127) (2) 04$\overline{\text{X}}$ $\overline{\text{X}}$ *a *b *a: Group No. (0-4) *b: Message No. (0-9) |
| CM35 | To provide a Tie Line party with this service, assign the Announcement Service Group 0-4 to the required Trunk Routes. | <ul style="list-style-type: none"> • YY = 69 (Group 0) • YY = 70 (Group 1) • YY = 71 (Group 2) • YY = 72 (Group 3) • YY = 73 (Group 4) (1) 00-63 : Trunk Route No. (2) 1◀ : Allowed |
| END | | |

Note 1: A maximum of five different announcements can be accessed. There is a limit of 10 Digital Announcement Trunk Circuit for each of the five different announcements. When recording an announcement, each Digital Announcement Trunk Circuit must be recorded individually.

Note 2: Each time a station is connected to a Digital Announcement Trunk Circuit, the message will be repeated three times. The station will then be disconnected.

Note 3: For the single connection of a Digital Announcement Trunk Circuit, the duration of an announcement is limited to 60 seconds.

Note 4: For the multi-connection of a Digital Announcement Trunk Circuit, the duration of replay for an announcement is programmable from 4 to 396 seconds.

ANNOUNCEMENT SERVICE

To provide a voice message when an incoming C.O. line/Tie line call has been transferred and encounters a busy or no answer condition:

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign a Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px; margin-top: 10px;"> <ul style="list-style-type: none"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM65</div> | <p>Assign the feature for a voice message connection to a transferred trunk when the transferred destination does not answer or the transferred destination is busy to the required tenant.</p> | <ul style="list-style-type: none"> • YY = 50 (No Answer) <ul style="list-style-type: none"> (1) 00-63: Tenant No. (2) 0 • YY = 51 (Busy) <ul style="list-style-type: none"> (1) 00-63: Tenant No. (2) 0 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM49</div> | <p>Assign the function for each Digital Announcement Trunk.</p> | <ul style="list-style-type: none"> • YY = 00 <ul style="list-style-type: none"> (1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127) (2) 06XX: No Answer *a <li style="padding-left: 40px;">*a: Message No. (00-63) <li style="margin-top: 10px;">07XX: Busy *a <li style="padding-left: 40px;">*a: Message No. (00-63) • YY = 06 (No Answer) • YY = 07 (Busy) <ul style="list-style-type: none"> (1) 00-63: Tenant No. of transferring station (2) 00-63: Message No. assigned by YY = 00 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>To record, replay, or delete a message, assign the respective Digital Announcement Trunk access code.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Number Plan Group 0-3) <ul style="list-style-type: none"> (1) X-XXX: Access Code (2) A00: Record A01: Replay A02: Delete |
| <div style="text-align: center;">END</div> | | |

ANNOUNCEMENT SERVICE

Note 5: *Announcement Service can be used to provide a voice message when an incoming C.O. line/Tie line call has been transferred and encounters a busy or no answer condition. After the voice message is given, normal call processing continues.*

- *This application can be programmed on a tenant basis.*
- *Only one (1) message of up to 60 seconds can be recorded on an individual Digital Announcement Trunk Circuit.*
- *In this application, a minimum of two digital announcement Trunk Circuits are needed, one for busy condition, and one for no answer.*
- *More than one Digital Announcement Trunk Circuit can be used, depending on traffic conditions.*
- *System programming can be set to, wait until circuit(s) become free or immediately follow preprogrammed normal call handling, if a busy condition is encountered.*
- *Digital Announcement Trunk Circuits can be shared among tenants.*
- *This feature does not function on Attendant transferred calls.*

ANNOUNCEMENT SERVICE

To provide an Internal Recorded Message from a Digital Announcement Trunk (PN-2DATA) in place of Music On Hold:

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign a Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <ol style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="margin-left: 20px;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 2px;"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM48</div> | <p>Define the type of call to be provided with Hold Message.</p> | <ul style="list-style-type: none"> • Y = 0 <ol style="list-style-type: none"> (1) 00: C.O. Line Call 01: Tie Line Call 02: Internal Call (2) 0500: Hold Message |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM49</div> | <p>Assign the function of the Digital Announcement Trunk to Hold Message Service.</p> | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) 000-127 : Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127) (2) 05XX : For Hold Message Service <div style="margin-left: 20px;"> *a </div> <p style="margin-left: 40px;">*a: Message No. (00-63)</p> • YY = 05 <ol style="list-style-type: none"> (1) 00-63: Tenant No. (2) 00-63: Message No. assigned by YY = 00 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>To record, replay, or delete a message, assign the respective Digital Announcement Trunk access code.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Number Plan Group 0-3) <ol style="list-style-type: none"> (1) X-XXX (Access Code) (2) A00: Record A01: Replay A02: Delete |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | |

ANNOUNCEMENT SERVICE

Note 6: *A voice message in place of Music-On-Hold can be provided when a call has been placed on hold.*

- *Different messages can be programmed on a tenant basis.*
- *Different messages can be programmed, depending on the type of line (CO line, Tie line or station) on Hold.*
- *More than one connection can be made to a Digital Announcement Trunk Circuit. Only the first connection can be assured of hearing the message from the beginning.*
- *Announcements will be repeated until the call is removed from hold.*

ANNOUNCEMENT SERVICE

To provide the Night Announcement by Digital Announcement Trunk (PN-2DATA)

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign each Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 2px; margin-left: 20px;"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign the Digital Announcement Trunk Circuit No. to each incoming trunk.</p> | <ul style="list-style-type: none"> • YY = 03 <ul style="list-style-type: none"> (1) 000-255: Trunk No. (2) 04: Direct-In Termination • YY = 05 <ul style="list-style-type: none"> (1) 000-255 : Trunk No. (2) EB000-EB127 : Digital Announcement Trunk Circuit No. assigned by CM10. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM49</div> | <p>Assign the function of the Digital Announcement Trunk to Night Announcement.</p> | <ul style="list-style-type: none"> • YY = 00 <ul style="list-style-type: none"> (1) 000-127 : Digital Announcement Trunk Circuit No. assigned by CM10. (EB000-EB127) (2) 03000 : For Night Announcement Service |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM41</div> | <p>Specify the duration of a Night Announcement.</p> | <ul style="list-style-type: none"> • Y = 0 <ul style="list-style-type: none"> (1) 45 (2) 01-99: 4 -396 sec. in 4sec. increments <p>If no data is set, the default setting is 60-64 seconds.</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>To record, replay, or delete a message, assign the respective Digital Announcement Trunk Circuit access code.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ul style="list-style-type: none"> (1) X-XXX: Access Code (2) A00: Record A01: Replay A02: Delete |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | |

ANNOUNCEMENT SERVICE

Note 7: *A voice message can be sent to incoming C.O. lines during night mode.*

- *Different messages can be programmed on each C.O. line.*
- *The voice message can be programmed for day/night.*
- *More than one connection can be made to a Digital Announcement Trunk Circuit. Only the first connection can be assured of hearing the message from the beginning.*
- *Announcements may be programmed to be repeated from 4 to 120 seconds in four-second increments.*

HARDWARE REQUIRED

Digital Announcement Trunk (PN-2DATA).

ANSWER KEY

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM12 | Assign the Class of Service for this feature to the required Multiline Terminals. | <ul style="list-style-type: none">• CM12 YY = 02(1) X-XXXX: Primary Extension No.(2) XX <u>XX</u> *a*a: Service Restriction Class (B): 00-15◀ |
| CM15 | | |
| <u>END</u> | | |

Note: An ANSWER key is initially assigned on each Multiline Terminal.

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

ATTENDANT-ASSISTED CALLING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| START | | |
| CM20 | Assign the Access code for an operator call. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (0) (2) 800 |
| CM60 | Allocate the ATTCON Group No. to each SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) 0-7: ATTCON No. assigned by CM10. (2) 0-3: ATTCON Group No. |
| | Assign the Master ATTCON within the ATTCON Group. | <ul style="list-style-type: none"> • YY = 01 (1) 0-7: ATTCON No. (2) 0/1 ◀ : Master/Sub |
| | (INITIAL) | |
| CM62 | Specify the tenants to be handled by each ATT Group. | <ul style="list-style-type: none"> • Y = 0-3 (ATTCON Group No.0-3 assigned by CM60 YY = 00) (1) 00-63 : Tenant No. (2) 0 : To be handled |
| | (INITIAL) | |
| CM08 | Specify the Attendant access (ATTCON No. 0) capability provided from the stations belonging to a tenant with no SN610 ATTCON. | <ul style="list-style-type: none"> (1) 142 (2) 0/1 ◀ : Allowed/Restricted |
| | Provide the system with Passing Dial Tone. | <ul style="list-style-type: none"> (1) 048 (2) 1 ◀ : To be provided |
| | Provide the system with Attendant Night Transfer, if required. | <ul style="list-style-type: none"> (1) 018 (2) 0/1 ◀ : Not to be provided/Provided |
| | Specify the Individual Attendant access capability provided from a station belonging to a different tenant. | <ul style="list-style-type: none"> (1) 143 (2) 0/1 ◀ : Restricted/Allowed |
| END | | |

ATTENDANT CAMP-ON

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Specify the Camp-On Tone sent to busy station. | (1) 068 (2) 0 : Camp-on Tone is sent out only once. 1◀ : Camp-on Tone is repeated at an interval of 4 seconds. |
| CM41 | Specify the recall timing of Camp-On. | <ul style="list-style-type: none"> • Y = 0 (1) 00 (2) 01-14: 2.4-33.6 sec. in 2.4 sec. increments 15-24: 38.4-124.8 sec. in 9.6 sec. increments If no data is set, the default setting is 31.2-33.6 seconds. |
| END | | |

To reenter a Camped-On trunk from an Attendant before Automatic Recall (1200 Series Enhancement):

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM20 | Assign the access code for Call Pickup - Direct. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 021: Call Pickup - Direct |
| END | | |

To display the busy station number and name on an Attendant Console when reentering a Camped-On trunk by depressing the loop key (1200 Series Enhancement):

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Provide the SN610 ATTCON with the busy station number/name display when reentering a Camped-On trunk. | (1) 441 (2) 0: To be provided 1◀ : Not to be provided |
| END | | |

ATTENDANT CONSOLE (SN610 ATTCON)

PROGRAMMING

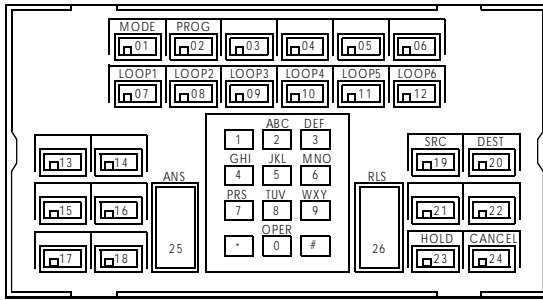
| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | Assign the card number of the interface circuit for the SN610 ATTCON to its associated LEN. | (1) 0000-0511 : LEN No. (2) E000-E007 : ATTCON No. |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | Set the terminating system for the incoming calls to SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 02 (Day mode), YY = 03 (Night mode) (1) Trunk No. (000-255) (2) 14: Termination to SN610 ATTCON |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign the required Attendant Call Selection keys and ATTCON Function keys to each SN610 ATTCON. If no data is set, the default setting is as follows (Refer to MULTI-FUNCTION KEY for assignment of Multi-Function Keys). | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. (E000-E007) + + Key No. (2) F6000-F6067: Type of Calls to be assigned F6100-F6245: Functions to be assigned |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

ATTENDANT CONSOLE (SN610 ATTCON)

A

DESCRIPTION

DATA



| KeyNo. | Data | Description |
|--------|-------------|------------------------|
| 01 | F6110 | Mode (MODE) |
| 02 | F6111 | Programming (PROG) |
| 07-12 | F6240-F6245 | Loop 1-Loop 6 |
| 16 | F6061 | Re-Call (RCL) |
| 17 | F6060 | Operator Call (ATND) |
| 18 | F6000 | C.O. Incoming 0 (LDN0) |
| 19 | F6200 | Source (SRC) |
| 20 | F6201 | Destination (DEST) |
| 23 | F6204 | Hold (HOLD) |
| 24 | F6202 | Cancel (CANCEL) |
| 25 | Note | Answer (ANS) |
| 26 | Note | Release (RLS) |

Note: ANS or RLS keys can be assigned on either 25 or 26 by CM60 YY = 15.

CM60

Allocate the ATT Group No. to each SN610 ATTCON.

- YY = 00
 - (1) ATTCON No. (0-7)
 - (2) 0: ATT GROUP 0
|
3: ATT GROUP 3

Specify the Master SN610 ATTCON within the ATT Group assigned by YY = 00.

INITIAL

- YY = 01
 - (1) ATTCON No. (0-7)
 - (2) 0/1 ◀ : Master/Sub

Specify the location of Answer (ANS) and Release (RLS) key.

- YY = 15
 - (1) ATTCON No. (0-7)
 - (2) 0 : Key No.25-Release, Key No.26-Answer
1 ◀ : Key No.25-Release, Key No.26-Answer

CM62

Specify the tenants to be handled by each ATT Group.

INITIAL

- Y = 0-3
 - (1) Tenant No. (00-63)
 - (2) 0/1 ◀ : To be handled/Not to be handled

END

ATTENDANT CONSOLE (SN610): ATTENDANT CALLED/CALLING NAME DISPLAY

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Provide the system with the Name Display Service. | (1) 255 (2) 1◀ : To be provided |
| CM20 | Assign the access code for station user name entry, used from individual stations. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (62) (2) A10 |
| CM35 | Assign a Trunk Name Number to each Trunk Route. | <ul style="list-style-type: none"> • YY = 03 (1) 00-63 : (Trunk Route No.) (2) 00 : Trunk Name No. 00 14 : Trunk Name No. 14 15◀ : Kind of Trunk Route assigned by CM35 YY = 00 is displayed 16 : Trunk Name No. 16 63 : Trunk Name No. 63 |
| CM77 | Assign the desired station user name to each station number by Y = 0 or Y = 1. | <ul style="list-style-type: none"> • Y = 0 (By Character Code) (1) X-XXXX: Station No. (2) Character Code (20-7F: See Character Code Table) Max. 16 digits • Y = 1 (By Character) (1) X-XXXX: Station No. (2) Character (A-Z, 0-9) Max. 8 characters |
| CM77 | Assign the desired trunk name to each trunk route by Y = 2 or Y = 3. | <ul style="list-style-type: none"> • Y = 2 (By Character Code) (1) 00-14, 16-63 (Trunk Name No. assigned by CM35 YY = 03.) (2) Character Code (20-7F: See Character Code Table) Max. 8 digits • Y = 3 (By Character) (1) 00-14, 16-63 (Trunk Name No. assigned by CM35 YY = 03.) (2) Character Code (A-Z, 0-9) Max. 4 characters |
| END | | |

ATTENDANT CONSOLE (SN610): ATTENDANT CALLED/CALLING NAME DISPLAY

Character Code Table

| 1ST \ 2ND | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------|----|---|---|---|---|---|
| 0 | | 0 | @ | P | \ | p |
| 1 | ! | 1 | A | Q | a | q |
| 2 | ” | 2 | B | R | b | r |
| 3 | # | 3 | C | S | c | s |
| 4 | \$ | 4 | D | T | d | t |
| 5 | % | 5 | E | U | e | u |
| 6 | & | 6 | F | V | f | v |
| 7 | , | 7 | G | W | g | w |
| 8 | (| 8 | H | X | h | x |
| 9 |) | 9 | I | Y | i | y |
| A | * | : | J | Z | j | z |
| B | + | ; | K | [| k | { |
| C | , | < | L | ¥ | l | |
| D | - | = | M |] | m | } |
| E | . | > | N | ^ | n | → |
| F | / | ? | O | _ | o | ← |

ATTENDANT CONSOLE (SN610): ATTENDANT CALL SELECTION

PROGRAMMING

START

DESCRIPTION

DATA

CM35

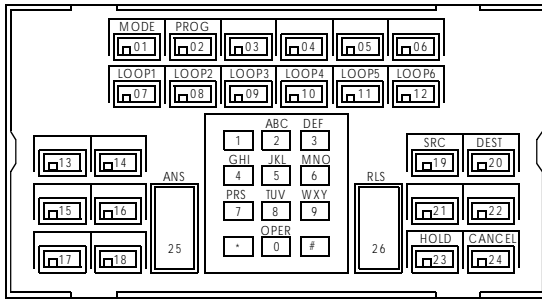
Specify the ATT call Selection key to which incoming calls from each trunk route terminate.

- YY = 15
- (1) Trunk Route No. (00-15)
- (2) ATT Call Selection Key:
 - 00-07: C.O. Incoming Call 0-7
 - 10-17: FX Incoming Call 0-7
 - 20-27: WATS Incoming Call 0-7
 - 30-37: CCSA Incoming Call 0-7
 - 40-47: Tie Line Incoming Call 0-7

CM90

Assign the ATT Call Selection Keys required. The following ATT Call Selection Keys are initially set.

- YY = 00
 - (1) ATTCON No. + + Key No.
 - (2) F60XX
 - *a
- *a: 00-07 (C.O. Incoming Call 0-7)
 10-17 (FX Incoming Call 0-7)
 20-27 (WATS Incoming Call 0-7)
 30-37 (CCSA Incoming Call 0-7)
 40-47 (Tie Line Incoming Call 0-7)
 50-53 (Special Operator Call 0-3)
 54 (Priority Call 0)
 55 (Priority Call 1)
 56 (Emergency Call)
 60 (Operator Call)
 61 (Recall)
 62 (Serial Call)
 63 (Call Forwarding-No Answer)
 64 (Call Forwarding-Busy Line)
 65 (Call Forwarding-Intercept)
 66 (Off Hook Alarm)
 67 (Inter Position Calling/Transfer)



| <u>Key No.</u> | <u>Data</u> | <u>Description</u> |
|----------------|-------------|------------------------|
| 16 | F6061 | Recall (RCL) |
| 17 | F6060 | Operator Call (ATND) |
| 18 | F6000 | C.O. Incoming 0 (LND0) |

END

ATTENDANT CONSOLE (SN610): ATTENDANT CONSOLE LOCKOUT-PASSWORD

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM90 | Assign the Mode key for providing Attendant Console Lockout on the SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + <input type="text"/> + Key No. (2) F6110 |
| CM20 | Assign the access code for providing Attendant Console Lockout for an SN610 ATTCON, if required. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) A55 |
| CM08 | Specify the buzzer sound when terminating an incoming call to the SN610 ATTCON in Attendant Console Lockout. | <ul style="list-style-type: none"> (1) 353 (2) 0/1 ◀ : Not to be provided/To be provided |
| CM60 | Assign the password code for Attendant Console Lockout. | <ul style="list-style-type: none"> • YY = 30 (1) 0 (2) XX-XX : Password Code (Max. 8 digits) X : 0-9, A (*) B (#) <p>If no data is set, the default setting is NONE. In this case, the password is set to "12345678".</p> |
| <u>END</u> | (INITIAL) | |

ATTENDANT CONSOLE (SN610): ATTENDANT DO NOT DISTURB SETUP AND CANCEL

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM13</div> | Assign Do Not Disturb-System to the required stations. | <ul style="list-style-type: none"> • YY = 00 (1) X-XXXX (Station No.) (2) 0: To be provided |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign DND and DNDOVR function keys to each SN610 ATTCON, if needed. Note: <i>By resident system program, the Multi-Function keys are programmed to provide a DND OVR key when the ATTCON calls a station in DND.</i> | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + + Key No. (2) F6102: DND F6108: DND Override F6104: RESET |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): ATTENDANT INTERPOSITION CALLING/TRANSFER

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Inter-Position Transfer. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 095 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign the Attendant Call Selection Key for this feature on the SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + + Key No. (2) F6067 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify the Inter-Position Transferred call to another tenant's SN610 Attendant Console.</p> <p>If the data is set to 1, a call from any station can be transferred to another SN610 Attendant Console regardless of Tenant Allocation by CM62.</p> | <ul style="list-style-type: none"> (1) 143 (2) 0/1 ◀ : Restricted/Allowed |
| <div style="text-align: center;"><u>END</u></div> | | |

ATTENDANT CONSOLE (SN610): ATTENDANT LISTED DIRECTORY NUMBER

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Provide the system with diversion display. | (1) 204 (2) 0: To be provided |
| CM35 | Specify the Incoming Call Identification (ICI) key to which each LDN call or Tie Line call from each trunk route will terminate. | <ul style="list-style-type: none"> • YY = 15 (1) Trunk Route No. (00-63) (2) 00: C.O. Incoming Call 0 } } 07: C.O. Incoming Call 7 40: Tie Line Incoming Call 0 } } 47: Tie Line Incoming Call 7 |
| CM90 | Assign the ICI key, if required. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + + Key No. (2) F60XX *_a <li style="margin-left: 20px;">*a: 00-07 (C.O. Incoming Call 0-7) 40-47 (Tie Line Incoming Call 0-7) |
| CM50 | Assign the indialed number to each LDN key or Tie Line key assigned by CM90. The indialed number should be different from any numbers assigned by CM10 and CM11. | <ul style="list-style-type: none"> • YY = 01 (For DID) (1) 0 : Effective data in CM35 YY = 15 1-8 : LDN Key No. (00-07) assigned by CM90 (2) X-XXXX (Indialed No.) • YY = 02 (For Tie Line) (1) 0 : Effective data in CM35 YY=15 1-8 : Tie Line Key No. (00-07) assigned by CM90 (2) X-XXXX (Indialed No.) |
| END | | |

ATTENDANT CONSOLE (SN610): ATTENDANT LISTED DIRECTORY NUMBER

To provide the LDN Diversion feature, the following programming is also required.

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Provide the system with the LDN Diversion feature. | (1) 205 (2) 0: To be provided |
| CM58 | Assign the data for LDN Diversion to each indiald No. assigned by CM50 YY = 01/02. | <ul style="list-style-type: none"> • YY = 00 (Tenant No. of the LDN) |
| | <p>Note: <i>A call is diverted to LDN0-7/TIE0-7 keys as specified by CM58 YY = 02-07, even if CM50 YY = 01/02, 1-8 has been set.</i></p> | (1) 00 : Effective data in CM35 YY = 15 01-08 : LDN Key No. (00-07) assigned by CM50 YY = 01 10 : Effective data in CM35 YY = 15 11-18 : Tie Line Key No. (00-07) assigned by CM50 YY = 02 (2) Tenant No. (00-63) |
| | | <ul style="list-style-type: none"> • YY = 01 (TAS Group No.) (1) Same as YY = 00 (2) TAS Group No. (00-63) |
| | | <ul style="list-style-type: none"> • YY = 02 (Day Mode Destination of the LDN) (1) Same as YY = 00 (2) 00: LDN/TIE key 0 } } 07: LDN/TIE key 7 08: To TAS 09: To the station assigned by CM58 YY = 08. |
| | | <ul style="list-style-type: none"> • YY = 03 (Night Mode Destination) (1) Same as YY = 00 (2) 00: LDN/TIE key 0 } } 07: LDN/TIE key 7 08: To TAS 09: To the station assigned by CM58 YY = 09. |
| | | <ul style="list-style-type: none"> • YY = 04 (Day mode diversion for busy destination station) (1) Same as YY = 00 (2) 00: To ATTCON (BUSY key) 08: To TAS 09: Camped on |
| A | | |

ATTENDANT CONSOLE (SN610): ATTENDANT LISTED DIRECTORY NUMBER

| A | DESCRIPTION | DATA |
|------------|---|--|
| CM58 | If a station is designated by YY = 02, 03, assign the station number to which the call is to be diverted. | <ul style="list-style-type: none">• YY = 05 (Night mode diversion for busy destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) Same as YY = 04 • YY = 06 (Day mode diversion for non-answering destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) 00: To ATTCON (NANS key) 08: To TAS • YY = 07 (Night mode diversion for non-answering destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) Same as YY = 06 • YY = 08 (Day mode destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) X-XXXX (Station No.) • YY = 09 (Night mode destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) X-XXXX (Station No.) |
| <u>END</u> | | |

HARDWARE REQUIRED

PN-AUCA card (DID Trunk)
PN-2ODT (Tie Line Trunk)

ATTENDANT CONSOLE (SN610): ATTENDANT LOOP RELEASE

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM08 | Provide the system with the Attendant Loop Release feature. | (1) 014 : Attendant Loop Release (2) 0 : To be provided |
| <u>END</u> | | |

To reenter the call that has been released from a loop before Automatic Recall (1200 Series Enhancement):

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM20 | Assign the access code for Call Pickup - Direct. | <ul style="list-style-type: none">Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 021: Call Pickup - Direct |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): ATTENDANT PROGRAMMING

PROGRAMMING

| START | DESCRIPTION | DATA |
|------------|---|--|
| CM60 | Assign the password code for Attendant Programming. <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px;">INITIAL</div> | <ul style="list-style-type: none"> • YY = 30 (1) 1 (2) XX-XX : Password Code (Max. 8 digits) X : 0-9, A (*), B(#) <p>If no data is set, the default setting is NONE. In this case, the password is set to "12345678".</p> |
| CM90 | Assign the program (PROG) key for providing Attendant Programming on the SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + <input style="width: 20px; height: 15px;" type="text"/> + Key No. (2) F6111 |
| CM20 | Assign the access code for providing Attendant Programming for the SN610 ATTCON, if required. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) A56 |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): CALL QUEUING

PROGRAMMING

Refer to CALL WAITING DISPLAY.

ATTENDANT CONSOLE (SN610): CALL SPLITTING

PROGRAMMING

START

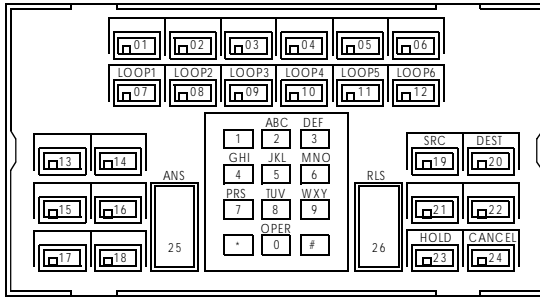
DESCRIPTION

DATA

CM90

Assign the SRC, DEST, TALK, and CANCEL keys on the SN610 ATTCON.
If no data is set, the default setting is as follows:

- YY = 00
- (1) ATTCON No. + + Key No.
- (2) F6200: SRC
F6201: DEST
F6202: CANCEL
F6203: TALK



| Key No. | Data | Description |
|---------|-------|-------------------------|
| 06 | F6203 | Talk (TALK) Note |
| 19 | F6200 | Source (SRC) |
| 20 | F6201 | Destination (DEST) |
| 24 | F6202 | Cancel (CANCEL) |

Note: TALK key is assigned as a Multi-Function key, during the answer state.

END

ATTENDANT CONSOLE (SN610): CALL WAITING DISPLAY

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM42</div> | Specify the number of waiting calls which cause the Call Waiting lamp to flash. | (1) 00 (2) No. of Waiting Calls (01-48) If no data is set, the default setting is 6. |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): COMMON ROUTE INDIAL

PROGRAMMING

| START | DESCRIPTION | DATA |
|--------------------|--|---|
| START CM08 | Provide the system with Diversion Display. | <ul style="list-style-type: none"> (1) 204 (2) 0: To be provided |
| CM90 | Assign the required number of LDN keys on the SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) SN610 ATTCON No. + + Key No. (2) F6000: LDN0 F6007: LDN7 |
| CM50 | Assign the indialed number to each LDN key assigned by CM90. The indialed number should be different from any numbers assigned by CM10 and CM11. | <ul style="list-style-type: none"> • YY = 01 (1) 1-8: LDN key No. (00-07) assigned by CM90. (2) X-XXXX (Indialed No.) |
| CM51 | Assign the destination to which a DID Call is transferred when an unassigned number is dialed. | <ul style="list-style-type: none"> • YY = 06 (On DID Call) (1) Tenant No. (00-63) (2) X-XXXX (Station No.) E000: SN610 ATTCON |
| END | | |

ATTENDANT CONSOLE (SN610): COMMON ROUTE INDIAL

To provide the LDN Diversion feature, the following programming is also required.

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | Provide the system with the LDN Diversion feature. | (1) 205 (2) 0: To be provided |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM58</div> | Assign the data for LDN Diversion to each indiald No. assigned by CM50 YY = 01. | <ul style="list-style-type: none"> • YY = 00 (Tenant No. of the LDN) <ul style="list-style-type: none"> (1) 01-08: LDN0-7 assigned by CM50 YY = 01. (2) Tenant No. (00-63) • YY = 01 (TAS Group No.) <ul style="list-style-type: none"> (1) Same as YY = 00 (2) TAS Group No. (00-63) • YY = 02 (Day Mode Destination of the LDN) <ul style="list-style-type: none"> (1) Same as YY = 00 (2) 00: LDN0 key 07: LDN7 key 08: To TAS 09: To the station assigned by CM58 YY = 08. • YY = 03 (Night Mode Destination) <ul style="list-style-type: none"> (1) Same as YY = 00 (2) 00: LDN0 key 07: LDN7 key 08: To TAS 09: To the station assigned by CM58 YY = 09. • YY = 04 (Day mode diversion for busy destination station) <ul style="list-style-type: none"> (1) Same as YY = 00 (2) 00: To ATTCON (BUSY key) 08: To TAS 09: Camped on |
| | <p>Note: <i>A call is diverted to LDN0-7 keys as specified by CM58 YY = 02-07, even if CM50 YY = 01, 1-8 has been set.</i></p> | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

ATTENDANT CONSOLE (SN610): COMMON ROUTE INDIAL

| A | DESCRIPTION | DATA |
|------------|---|--|
| CM58 | If a station is designated by YY = 02, 03, assign the station number to which the call is to be diverted. | <ul style="list-style-type: none">• YY = 05 (Night mode diversion for busy destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) Same as YY = 04 • YY = 06 (Day mode diversion for non-answering destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) 00: To ATTCON (NANS key) 08: To TAS • YY = 07 (Night mode diversion for non-answering destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) Same as YY = 06 • YY = 08 (Day mode destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) X-XXXX (Station No.) • YY = 09 (Night mode destination station)<ul style="list-style-type: none">(1) Same as YY = 00(2) X-XXXX (Station No.) |
| <u>END</u> | | |

HARDWARE REQUIRED

PN-AUCA card (DID Trunk)

ATTENDANT CONSOLE (SN610): DIALED NUMBER IDENTIFICATION SERVICE (DNIS) (1300 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| START | | |
| CM08 | Provide the system with Diversion Display. | (1) 204 (2) 0:To be provided |
| CM35 | Specify the Incoming Call Identification (ICI) key to which each LDN call or Tie Line call from each trunk route will terminate. | <ul style="list-style-type: none"> • YY=15 (1) Trunk Route No. (00-63) (2) 00: C.O. Incoming Call 0 ? ? 07: C.O. Incoming Call 7 40: Tie Line Incoming Call 0 ? ? 47: Tie Line Incoming Call 7 |
| CM90 | Assign the ICI key required number of LDN to ICI keys. | <ul style="list-style-type: none"> • YY=00 (1) Attendant Console No. + + Key No. (2) F6000-F6007 (C.O. Incoming Call 0-7) F6040-F6047 (Tie Line Incoming Call 0-7) |
| CM50 | Assign the indialed number to each LDN key or Tie Line key assigned by CM90. The indialed number should be different from any numbers assigned by CM10 and CM11. | <ul style="list-style-type: none"> • YY=01 (For DID) (1) 0: Effective data in CM35, YY=15 1-8: LDN key No. (0-7) assigned by CM90 (2) X-XXXX (Indialed No.) • YY=02 (For Tie Line) (1) 0: Effective data in CM35, YY=15 1-8: Tie Line key No. (0-7) assigned by CM90. (2) X-XXXX (Indialed No.) |
| A | | |

**ATTENDANT CONSOLE (SN610): DIALED NUMBER IDENTIFICATION SERVICE (DNIS)
(1300 Series Enhancement)**

| A | DESCRIPTION | DATA |
|------------|---|--|
| CM58 | Tenant Number of the LDN assigned by CM50-1. | <ul style="list-style-type: none"> • YY=00 (1) 00: Effective data in CM35, YY=15 01-08: LDN Key No. assigned CM90. (2) 00-63: Tenant 00 ? Tenant 63 |
| | Assign desired company name to each LDN/ Tie Line key number assigned by CM90. | <ul style="list-style-type: none"> • YY=10 (1) 00: Effective data in CM35, YY=15 01-08: LDN key No. (0-7) 10: Effective data in CM35, YY=15 11-18: Tie Line key No. (0-7) (2) Character Code (20-5F: See Character Code Table at- tached) MAX: 8 digits |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): DIALED NUMBER IDENTIFICATION SERVICE (DNIS) (1300 Series Enhancement)

To provide the LDN Diversion feature, the following programming is also required.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM08 | Provide the system with LDN Diversion feature. | <ul style="list-style-type: none"> (1) 205 (2) 0: To be provided |
| CM58 | <p>Assign the data for LDN Diversion to each indialed number assigned by CM50, YY=01.</p> <p>Note that a call is diverted to LDN 0-7 keys as specified by CM58, YY=02, YY=03, even if CM50, YY=01, 1-8 has already been set.</p> <p>Assign desired company name to each LDN/ Tie Line key number assigned by CM90.</p> | <ul style="list-style-type: none"> • YY=02 (Day Mode Destination of the LDN) <ul style="list-style-type: none"> (1) 00: Effective data in CM35, YY=15 01-08: LDN key No. (0-7) assigned by CM90. 00: Effective data in CM35, YY=15 01-08: Tie Line key No. (0-7) assigned by CM90 (2) 00:LDN/TIE Line key 0 <ul style="list-style-type: none"> ⋮ 07: LDN/TIE Line key 7 • YY=03 (Night Mode destination) <ul style="list-style-type: none"> (1) Same as YY=02 (2) 00: LDN/TIE Line key 0 <ul style="list-style-type: none"> ⋮ 07: LDN/TIE Line key 7 • YY=08 (Day Mode destination station) <ul style="list-style-type: none"> (1) Same as YY=02 (2) X-XXXX (Station No.) • YY=09 (Night Mode destination station) <ul style="list-style-type: none"> (1) Same as YY=02 (2) X-XXXX (Station No.) • YY=10 <ul style="list-style-type: none"> (1) 00: Effective data in CM35, YY=15 01-08: LDN key No. (0-7) 10: Effective data in CM35, YY=15 11-18: Tie Line key No. (0-7) (2) Character Code (20-5F: See the table below) Max. 8 digit |
| <u>END</u> | | |

**ATTENDANT CONSOLE (SN610): DIALED NUMBER IDENTIFICATION SERVICE (DNIS)
(1300 Series Enhancement)**

Character Code Table

| Character | DATA | Character | DATA | Character | DATA | Character | DATA | Character | DATA | Character | DATA | Character | DATA |
|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|
| (space) | 20 | * | 2A | 4 | 34 | > | 3E | H | 48 | R | 52 | × | 5C |
| ! | 21 | + | 2B | 5 | 35 | ? | 3F | I | 49 | S | 53 |] | 5D |
| “ | 22 | , | 2C | 6 | 36 | @ | 40 | J | 4A | T | 54 | ^ | 5E |
| # | 23 | - | 2D | 7 | 37 | A | 41 | K | 4B | U | 55 | - | 5F |
| \$ | 24 | . | 2E | 8 | 38 | B | 42 | L | 4C | V | 56 | | |
| % | 25 | / | 2F | 9 | 39 | C | 43 | M | 4D | W | 57 | | |
| & | 26 | 0 | 30 | : | 3A | D | 44 | N | 4E | X | 58 | | |
| ‘ | 27 | 1 | 31 | ; | 3B | E | 45 | O | 4F | Y | 59 | | |
| (| 28 | 2 | 32 | < | 3C | F | 46 | P | 50 | Z | 5A | | |
|) | 29 | 3 | 33 | = | 3D | G | 47 | Q | 51 | [| 5B | | |

HARDWARE REQUIRED

PN -4DIT card (DID Trunk)

PN-2ODT card (Tie Line Trunk)

ATTENDANT CONSOLE (SN610): INCOMING CALL IDENTIFICATION

PROGRAMMING

Refer to Attendant Called/Calling Number, Attendant Call Selection, Attendant Source Key, Attendant Listed Directed Number, and Common Route Indial.

ATTENDANT CONSOLE (SN610): INDIVIDUAL TRUNK ACCESS

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for Direct Trunk Selection.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 081 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign the Trunk identification code to each trunk.</p> <p>The Trunk ID code is to be dialed after the access code, and displayed on the SN610 ATTCON.</p> | <ul style="list-style-type: none"> • YY = 19 (1) Trunk No. (000-255) assigned by CM10 (D000-D255) (2) <u>XXXX</u>: Trunk ID code Note *a <p>*a: Set any desired number (4 digit).</p> <p>Note: <i>By loading Resident System Program, Trunk Identification Codes are assigned as follows.</i></p> <p><u>1XXX</u> *a</p> <p>*a: Trunk Number (000-255)</p> |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): MULTIPLE CONSOLE OPERATION

PROGRAMMING

Refer to ATTENDANT CONSOLE (SN610 ATTCON).

ATTENDANT CONSOLE (SN610): MULTI-FUNCTION KEY

PROGRAMMING

START

CM60

Provide each SN610 ATTCON Multi-Function key capability.

- YY = 17
- (1) X: ATTCON No. (0-7) assigned by CM10
- (2) 1◀ : Ineffective/Effective

CM90

Assign the required Multi-Function keys the each SN610 ATTCON.

- YY=00
- (1) $\overline{EXX X} + \square +$ Multi-Function key
 $\begin{matrix} *a *b \\ \text{No.} \end{matrix} \begin{pmatrix} 01-06: \text{SN610} \\ 01-04: \text{SN716} \end{pmatrix}$

Note 1: *The following data is assigned as initial data or resident data.*

| Key # ATTCON Status # | 01 | 02 | 03 | 04 | 05 | 06 |
|--------------------------|----------------|----------------|----------------|---------------|---------------|-----------------|
| 00 | F6110 MODE | F6111 PROG | / | / | / | / |
| 01 | F6112 (SPB) | F6113 (LPB) | F6106 (SHF) | / | F6105 (SC) | F6203 (TALK) |
| 02 | / | / | / | / | / | F6107 (BV) |
| 03 | / | / | / | / | / | F6108 (DDOV) |
| 04 | F6100 (RC) | F6101 (MW) | F6102 (DD) | F6109 (WU) | / | F6104 RESET |

Note 2: *When setting or canceling a group of stations in DND/RC, ATTCON Status No. 00 should be used.*

Note 3: *For the SN716 DESKCON Multi-Function key, do not assign the MODE key (F6110).*

*a: ATTCON Status No. (00-15)

- 00 : Idle State
- 01 : When Answering or Originating
- 02 : When the called station is busy
- 03 : When the called station is DND
- 04 : When accessing Hotel/Motel feature
- 05-15 : Not Used

*b: ATTCON No. (0-7)

- (2) $F6\overline{XXX}$
 $\begin{matrix} *a \\ \end{matrix}$

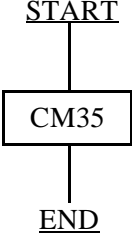
*a: Setting Data (000-255)

- 105 (SC)
- 106 (SHF)
- 112 (SPB)
- 113 (LPB)
- 203 (TALK)
- 107 (BV)
- 108 (DDOV)
- 100 (RC)
- 101 (MN)
- 102 (DD)
- 109 (WU)
- 104 (RESET)

END

ATTENDANT CONSOLE (SN610): PUSHBUTTON CALLING-ATTENDANT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|--|---|
|  | Assign the type of signaling (DTMF) to Outgoing and Bothway Trunk Routes. | <ul style="list-style-type: none">• YY = 01(1) Trunk Route No. (00-63)(2) 7 |

ATTENDANT CONSOLE (SN610): SERIAL CALL

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM90 | Assign the SERIAL CALL SET and SERIAL CALL Keys on the SN610 ATTCON. | <ul style="list-style-type: none">• YY = 00(1) ATTCON No. + <input type="checkbox"/> + Key No.(2) F6062: Serial Call TerminationF6105: Serial Call Set |
| <u>END</u> | | |

ATTENDANT CONSOLE (SN610): TRUNK GROUP BUSY DISPLAY

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM30 | Assign the Trunk Group No. to each trunk. Several trunks may be assigned to one Trunk Group Number. | <ul style="list-style-type: none"> YY = 09 (1) 000-255 (Trunk No.) (2) 01-62 (Trunk Group No.) |
| CM90 | <p>For providing the Trunk Group Busy Lamps on SN610 ATTCON, assign the Trunk Group No. to required key on SN610 ATTCON.</p> <p>Note 1: <i>Max.6 keys per SN610 ATTCON can be assigned. (Any six Trunk Group No. out of Trunk Group No. 01-62 can be assigned.)</i></p> <p>Note 2: <i>Keys No. 1-6 should not be assigned to provide a Trunk Group Busy Lamp</i></p> | <ul style="list-style-type: none"> YY = 00 (1) ATTCON No. + <input type="text"/> + Key No. (2) F12XX *a *a: 01-62 (Trunk Group No. assigned by CM30 YY = 09) |
| CM44 | For providing external Trunk Group Busy Lamps, assign the Trunk Group No. to the required circuit number on the PN-DK00 card. | <ul style="list-style-type: none"> (1) XX X *a *b *a: 00-31 (Card No. of PN-DK00 assigned by CM10, E800-E831) *b: 0-3 (Circuit No.) (2) 11XX *a *a: 01-62 (Trunk Group No. assigned by CM30 YY = 09) |
| END | | |

HARDWARE REQUIRED

To provide the Trunk Group Busy Lamps on Attendant Console:
SN610 ATTCON and PN-2DLCC card

To provide the Trunk Group Busy Lamps externally:
PN-DK00 card and lamp indicator provided by the customer.

ATTENDANT CONSOLE (SN610): UNSUPERVISED TRUNK-TO-TRUNK TRANSFER BY ATTENDANT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---------------------------------------|-------------------------------|
| CM08 | Provide the system with this feature. | (1) 206 (2) 1◀ : Available |
| <u>END</u> | | |

Note: *The trunk associated with at least one side of the call must be programmed for answer and/or release signal(s) to ensure the trunks do not lock up. Refer to TRUNK-TO-TRUNK CONNECTION for data to be assigned to each trunk.*

ATTENDANT CONSOLE (SN716 DESKCON)

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM10 | Assign the card number of the interface circuit for the SN716 DESKCON to its associated LEN. | (1) 0000-0511 : LEN No. (2) E000-E007 : ATTCON No. |
| CM30 | Set the terminating system for the incoming calls to SN716 DESKCON. | <ul style="list-style-type: none"> • YY=02 (Day mode), YY=03 (Night mode) (1) Trunk No. (000-255) (2) 14: Termination to SN716 DESKCON |
| CM90 | Assign the required Attendant Call Selection keys and ATTCON Function keys to each SN716 DESKCON. If no data is set, the default setting is as follows (Refer to MULTI-FUNCTION KEY for assignment of Multi-Function Keys): | <ul style="list-style-type: none"> • YY=00 (1) ATTCON No. EXX X+ [] + Key No. <ul style="list-style-type: none"> └─ ATTCON No. (0-7) └─ ATTCON Status No. (00-15) <ul style="list-style-type: none"> 00: Idle State [Same as Key Assign (1)] 01: When answering or originating 02: When the called station is busy 03: When the called station is in Do Not Disturb mode 04: When accessing Hotel/Motel feature 05: } Not Used ? } 15: } |
| A | | (2) F6000-F6067: Type of Calls to be assigned F6100-F6245: Functions to be assigned |

ATTENDANT CONSOLE (SN716 DESKCON)

A

DESCRIPTION

DATA

| Key # ATTCON Status # | 01 | 02 | 03 | 04 | 05 | 06 |
|-----------------------------|----------------|----------------|----------------|---------------|---------------|-----------------|
| 00 | F6110 MODE | F6111 PROG | / | / | / | / |
| 01 | F6112 (SPB) | F6113 (LPB) | F6106 (SHF) | / | F6105 (SC) | F6203 (TALK) |
| 02 | / | / | / | / | / | F6107 (BV) |
| 03 | / | / | / | / | / | F6108 (DDOV) |
| 04 | F6100 (RC) | F6101 (MW) | F6102 (DD) | F6109 (WU) | / | F6104 RESET |

Note: *When the SN716 is used to set H/M features, the "Reset" key should be assigned to one of the feature keys (i.e Key 21) in the Idle mode.*

| <u>KeyNo.</u> | <u>Data</u> | <u>Description</u> |
|---------------|-------------|--|
| 13 | F6000 | C.O. Incoming 0 (LDN) |
| 14 | F6040 | Tie Line Incoming 0 (TIE0) |
| 15 | F6064 | Call Forwarding-Busy Line Incoming Indication (BUSY) |
| 16 | F6060 | Operator Call (ATND) |
| 17 | F6063 | Call Forwarding-No Answer Incoming Indication (NANS) |
| 18 | F6061 | Recall (Recall) |
| 19 | F6200 | Source (SRC) |
| 20 | F6201 | Destination (DEST) |
| 22 | F6203 | Talk (Talk) |
| 23 | F6204 | Hold (Hold) |
| 24 | F6202 | Cancel (Cancel) |
| 25 | | Answer (Answer) |
| 26 | | Release (Release) |

B

ATTENDANT CONSOLE (SN716 DESKCON)

| | DESCRIPTION | DATA |
|------------|---|---|
| B | | |
| CM60 | <p>Specify the type of the Attendant Console.</p> <p style="text-align: right;">(INITIAL)</p> | <ul style="list-style-type: none"> • YY=22 (1) ATTCON No. (0-7) (2) 0 : SN716 DESKCON 1◀ : SN610 ATTCON |
| | <p>Allocate the ATT Group No. to each SN716 DESKCON.</p> | <ul style="list-style-type: none"> • YY=00 (1) ATTCON No. (0-7) (2) 0: ATT GROUP 0 3: ATT GROUP 3 |
| | <p>Specify the Master SN716 DESKCON within the ATT Group assigned by YY=00.</p> <p style="text-align: right;">(INITIAL)</p> | <ul style="list-style-type: none"> • YY=01 (1) ATTCON No. (0-7) (2) 0/1◀ : Master/Sub |
| | <p>When providing 2nd Ringing feature on the SN716 DESKCON, make Off-Hook Ringing effective.</p> | <ul style="list-style-type: none"> • YY=16 (1) ATTCON No. (0-7) (2) 0: To be provided |
| CM62 | <p>Specify the tenants to be handled by each ATT Group.</p> <p style="text-align: right;">(INITIAL)</p> | <ul style="list-style-type: none"> • Y=0-3 (1) Tenant No. (00-63) (2) 0/1◀ : To be handled/Not to be handled |
| <u>END</u> | | |

ATTENDANT DELAY ANNOUNCEMENT

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign a Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px; margin-left: 20px;"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Provide the Announcement Service via Digital Announcement Trunk on Attendant Delay Announcement.</p> | <ul style="list-style-type: none"> • YY = 74 (1) Trunk Route No. (00-63) (2) 0/1 ◀ : Allowed/Restricted |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM49</div> | <p>Assign the function of the Digital Announcement Trunk Circuit.</p> | <ul style="list-style-type: none"> • YY = 00 (1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127) (2) <u>0F XX</u>: <ul style="list-style-type: none"> *a *b *a: Attendant Delay Announcement *b: Message No. (00-63) • YY = 0A (1) XX: Tenant No. (2) XX: Message No. (00-63) assigned by CM49 YY = 00 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

ATTENDANT DELAY ANNOUNCEMENT

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM08 | Specify the replaying of the message recorded in the Digital Announcement Trunk. | (1) 165 (2) 0 : The message is replayed at an interval assigned by CM41 Y= 0, Function No. 47. 1◀ : The message is played only once. |
| CM20 | To record, replay, and delete a message, assign the Digital Announcement Trunk access codes, respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) A00: Record A01: Replay A02: Delete |
| | Specify the unanswered timing of message replay. | <ul style="list-style-type: none"> • Y = 0 (1) 16 (2) 01-30 : 4 sec-120 sec. in 4-sec. increments If no data is set, the default setting is 32-36 seconds. |
| CM41 | Specify the interval time of message replay. | <ul style="list-style-type: none"> • Y = 0 (1) 47 (2) 01-30 : 4 sec.-120 sec. in 4-sec. increments If no data is set, the default setting is 32-36 seconds. |
| <u>END</u> | | |

ATTENDANT OVERFLOW

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Provide the system with ATTENDANT OVERFLOW. | (1) 067 (2) 0: Available |
| CM30 | Assign the data for terminating system in Day/ Night Mode for each trunk. | <ul style="list-style-type: none"> • YY = 02 (Day Mode) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) 14: Termination to SN610 ATTCON • YY = 03 (Night Mode) <ul style="list-style-type: none"> (1) Trunk No. (2) 04: DIT 09: Automated Attendant Note • YY = 05 (Night Station Assignment) <ul style="list-style-type: none"> (1) Trunk No. (2) X-XXXX (Station No.) |
| CM41 | Specify the Timing Interval for ATTENDANT OVERFLOW. | <ul style="list-style-type: none"> • Y = 0 <ul style="list-style-type: none"> (1) 01: (2) 01-30 : 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| END | | |

Note: Refer to the Automated Attendant feature programming section in this manual for assignment information of the Automated Attendant when using the Automated Attendant as the Attendant Overflow destination.

ATTENDANT OVERRIDE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM08 | <p>Provide the system with ATTENDANT OVERRIDE.</p> <p>Specify the interval of the Warning Tone sent to the connected parties.</p> <p>Specify whether the Warning Tone is sent to the outside party.</p> | <p>(1) 012 (2) 1◀ : Available</p> <p>(1) 045 (2) 0 : Only Once 1◀ : Every 4 sec.</p> <p>(1) 076 (2) 0 : To be sent out. 1◀ : Not to be sent out.</p> |
| CM12 | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) <u>XX XX</u> *a <p>*a: Service Restriction Class (A) (00-15◀)</p> |
| CM15 | Assign this feature to the Service Restriction Class (A) assigned by CM12 YY= 02. | <ul style="list-style-type: none"> • YY = 09 (1) XX:Service Restriction Class (A) assigned by CM12 YY = 02. (2) 1◀ : Allowed |
| CM20 | Assign the access code for Individual Trunk Access. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX : Access Code (2) 081 : Individual Trunk Access |
| CM30 | <p>Assign the Trunk Identification Code to each trunk.</p> <p>Note: <i>By loading the Resident System Program, Trunk Identification Codes are assigned as follows:</i></p> <p style="text-align: center;"><u>1XXX</u> *a</p> <p>*a: Trunk Number (000-255)</p> | <ul style="list-style-type: none"> • YY = 19 (1) Trunk No. (000-255) (2) XXXX: Trunk ID Code |
| A | | |

ATTENDANT OVERRIDE

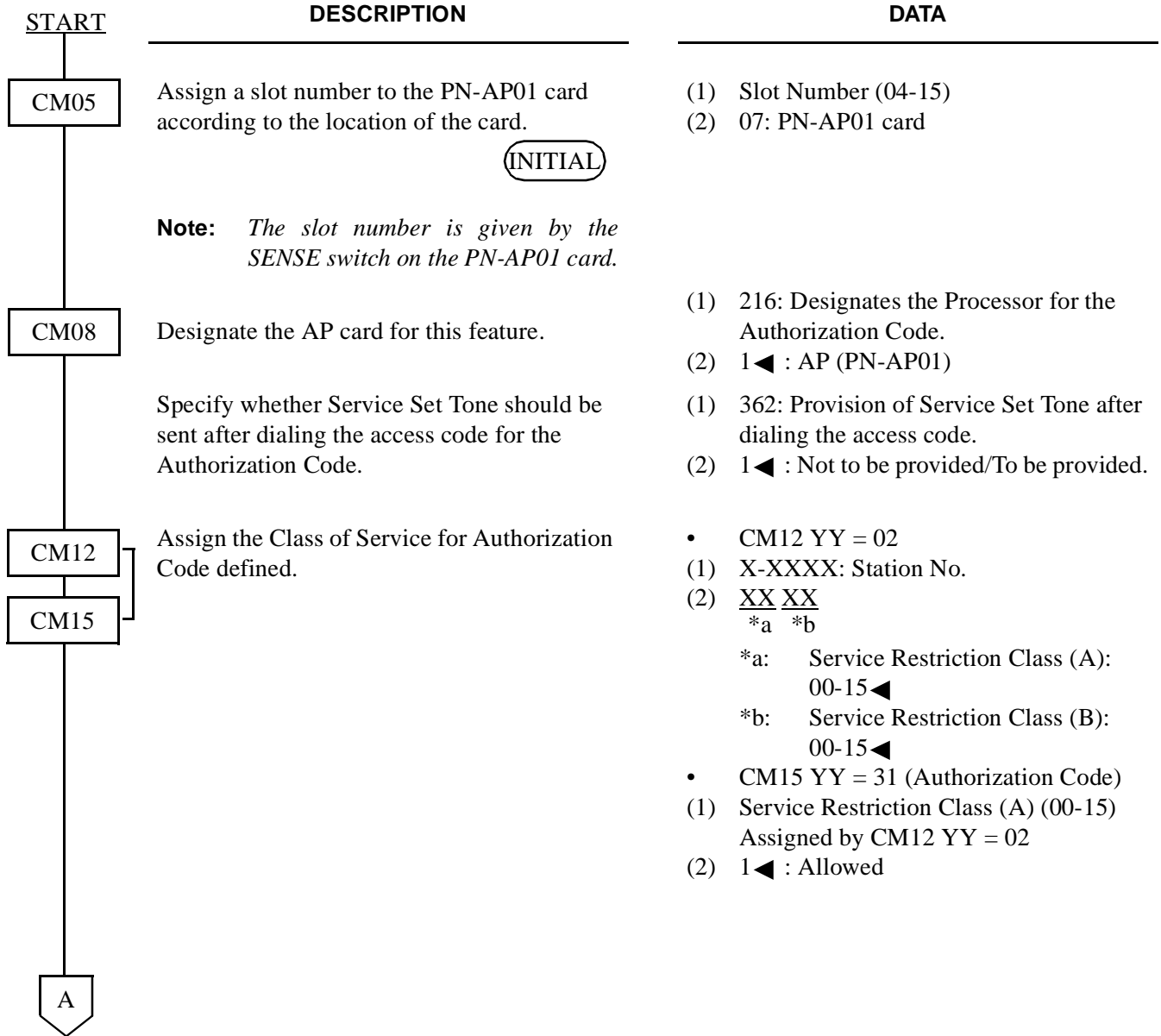
| A | DESCRIPTION | DATA |
|------|--|--|
| CM90 | Assign the BV key to SN610 Attendant Console. | <ul style="list-style-type: none">• YY = 00(1) ATTCON No. + <input type="text"/> + Key No.(2) F6107: Busy Verification |
| END | Note: <i>By Resident System Program, one of the Multi-Function keys is assigned as a BV key (when receiving Busy Tone).</i> | |

Note: *This feature cannot be used in conjunction with Attendant Lockout.*

AUTHORIZATION CODE

PROGRAMMING

1. In a system with an Application Processor (PN-AP01)



AUTHORIZATION CODE

| A | DESCRIPTION | DATA |
|------|---|---|
| CM20 | Assign the access code for each Authorization Code. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 086: Authorization Code |
| CM42 | Specify the maximum number of digits for each Authorization Code. | <ul style="list-style-type: none"> (1) 11: Authorization Code Max. digits (2) Max. number of digits (01-10◀). <p>If Check Code is provided, the maximum number of digits is limited to eight (8).</p> |
| | <p>Note: <i>CMD6 must be completed prior to programming CMD5.</i></p> | |
| CMD6 | <p>Set the SENSE1 switch on the DN-AP01 Board, as shown below.</p> <div style="text-align: center; margin: 10px 0;"> <p>ONSENSE1 4 3 2 1 ON →</p> </div> <p>Load the initial data into the PN-AP01 by performing the following: ST + D60 + DE + 0000 + DE + CCC + EXE After about 30 seconds the AP initialization is completed an the “RUN” lamp on the PN-AP01 lights.</p> <p>Set the SENSE1 switch on the PN-AP01 board, as shown below.</p> <div style="text-align: center; margin: 10px 0;"> <p>ONSENSE1 4 3 2 1 ON →</p> </div> | |
| B | | |

AUTHORIZATION CODE

B

CMD5

DESCRIPTION

Specify the conditions for adding a Check Code to each Authorization Code.
 A Check Code consists of 2 digits:
 The 1st and 2nd Check Code are generated by the AP according to the conditions specified by Y = 0 and Y = 1.

Authorization Code:

$X_1 X_2 X_3 X_4 X_5 X_6 X_7 X_8 C_1 C_2$

ID Code programmed Check Code

| DIGIT | X ₁ | X ₂ | X ₃ | X ₄ |
|-------|----------------|----------------|----------------|----------------|
| DATA | X ₅ | X ₆ | X ₇ | X ₈ |
| 0 | No Check Code | | | |
| 1 | X | | | |
| 2 | | X | | |
| 3 | X | X | | |
| 4 | | | X | |
| 5 | X | | X | |
| 6 | | X | X | |
| 7 | X | X | X | |
| 8 | | | | X |
| 9 | X | | | X |
| A | | X | | X |
| B | X | X | | X |
| C | | | X | X |
| D | X | | X | X |
| E | | X | X | X |
| F | X | X | X | X |

X: Significant Digit for Check Code

DATA

- Y = 0 (Designation of Significant digits for Check Code generation)
 - (1) 0: For 1st Check Code
1: For 2nd Check Code
 - (2) 00 X X: Significant digit designation
*a*b
*a: 1st-4th digit (0-F) (See left column)
*b: 5th-8th digit (0-F)

If no Check Code is required, set data = 0000 for both 1st and 2nd Check Code.

- Y = 1 (Setting of Check Sum Data for generating Check Code)
 - (1) 0: For 1st Check Code
1: For 2nd Check Code
 - (2) 0-9: Check Sum Data (Enter desired value)

C

AUTHORIZATION CODE

| | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">C</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center; line-height: 20px;">CMD5</div> <div style="border-bottom: 1px solid black; width: 100%; height: 400px; margin-top: 5px;"></div> <div style="text-align: center; margin-top: 5px;"><u>END</u></div> | <p>Set the Authorization Code and its temporary Class of Service. By entering the Authorization Code, the Check Code will be displayed on the MAT or CAT.</p> <ul style="list-style-type: none"> • Temporary Class of Service <ul style="list-style-type: none"> X₁: Type of Temporary Class of Service <ul style="list-style-type: none"> 0: Unrestricted 1: Fully-Restricted 2: As per X₂-X₉ 9: Delete the ID Code X₂X₃: Trunk Restriction Class (01-08) specified by CM35 YY = 51-68. X₄X₅: Service Restriction Class (A) (01-15) X₆X₇: Service Restriction Class (B) (01-15) X₈X₉: Service Restriction Class (C) (01-15) | <ul style="list-style-type: none"> • Y = 3 (1) X-X...X: Authorization Code (Max. number of digits specified by CM42-11.) (2) X₁ (Single Digit): When X₁ = 0, 1 or 9 X₁X₂...X₉ (9 digits): When X₁ = 2 <p style="text-align: center;">(See left column)</p> <p style="text-align: right;">As per CM15</p> |

Note 1: Up to 1,000 Authorization codes combined with Forced Account Codes and Direct Inward System Access (DISA) codes can be defined.

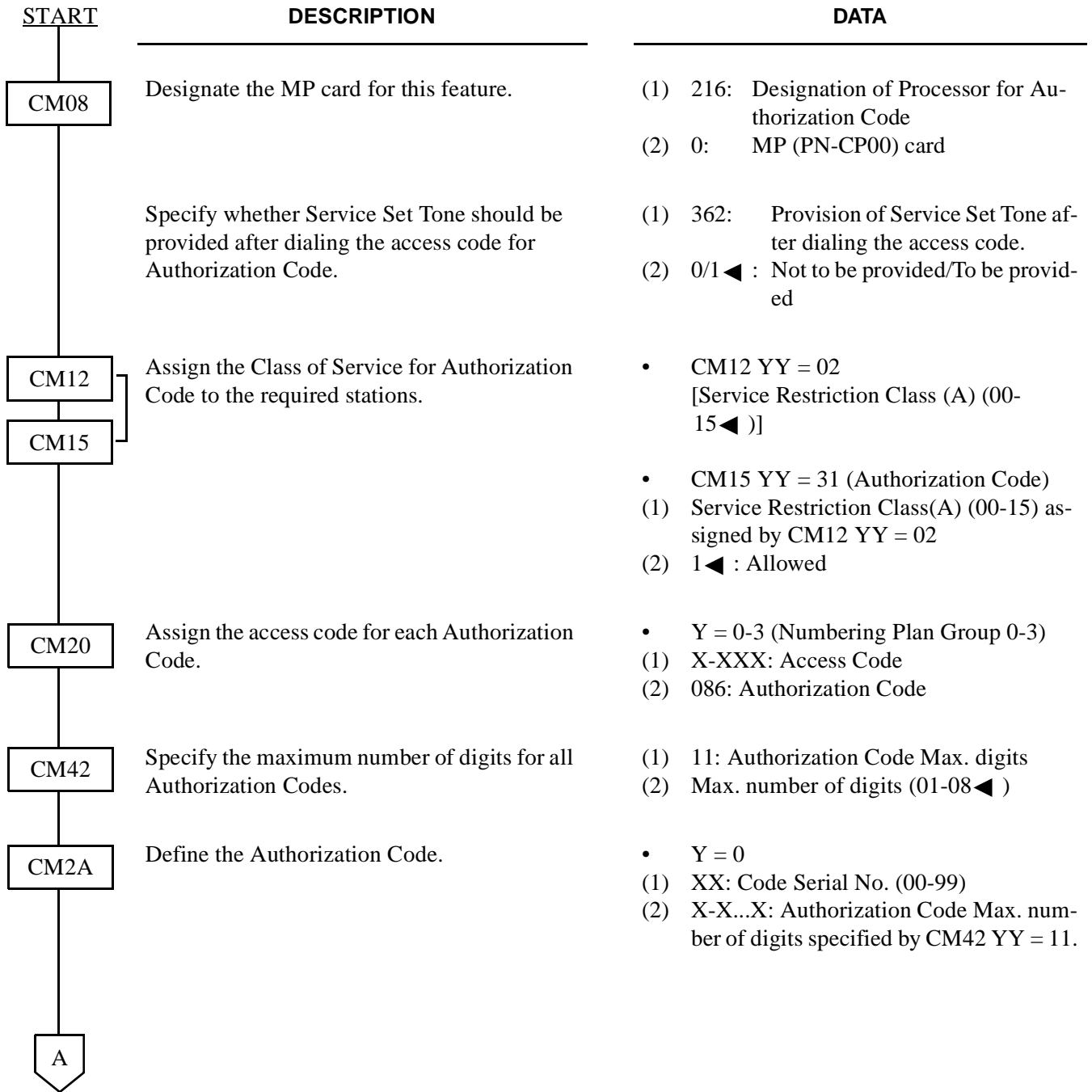
Note 2: When deleting all ID codes stored in the PN-AP01 card at one time, do the following operation:

[ST] + D60 + [DE] + 0000 + [DE] + CCC + [EXE]

Note 3: When providing Mask Data for Authorization Codes, assign CMD001-160-175 (Refer to the SMDR System Manual).

AUTHORIZATION CODE

2. In a system without an Application Processor (PN-AP01)



AUTHORIZATION CODE

| | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM2A</div> <div style="border-bottom: 1px solid black; width: 100%; height: 350px; margin-top: 5px;"></div> <div style="text-align: center; margin-top: 5px;"><u>END</u></div> | <p>Define the purpose (Y = 1) and the temporary Class of Service (Y = 2-4) for each Authorization Code.</p> | <ul style="list-style-type: none"> • Y = 1 (Purpose of the Code) <ol style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) 1: Authorization Code • Y = 2 (Trunk Restriction Class) <ol style="list-style-type: none"> (1) XX : Code Serial No. (00-99) (2) X : Trunk Restriction Class (1-8) specified by CM35 YY = 51-68. • Y = 3 [Service Restriction Class (A)/ (B)] <ol style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) <u>XX XX</u>: <ul style="list-style-type: none"> *a *b *a: Service Rest. Class (A) 00-15 ◀ *b: Service Rest. Class (B) 00-15 ◀ • Y = 4 (Service Restriction Class (C)) <ol style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) XX: Service Rest. Class (C) 00-15 ◀ |

Note: Up to 100 Authorization Codes combined with Forced Account Codes can be defined.

AUTOMATED ATTENDANT

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign the data for Automated Attendant to the required trunks.</p> <p>Note: <i>When providing a Night Message for Automated Attendant, the 2nd Answering Message which is assigned by CM49 YY=00, 2nd data 02XX is used for the Night Message. In that case, the 2nd data 08 of CM30 YY=30, 31 cannot be specified for handling of Busy/Not Available Automated Attendant destination.</i></p> | <ul style="list-style-type: none"> • YY=02 (Terminating System in Day mode) • YY=03 (Terminating System in Night mode) (1) Trunk No. (000-255) (2) 09: Automated Attendant • YY=30 (Handling of busy/not available Automated Attendant destination in Day mode) • YY=31 (Handling of busy/not available Automated Attendant destination in Night mode) (1) Trunk No. (000-255) (2) 00 : C.O. Line Release 01 : Forwarded to TAS 03 : Forwarded to ATTCON 04 : Forwarded to DIT Station 06 : DT Connection for redial 08 : 2nd Answering Message + DT Connection for redial Note 15◀ : C.O. Line Release • YY=32 (Handling of timed-out Automated Attendant Call in day mode) • YY=37 (Handling of time-out Automated Attendant in night mode) (1) Trunk No. (000-255) (2) 00 : C.O. Line Release 01 : Forwarded to TAS 03 : Forwarded to ATTCON 04 : Forwarded to DIT Station 06 : DT Connection for redial 15◀ : C.O. Line Release |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

AUTOMATED ATTENDANT

| | DESCRIPTION | DATA |
|------|---|--|
| A | | |
| CM30 | | <ul style="list-style-type: none"> • YY=33 (When YY=30, 31 is set to data 08, and all DTMF Receivers are busy.) (1) Trunk No. (000-255) (2) 00 : Disconnection 01 : Forwarded to TAS Indicator 03 : Forwarded to SN610 ATTCON 15◀ : Disconnection |
| CM45 | Assign the DTMF Receiver for only Automated Attendant, if desired. | <ul style="list-style-type: none"> • Y=2 (1) <u>XX X</u>: DTMF Receiver No. <ul style="list-style-type: none"> └ Card No. 00-15 assigned by CM10 (E200-E215) └ Circuit No. (0-3) (2) 0: Only for Automated Attendant |
| CM63 | Specify whether inter-tenant connection is allowed on an Automated Attendant incoming call. | <ul style="list-style-type: none"> • Y=2 (1) <u>XX XX</u> *a *b *a: Tenant No. (00-63) of called station *b: Tenant No. (00-63) of trunk (2) 0/1◀ : Restricted/Allowed |
| CM64 | Assign the answering method for the Automated Attendant, to the required tenants. | <ul style="list-style-type: none"> • Y=0 (1) Tenant No. (00-63) (2) 00 : DT Connection 02 : 1st Answering Message + DT Connection 03◀ : DT Connection |
| | For providing a Night message, assign the answering method of Night Mode, to the required tenants. (1900 Series Release 2 Enhancement) | <ul style="list-style-type: none"> • Y=2 (1) Tenant No. (00-63) (2) 00 : DT Connection 01 : Hold Tone on MP Card + DT Connection 02 : Night Message (Assigned by CM49 YY=00-02XX) 03◀ : According to the data set by CM64 Y=0 |
| B | | |

AUTOMATED ATTENDANT

| B | DESCRIPTION | DATA |
|------|--|--|
| CM48 | Specify whether no Dial tone connection is required for the answering method assigned by CM64 Y=0. | <ul style="list-style-type: none"> • Y=2 (1) 06 (2) 0/1 ◀ : Without DT/With DT |
| CM08 | Specify the ringing rate for an Automated Attendant Call. | <ul style="list-style-type: none"> (1) 180 (2) 0/1 ◀ : 0.2 sec. ON-0.2 sec. OFF 0.2 sec. ON-0.2 sec. OFF 0.2 sec. ON-2 sec. OFF /As per CM35 YY=33 |
| | Specify the process when a call is transferred by an Automated Attendant to a predetermined Station and time-out occurs. | <ul style="list-style-type: none"> (1) 359 (2) 0/1 ◀ : Disconnect the call/Continue to call |
| | Specify the process for an Automated Attendant call when a caller dials while receiving the message. | <ul style="list-style-type: none"> (1) 363 (2) 0/1 ◀ : Not allowed (Allowed after receiving the message/Allowed) |
| CM41 | Specify the time before an Automated Attendant Call is redirected because no digits are received from the calling party. | <ul style="list-style-type: none"> • Y=0 (1) 34 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| | Specify the time before answering by Automated Attendant. | <ul style="list-style-type: none"> • Y=0 (1) 59 (2) 00-08: 0-32 sec. If no data is set, the default setting is 4-8 seconds. |
| | Specify the timing of unanswered call after forwarding to predetermined station in Automated Attendant. | <ul style="list-style-type: none"> • Y=0 (1) 39 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| | Specify the time before Dial Tone time-out in Automated Attendant. | <ul style="list-style-type: none"> • Y=0 (1) 43 (2) 01-14: 1-14 sec. in 1 sec. increments If no data is set, the default setting is 14 seconds. |
| C | | |

AUTOMATED ATTENDANT

When the 1st and/or 2nd answering message is required: CM30 YY=30, 31, 2nd data 08/CM64 Y=0, 2nd data 02, or Night Message is required: CM64 Y=2, 2nd data 02, do the following programming. The following steps are always required.

| C | DESCRIPTION | DATA |
|------|--|--|
| CM10 | Assign a Digital Announcement Trunk Circuit No. to the required LEN. Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px; margin-left: 20px;"> <ul style="list-style-type: none"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> |
| CM49 | Assign the function of the Digital Announcement Trunk. Assign the Message No. to the required tenants. | <ul style="list-style-type: none"> • YY=00 (1) XXX: Digital Announcement Trunk Circuit No. (000-127) assigned by CM10. (2) $\frac{XX}{*a} \frac{XX}{*b}$ <ul style="list-style-type: none"> *a: 01: 1st Answering Message 02: 2nd Answering Message /Night Message *b: Message No. (00-63) • YY=01 (For 1st Answering Message) • YY=02 (For 2nd Answering Message /Night Message) (1) XX: Tenant No. (00-63) (2) XX: Message No. (00-63) assigned by YY=00. |
| CM20 | To record, replay, or delete a message, assign the respective Digital Announcement Trunk access codes. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: (Access Code) (2) A00: Record A01: Replay A02: Delete |
| CM41 | Specify the message replay timer for Automated Attendant. | <ul style="list-style-type: none"> • Y=0 (1) 51 (2) 01-15: 4-60 sec. in 4 sec. increments <p>If no data is set, the default setting is 36-40 seconds.</p> |
| END | | |

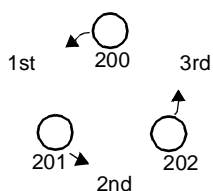
HARDWARE REQUIRED

For providing the first and/or second Answering Message/Night Message, Digital Announcement Trunk (PN-2DATA) is required.

AUTOMATIC CALL DISTRIBUTION (ACD)

PROGRAMMING

To activate ACD:

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM17</div> | <p>For each ACD Group, assign station numbers, one by one, in the order of hunting.</p> <p>Note: <i>Up to 60 stations can be assigned into a single ACD group.</i></p> <p>Example: <i>For setting Station Numbers 200, 201, 202 into one ACD Group.</i></p> <p>1st Operation (1) 200 (2) 201</p> <p>2nd Operation (1) 201 (2) 202</p> <p>3rd Operation (1) 202 (2) 200</p>  | <ul style="list-style-type: none"> • Y = 0 <ol style="list-style-type: none"> (1) X-XXXX (Station No.) (2) X-XXXX (Another Station No. to be linked) |
| | <p>Assign the Pilot Station and Member Station.</p> <p>Note: <i>Pilot station must be a non-equipped LEN (CM10) phantom.</i></p> <p>Assign the ACD Group Number.</p> | <ul style="list-style-type: none"> • Y = 1 <ol style="list-style-type: none"> (1) X-XXXX (ACD Station No.) (2) 1/0 ◀ : Pilot Station/Member Station • Y = 2 <ol style="list-style-type: none"> (1) X-XXXX (ACD Station No.) (2) 00-15 (ACD Group 00-15) |
| | <p>Specify ACD service for each type of call.</p> | <ul style="list-style-type: none"> • Y = 4 (Internal Call: from station/ATTCON) <ol style="list-style-type: none"> (1) X-XXXX (Pilot Station No. of the ACD Group) (2) 0/1 ◀ : Not to be provided/To be provided • Y = 5 (C.O. Incoming Call: DDD: FX/WATS) <ol style="list-style-type: none"> (1) X-XXXX (Pilot Station No. of the ACD Group) (2) 0/1 ◀ : Not to be provided/To be provided |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

| | DESCRIPTION | DATA |
|------|---|---|
| A | | |
| CM17 | | <ul style="list-style-type: none"> • Y = 6 (Tie Line Incoming Call) (1) X-XXXX (Pilot Station No. of the ACD Group) (2) 0/1 ◀ : Not to be provided/To be provided <ul style="list-style-type: none"> • Y = 7 (DID Call) (1) X-XXXX (Pilot Station No. of the ACD Group) (2) 0/1 ◀ : Not to be provided/To be provided <ul style="list-style-type: none"> • Y=B (Designation of the number of queuing in each ACD group) (1) X-XXXX (Pilot Station No. of the ACD Group) (2) 0/1 ◀ : To be provided (See CM42-16)/ Not to be provided |
| CM42 | Specify the maximum number of queuing in each ACD group. | <ul style="list-style-type: none"> (1) 16 (2) 01-99 (Number of queuing in each ACD group) |
| CM41 | Specify the basic call answer delay time for use in PEG Count analysis. | <ul style="list-style-type: none"> • Y = 0 (1) 16 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| CM20 | Assign the access code for ACD Station Busy-Out Set and Reset. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 044: Busy-Out Set 045: Busy-Out Reset |
| B | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

| B | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | Assign the ACD Busy-Out key on the Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + [] + Key No. (2) F0044: ACD Busy-Out |
| | Assign the Release key on the Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + [] + Key No. (2) F1020: Release |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | Specify the processing for an incoming call when all ACD Stations are busy. | <ul style="list-style-type: none"> (1) 212 (2) 0/1 ◀ : Busy Tone Connection/Queuing |
| | Specify the processing for a held call after the agent sets the ACD Busy-Out. | <ul style="list-style-type: none"> (1) 214 (For the held Call from Tie Line) (2) 0/1 ◀ : Reconnected by Switch Hook Flash/ Disconnected |
| | Specify whether the transferred C.O. call from a station or SN610 ATTCON is placed into queuing mode when all ACD stations are busy. | <ul style="list-style-type: none"> (1) 215 (For the held call from C.O. Line) (2) 0/1 ◀ : Reconnected by Switch Hook Flash/ Disconnected |
| | Specify whether the transferred C.O. call from a station or SN610 ATTCON is placed into queuing mode when all ACD stations are busy. | <ul style="list-style-type: none"> (1) 227 (2) 0: The call is placed into queuing mode. <p>Note</p> <ul style="list-style-type: none"> 1 ◀ : Recall to the transferring station (when the call is transferred from a station) or attendant Camp-On is set (when the call is transferred from the ATTCON.) |
| | Note: <i>This data is only effective when CM08-212 is set to 1.</i> | |
| | Enable the ACD Busy-Out set and reset from the secondary extension. (1200 Series Enhancement) | <ul style="list-style-type: none"> (1) 442 (2) 0/1 ◀ : Available/Not Available |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

To provide ACD delay announcement:

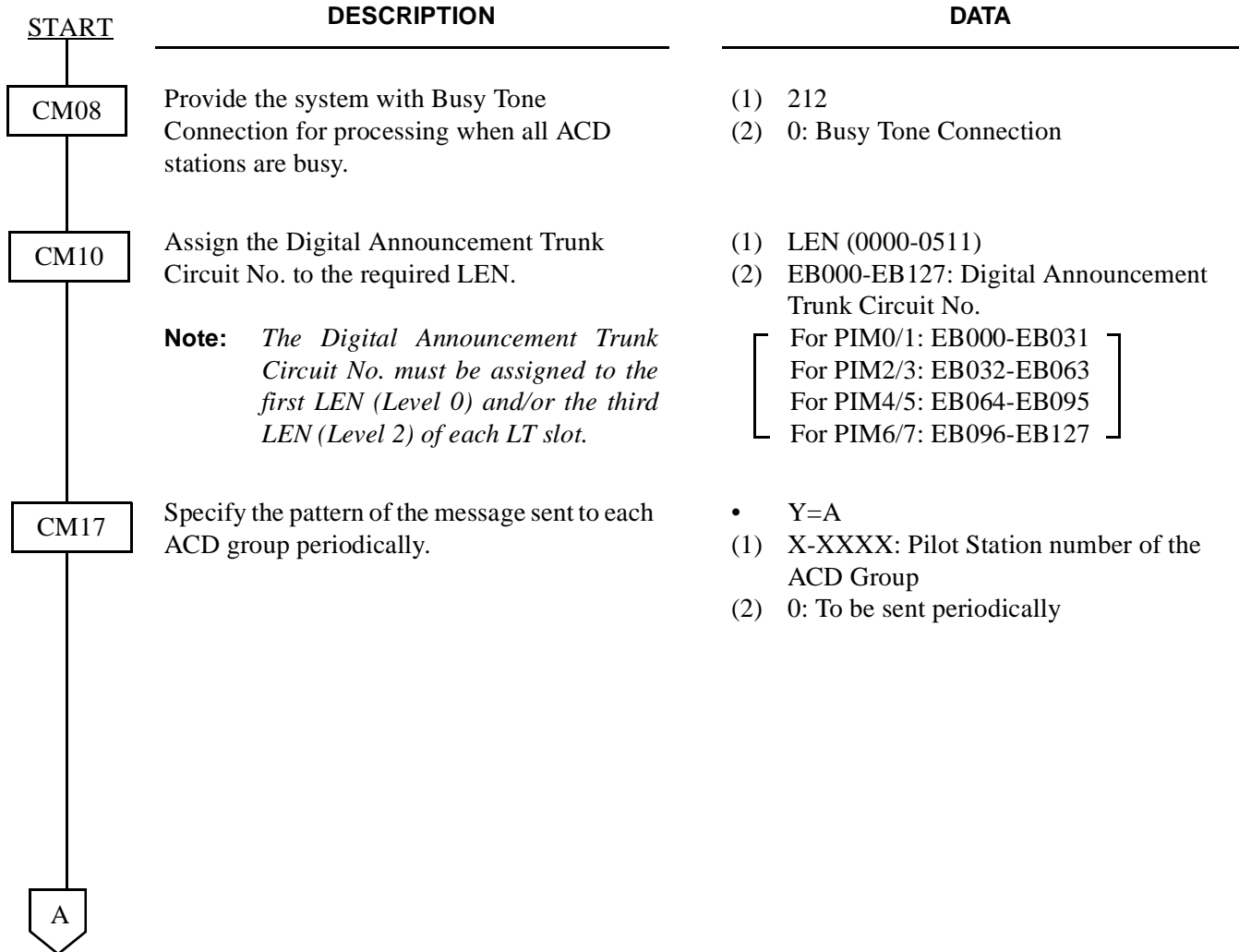
| START | DESCRIPTION | DATA |
|---|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM15</div> | Assign the Class of Service for Digital Announcement Trunk Access (Record/Replay/Delete) to the required station. | <ul style="list-style-type: none"> • CM12 YY=02 <ol style="list-style-type: none"> (1) X-XXXX: Station No. (2) <u>XXXX</u> *a *a: Service Restriction Class (A) (00-15◀) • CM15 YY=33 <ol style="list-style-type: none"> (1) XX: Service Restriction Class (A) assigned by CM12 YY=02 (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM10</div> | Assign the Digital Announcement Trunk Circuit No. to the required LEN. Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> | <ol style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px; margin-left: 20px;"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127 </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM17</div> | Specify the pattern of the message sent to each ACD group periodically. | <ul style="list-style-type: none"> • Y=A <ol style="list-style-type: none"> (1) X-XXXX: Pilot Station number of the ACD Group (2) 0: To be sent periodically |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM41</div> | If the data for CM17 Y = A is “0,” set the interval time for repetition of the ACD Delay Announcement. Define the maximum waiting time of an ACD Call before affecting the ACD PEG Count. This timing is also applied to the duration of Ringback Tone after a call arrives, prior to answer by the ACD Delay Announcement. | <ul style="list-style-type: none"> • Y = 0 <ol style="list-style-type: none"> (1) FUNCTION No.: 47 (2) 01-30 (12 -134 sec.) If no data is set, the default setting is 44-50 sec. • Y = 0 <ol style="list-style-type: none"> (1) FUNCTION No.: 16 (2) 02-30 (8 -120 sec.) If no data is set, the default setting is 32-36 sec. |
| <div style="border: 1px solid black; padding: 5px; width: 20px; margin: 0 auto;">A</div> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

| A | DESCRIPTION | DATA |
|------------|---|--|
| CM49 | Assign the ACD Delay Announcement function to the required Digital Announcement Trunk. | <ul style="list-style-type: none"> • YY = 00 (1) 000-127 (Digital Announcement Trunk Circuit No.) (2) 0B0XX *a <p>*a: ACD Group No. (00-15)</p> |
| CM51 | <p>When transferring the call to an extension, or Attendant, after the 1st interval time of ACD Delay Announcement, assign the destination.</p> <p>Note: <i>This command is effective when CM17 = A is set to 0 (to be set periodically).</i></p> <p>Note: <i>This is a separate feature called "Delay Overflow". ACD Delay Announcement is required in order for this feature to work.</i></p> | <ul style="list-style-type: none"> • YY = 17 (1) 00-63: Tenant No. (2) Destination: X-XXXX: Station No. E000: SN610 ATTCON |
| CM20 | Assign an access code to record, replay, and delete the Digital Announcement Trunk. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXXX: Access code (2) A00: Record A01: Replay A02: Delete |
| CM08 | Specify a diversion display on a transferred destination (Multiline Terminal or SN610 ATTCON) | <ul style="list-style-type: none"> (1) 357 (2) 0/1 ◀ : Available/Not Available |
| <u>END</u> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

When sending the ACD second delay announcement:



AUTOMATIC CALL DISTRIBUTION (ACD)

| A | DESCRIPTION | DATA |
|------|---|--|
| CM41 | Set the interval time of ACD Delay Announcement | <ul style="list-style-type: none"> • Y = 0 (1) 47 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| CM49 | Define the maximum waiting time of ACD Call for the ACD PEG Count. This timing is also applied to the duration of Ringback Tone after a call arrives, prior to answer by the ACD Delay Announcement. Assign the ACD Delay Announcement function and the ACD Second Delay Announcement function to the required Digital Announcement Trunk. | <ul style="list-style-type: none"> • Y = 0 (1) 16 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| END | | <ul style="list-style-type: none"> • YY = 00 (1) 000-127 (Digital Announcement Trunk Circuit No.) (2) 11XX: ACD Second Delay Announcement <li style="padding-left: 20px;">*a ment <li style="padding-left: 20px;">*a: ACD Group No. (00-15) |

AUTOMATIC CALL DISTRIBUTION (ACD)

To provide DID Number Conversion for an ACD Group:

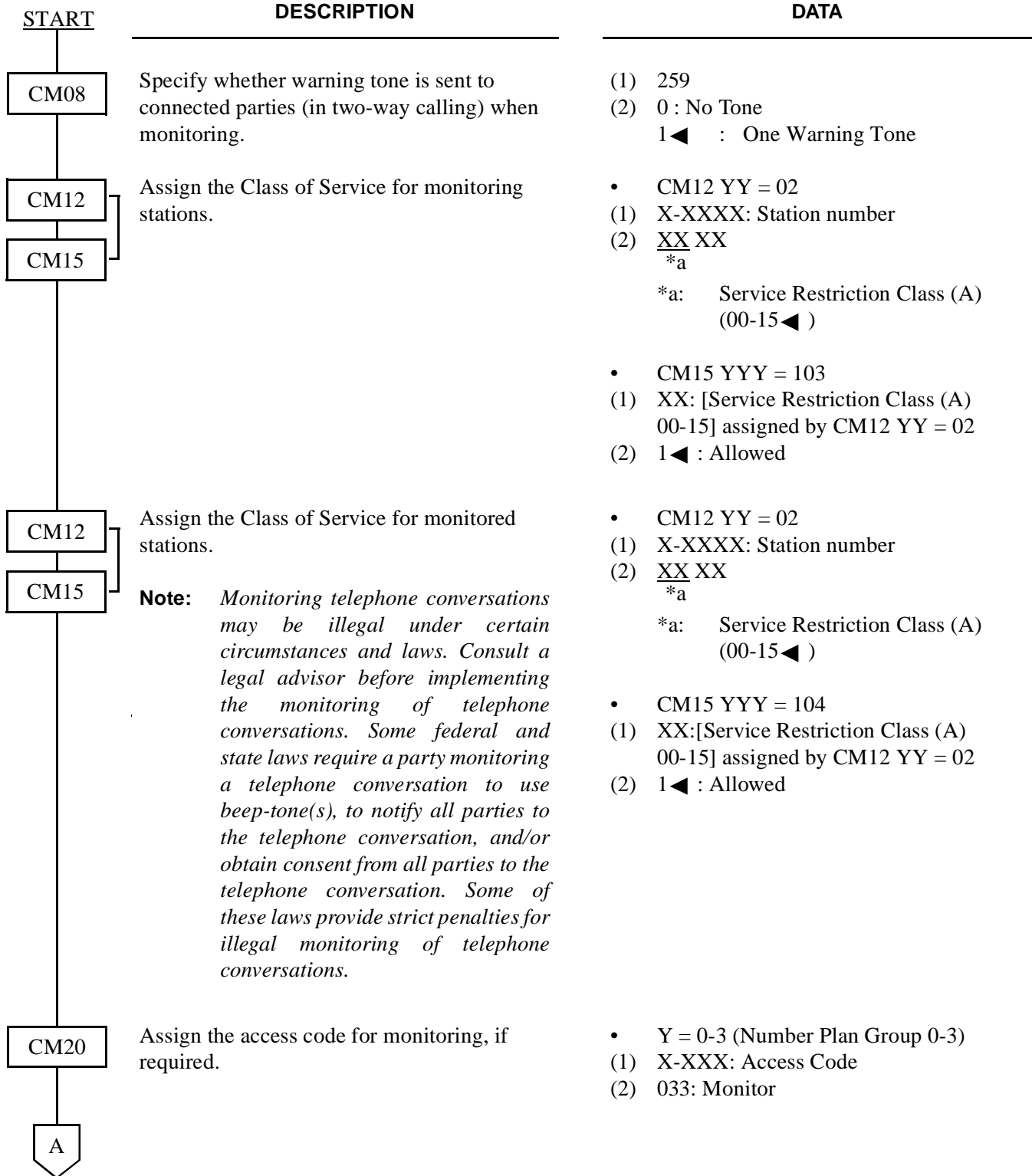
| <u>START</u> | DESCRIPTION | DATA |
|--------------|---|--|
| CM35 | Assign the data for DID to the Trunk Routes assigned by CM30 | <ul style="list-style-type: none"> • YY = 12 (Number of digit to be received) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3◀ : 4 digits • YY = 18 (Received Digit Conversion) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : To be provided • YY = 78 (Digit conversion of leading 2-4 digits of DID incoming LDN) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : Available |
| CM76 | When data for CM35, YY = 18 is set to "0" (Received Digits Conversion is to be provided), assign the data for interpreting the digits received. Note: <i>When the digit conversion of leading 2-4 digits of DID incoming LDN is available (CM35, YY=78, Data=0), leading 2-4 digits LDN should be assigned as the first data of CM76. (When the DID incoming LDN is 1 digit, the digit conversion for only one digit is not available.)</i> | <ul style="list-style-type: none"> • Y = 0 (Day Mode) • Y = 1 (Night Mode) (1) X-XXXX: Station Number Received (2) X-XXX: Station/Data Station Number to be terminated. DXX: Change Terminating System to: D01: D13: TAS D04: DIT D14: H A - 6 1 O Z / S N 6 1 0 ATTCON D16: DISA |
| CM49 | | |
| <u>END</u> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

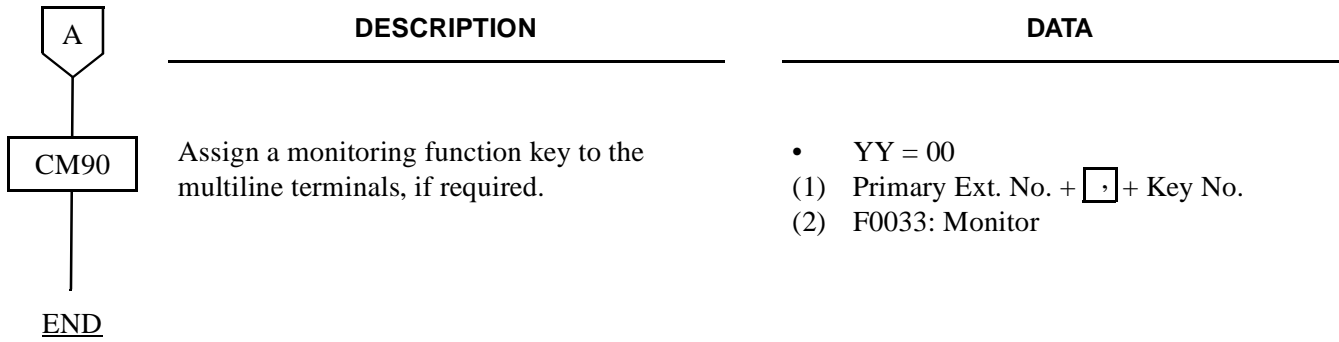
| | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| <u>START</u> | | |
| CM08 | Provide The System With ACD Busyout indication on DSS Console. | (1) 265 (2) 0: To be provided |
| CM97 | Assign the function key on each DSS Console. | (1) DSS Console No. (00-31) + <input type="checkbox"/> + Function Key No. (57-59) (2) F1055 : ACD Busyout |
| <u>END</u> | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

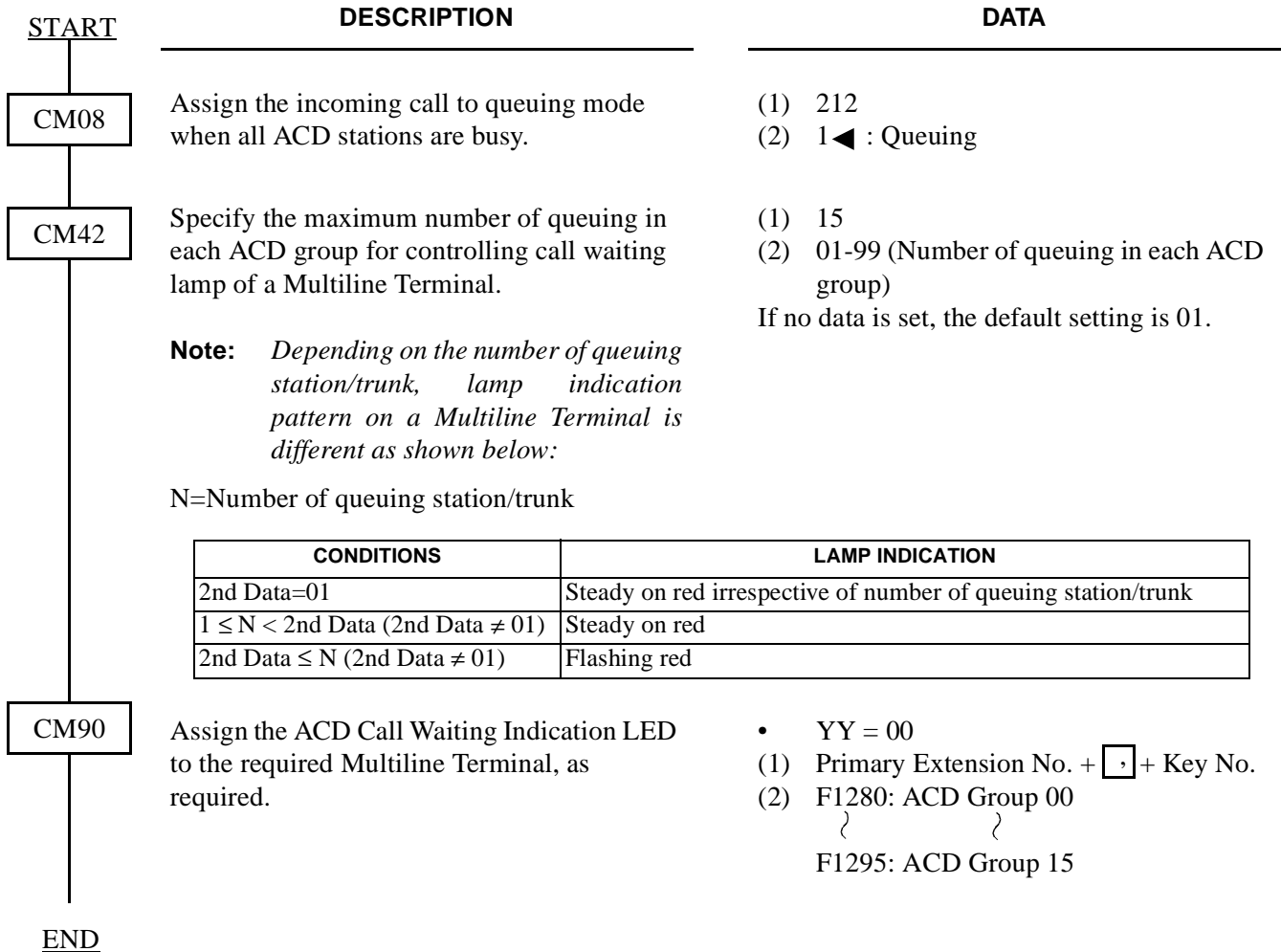
To monitor an ACD call, with or without Warning Tone:



AUTOMATIC CALL DISTRIBUTION (ACD)

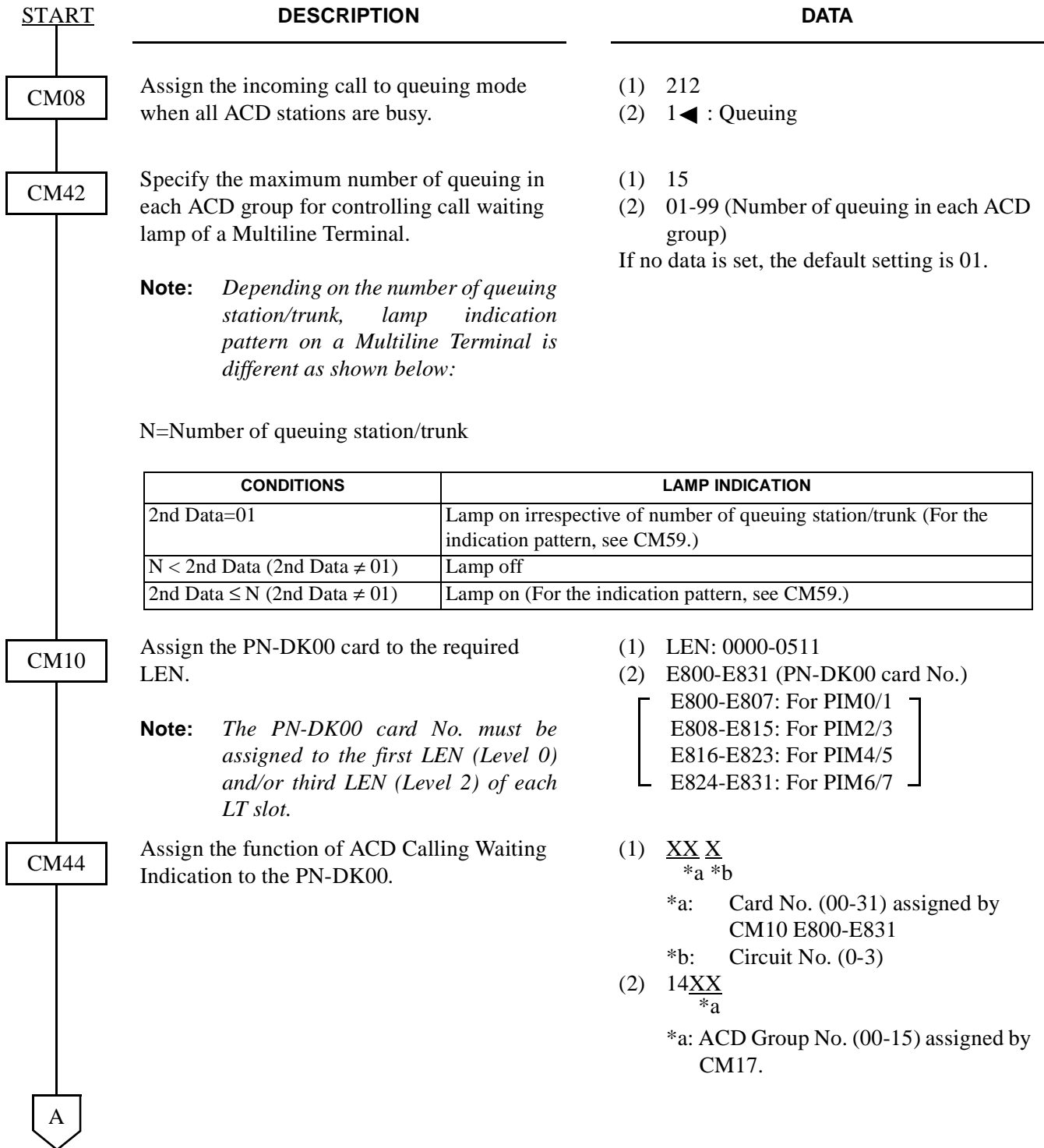


To provide Call Waiting (CW) LEDs on the Multiline Terminal:



AUTOMATIC CALL DISTRIBUTION (ACD)

To provide an external Call Waiting Indicator:



AUTOMATIC CALL DISTRIBUTION (ACD)

| | DESCRIPTION | DATA |
|------|---|---|
| A | | |
| CM59 | Specify the external ACD Call Waiting indication pattern. | (1) 00 (2) 01◀ : 30 IPM (1 sec. ON/OFF) 02: 60 IPM (0.5 sec. ON/OFF) 03: 120 IPM (0.25 sec. ON/OFF) 07: Steadily On |
| END | | |

To provide the priority queuing for incoming trunk calls:

| | DESCRIPTION | DATA |
|-------|---|--|
| START | | |
| CM35 | Assign Priority Queuing per trunk route. | <ul style="list-style-type: none"> • YY = 60 (1) Trunk Route No. (00-63) (2) 0/1◀ : To be provided/Not to be provided |
| | Assign Digit Conversion on DID call, if required. | <ul style="list-style-type: none"> • YY=18 (1) Trunk Route No. (00-63) (2) 0/1◀ : To be provided/Not to be provided |
| CM76 | Assign Priority Queuing per DID incoming LDN, if Digit Conversion is provided (CM35 YY=18 is set to 0). | <ul style="list-style-type: none"> • Y = 6 (1) X-XXXX: Station Number received (2) 0/1◀ : Not to be provided/To be provided |
| END | | |

AUTOMATIC CALL DISTRIBUTION (ACD)

HARDWARE REQUIRED

To provide the delay announcement for ACD:

- PN-2DATA card

To provide the external Call Waiting Indicator:

- PN-DK00 card
- External Indicator

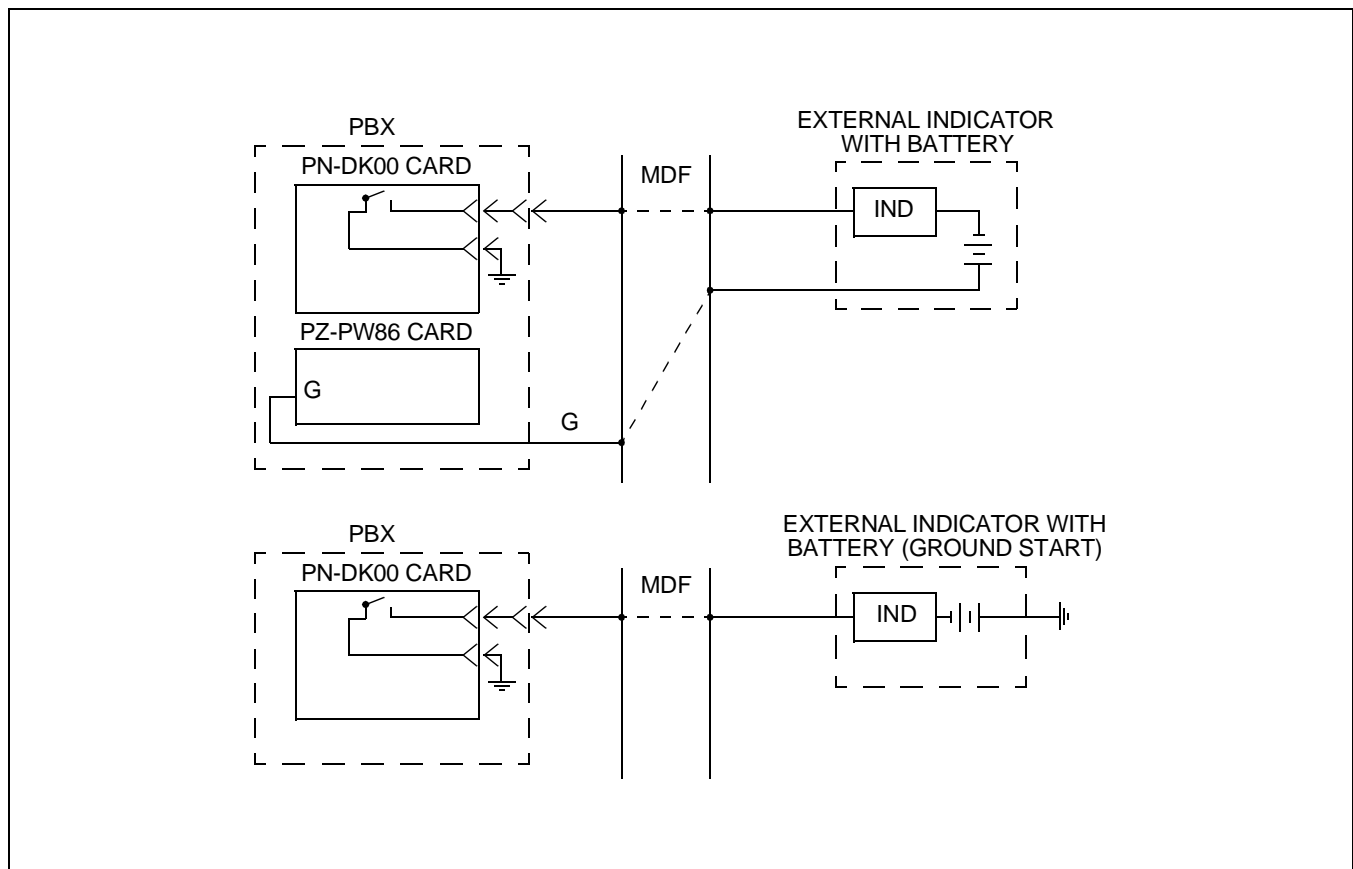
Requirement for External Indicator

Control Method: Ground/Battery (Max.125 mA)

Type: Visual and/or Audible type with volume control

Make the following connections at the MDF according to the type of indicator. For details, refer to the MDF cross connection for an External Indicator (TAS Indicator) in the INSTALLATION PROCEDURE MANUAL.

Note: *The DK00 requires external relays provided by customer.*



PROGRAMMING

Additional programming is required for MIS, once ACD has been programmed. Refer to the ACD/MIS System Manual.

AUTOMATIC CAMP-ON

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM08 | Specify the Camp-On Tone pattern. | (1) 068 (2) 0/1 ◀ : Sent out once/Sent out periodically (4- intervals) |
| CM30 | Assign Automatic Camp-On to the required DIT Trunks. | • YY = 13 (In Day mode) • YY = 14 (In Night mode) (1) Trunk No. (000-255) (2) 06: Automatic Camp-On |
| <u>END</u> | | |

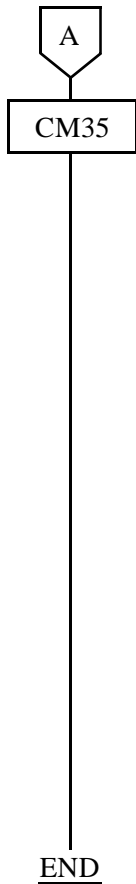
AUTOMATIC NUMBER IDENTIFICATION (ANI) (1300 Series Enhancement)

PROGRAMMING

1. DTI Assignment for ANI

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign a trunk Route Number to each DTI.</p> <p>Specify the Terminating System in Day Mode and Night Mode for incoming calls.</p> | <ul style="list-style-type: none"> • YY=00 <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) Trunk Route No. (00-63) • YY=02 (Day Mode) • YY=03 (Night Mode) <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) 31 ◀: DID, TIE and any call which is not handled by the PBX |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign the trunk Route data to each DTI route.</p> | <ul style="list-style-type: none"> • YY=00 (Kind of Trunk Route) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 00: DDD (C.O./DID), ISDN Trunk • YY=04 (Answer Signal from Distant Office) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 2: Answer signal arrives • YY=05 (Release Signal from Distant Office) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 1 ◀: Release Signal arrives • YY=09 (Incoming Connection Signaling) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 03: Wink Start • YY=10 (2nd DT Sending on Call Termination) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0: 2nd Dial Tone is not sent. |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

AUTOMATIC NUMBER IDENTIFICATION (ANI) (1300 Series Enhancement)



DESCRIPTION

| CONNECTION PATTERNS | PAD DATA OF DTI (dB) | | | |
|---------------------|----------------------|--------------|--------------|--------------|
| | DATA =4(T/R) | DATA =5(T/R) | DATA =6(T/R) | DATA =7(T/R) |
| Station-DTI | -3/-8 | -3/-3 | -3/-3 | -3/-8 |
| Tone-DTI | 0/0 | 0/0 | 0/0 | 0/0 |
| COT/LDT-DTI | 0/0 | 0/0 | 0/0 | 0/0 |
| ODT-DTI | +3/-3 | 0/0 | 0/0 | +3/-3 |
| DTI-DTI | 0/-6 | 0/0 | 0/-6 | 0/0 |

T/R : Transmitter PAD/Receiver PAD

+ : Gain

- : Loss

Assign calling number sending method from the network to each trunk route.

DATA

- YY=19 (DTI Pad)
 - (1) Trunk Route No. (00-63)
 - (2) 0 :]
 - 1 : Programmable PAD (See CM42)
 - 2 :]
 - 3 :]
 - 4 :]
 - 5 : Fixed PAD (See left table)
 - 6 :]
 - 7 ◀ :]

- YY=20 (Sender Start Condition)
 - (1) Trunk Route No. (00-63)
 - (2) 00: Wink Start

- YYY=129 (Calling No. Sending Method)
 - (1) Trunk Route No. (00-63)
 - (2) 0: Caller ID (Class SM)
 - 1: T1-ANI

AUTOMATIC NUMBER IDENTIFICATION (ANI) (1300 Series Enhancement)

2. MF Signaling Assignment

| START | DESCRIPTION | DATA |
|--------------------|---|--|
| START ↓ CM05 | Assign a slot number to MF Receiver Trunk. <div style="text-align: right;">(INITIAL)</div> Note: <i>The SENSE switch on the MF Receiver Trunk gives the slot number.</i> | (1) Slot No. (04-15) (2) 08: MF Receiver Trunk (PN-4RST) |
| ↓ CM06 | Assign MF Receiver Trunk Number to each MF Receiver Trunk. <div style="text-align: right;">(INITIAL)</div> | <ul style="list-style-type: none"> • YY=04 (1) XX: MF Receiver Trunk No. (00-15) (2) $\begin{array}{c} \text{XX} \text{ X} \\ \left\{ \begin{array}{l} \text{Slot No. assigned by CM05} \\ \text{Circuit No. (0-3)} \end{array} \right. \end{array}$ |
| ↓ CM09 | Provide system with MF Signaling. <div style="text-align: right;">(INITIAL)</div> | (1) 52 (MF Signaling) (2) 0: To be provided |
| ↓ CMAA | Assign calling number sending method from the network to the slot number assigned by CMOS (PN-4RSTB). | <ul style="list-style-type: none"> • YY=07 (1) Slot No. (00-15) (2) 0: Caller ID (Class SM) 1: T1-ANI |
| ↓ CM35 | Provide required DID trunk route with MF Signaling. | <ul style="list-style-type: none"> • YY=37 (MF Signaling Assignment) (1) Trunk Route No. (00-63) (2) 0: Available |
| ↓ CM31 | Assign MF PAD control level to the incoming signal. | <ul style="list-style-type: none"> • Y=1 (1) 0 (MF PAD Control level) (2) 0: -8.0 dBm 1: -10.0 dBm 2: -11.5 dBm 3: -9.13 dBm 4-7: ◀ Not used |
| ↓ A | | |

AUTOMATIC NUMBER IDENTIFICATION (ANI 1300 Series Enhancement)

| | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM31</div> | <p>Assign MF Receiver sensitive level.</p> <p style="text-align: right;">INITIAL</p> <p>Assign MF Receiver to each circuit number (0-3) of the MF Receiver Trunk.</p> <p style="text-align: right;">INITIAL</p> <p>Note: <i>AP Numbers 0-3 correspond to the Slot Numbers assigned by CM05 (00-15):</i></p> <p style="margin-left: 40px;"><i>AP Number 0: Slot Number X</i> <i>AP Number 1: Slot Number Y</i> <i>AP Number 2: Slot Number Z</i> <i>AP Number 3: Slot Number W</i> <i>(X < Y < Z < W)</i></p> <p>Assign supervisory timer of interdigit pause on incoming signal.</p> | <ul style="list-style-type: none"> • Y=1 <ol style="list-style-type: none"> (1) 1 (MF Receiver Sensitive level) (2) 00: -21 dBm ? ? 14: -35 dBm 15◀: -36 dBm (-1 dBm increments) • Y=2 <ol style="list-style-type: none"> (1) 0-3 (AP Number) Note (2) 3◀ : All circuits assigned as Receiver • Y=B <ol style="list-style-type: none"> (1) 05 (Supervisory Timer of Interdigit Pause on Incoming Signal) (2) NONE◀ : 24 sec. 01: 1 sec. ? ? 31: 31 sec. |
| <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM35</div> | <p>Assign Busy/Idle information not to be sent to T1 network.</p> | <ul style="list-style-type: none"> • YY=48 (Busy/Idle Sending to T1 Network) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : Not available |
| <div style="text-align: center; margin-top: 10px;">END</div> | | |

AUTOMATIC NUMBER IDENTIFICATION (ANI) 1300 Series Enhancement

3. ANI Assignment

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Assign requiring of ANI Signal from T1 network when an incoming call terminates. | <ul style="list-style-type: none"> (1) 472 (2) 0: Available |
| CM31 | <p>Assign the Signal Pattern received from T1 network. INITIAL</p> <ul style="list-style-type: none"> • When the Signal Pattern from T1 network is FGD-Format: Assign the data to "NONE". • When the Signal Pattern from T1 network is ANI-Format: Assign the data to "02". Note <p>Assign the number of digits of Called Number received from T1 network. INITIAL</p> <ul style="list-style-type: none"> • Y=1 (1) 2 (Number of Digits of Called Number) (2) NONE ◀: NONE <li style="padding-left: 20px;">01: 1 digit <li style="padding-left: 20px;">? ? <li style="padding-left: 20px;">31: 31 digits <p>Assign the signal kind of Called Number sent from T1 network.</p> <ul style="list-style-type: none"> • Y=A (1) 17 (Signal Kind of Called Number) Note (2) 0: DP <li style="padding-left: 20px;">1 ◀: MF <p>Note:</p> <ul style="list-style-type: none"> • When the Signal Pattern from T1 network is FGD-Format: Assign the data to "1". • When the Signal Pattern from T1 network is ANI-Format: Assign the data to "0". <p>Assign the ACK-WINK Signal to be sent to the DTI when the signal kind of Called Number received from T1 network is MF Signal.</p> <ul style="list-style-type: none"> • Y=A (1) 16 (Sending of ACK-WINK Signal on Receiving MF Signal) Note (2) 0: To be sent <li style="padding-left: 20px;">1 ◀: Not to be sent <p>Note:</p> <ul style="list-style-type: none"> • When the Signal Pattern from T1 network is FGD-Format: Assign the data to "0". • When the Signal Pattern from T1 network is ANI-Format: Assign the data to "1". | |
| A | | |

AUTOMATIC NUMBER IDENTIFICATION (ANI) 1300 Series Enhancement

| | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">A</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 10px auto; text-align: center;">CM31</div> | <p>Assign the ACK-WINK Signal to be sent to the DTI when the signal kind of Called Number received from T1 network is DP Signal.</p> <p>Note:</p> <ul style="list-style-type: none"> When the Signal Pattern from T1 network is FGD-Format: Assign the data to "1". When the Signal Pattern from T1 network is ANI-Format: Assign the data to "0". <p>Assign the number of digits of ANI received from T1 network. INITIAL</p> | <ul style="list-style-type: none"> Y=A (1) 18 (Sending of ACK-WINK Signal on Receiving DP Signal) Note (2) 0: To be sent 1◀: Not to be sent |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 10px auto; text-align: center;">CM31</div> | <p>Assign the number of digits to be deleted from ANI, if required.</p> <p>< An example of FGD Format ></p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p>Received digits: Key Pulse + XX + 1234567890 + Stop Pulse</p> <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="text-align: center;"> <p>Information digits (2 digits)</p> <p>↓</p> <ul style="list-style-type: none"> 2 digits deletion Identification on the terminal: 10 digits (ANI) </div> <div style="text-align: center;"> <p>ANI (10 digits)</p> </div> </div> </div> | <ul style="list-style-type: none"> Y=1 (1) 3 (ANI Digits from T1 Network) (2) NONE◀: NONE 01: 1 digit ? ? 31: 31 digits |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 10px auto; text-align: center;">CM08</div> | <p>Assign whether ANI is sent to the OAI Terminal or not.</p> <p>Assign whether ANI is sent to the SMDR Terminal or not.</p> | <ul style="list-style-type: none"> Y=A (1) 14 (Number of Deleting Digits from ANI) (2) 00: No digit deletion 01: Leading one digit deletion ? 10: Leading 10 digits deletion 11:] No digits deletion ?] 15◀:] |
| <p>END</p> | | <ul style="list-style-type: none"> (1) 462 (Sending ANI to OAI Terminal) (2) 0: To be sent 1◀: Not to be sent |
| | | <ul style="list-style-type: none"> (1) 463 (Sending ANI to SMDR Terminal) (2) 0: To be sent 1◀: Not to be sent |

AUTOMATIC NUMBER IDENTIFICATION (ANI) 1300 Series Enhancement

When the signal pattern of the Called Number sent from T1 network is as shown below, assign the following data, if required.

Called Number = NPA + NNX + Called Station Number

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|----------------------------|---|--|
| START [CM35] | Assign the Digit Addition/Deletion on the incoming calls. | <ul style="list-style-type: none"> • YY=17 (Digit Addition/Deletion Assignment) (1) Trunk Route No. (00-63) (2) 00: "0" add ? ? 09: "9" add 10: 2 digit addition (CM50 YY=00 1st data: 0) 11: 1 digits deletion 12: 2 digits deletion 15◀: Addition/deletion is not performed |
| [CM20] | Assign the access code for LCR Group 0-3. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXXX (Access Code) (2) A26: LCR Group 0 A27: LCR Group 1 A28: LCR Group 2 A29: LCR Group 3 |
| [CM8A] | Assign an area code for Intra-Office Termination. | <ul style="list-style-type: none"> • YYY=405-407 (Area Code Development No. 5-7) (1) X-XXXXX (Area Code, 1-5 digits) (2) 800: Intra-Office Termination |
| <u>END</u> | | |

Note: *FGD-Format and ANI-Format are:*

| SIGNAL PATTERN | CALLED NUMBER | ANI |
|----------------|---------------|-----------|
| FGD-Format | MF Signal | MF Signal |
| ANI-Format | DP Signal | MF Signal |

HARDWARE REQUIRED

PN-24DTA card
PN-4RST card

AUTOMATIC RECALL

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM41 | <p>Specify the timing for AUTOMATIC RECALL. If no data is set, the following Automatic Recall timing is applied:</p> <p>Attendant Recall - 31.2-33.6 seconds Non exclusive Hold - 60-64 seconds Exclusive Hold - 236-240 seconds Transfer Recall - 24-28 seconds Attendant Hold Recall - 31.2-33.6 seconds Camp-On Recall - 24-32 seconds</p> | <ul style="list-style-type: none">• Y = 0(1) 00: Attendant Recall(2) 01-24: 2.4-124.8 sec. (Increments 01-14 are 2.4-sec. increments, and increments 15-24 are 9.6-sec. increments)(1) 05: Non exclusive Hold(2) 01-98: 4-392 sec. in 4 sec. increments 99: Recall is not performed.(1) 06: Exclusive Hold(2) 01-98: 4-392 sec. in 4 sec. increments 99: Recall is not performed.(1) 07: Transfer Recall(2) 01-30: 4-120 sec. in 4 sec. increments(1) 11: Attendant Hold Recall(2) 01-24: 2.4-124.8 sec. (Increments 01-14 are 2.4-sec. increments, and increments 15-24 are 9.6-sec. increments)(1) 26: Camp-On Recall(2) 01-15: 8-120 sec. in 8 sec. increments |

END

BACKGROUND MUSIC (BGM)

PROGRAMMING

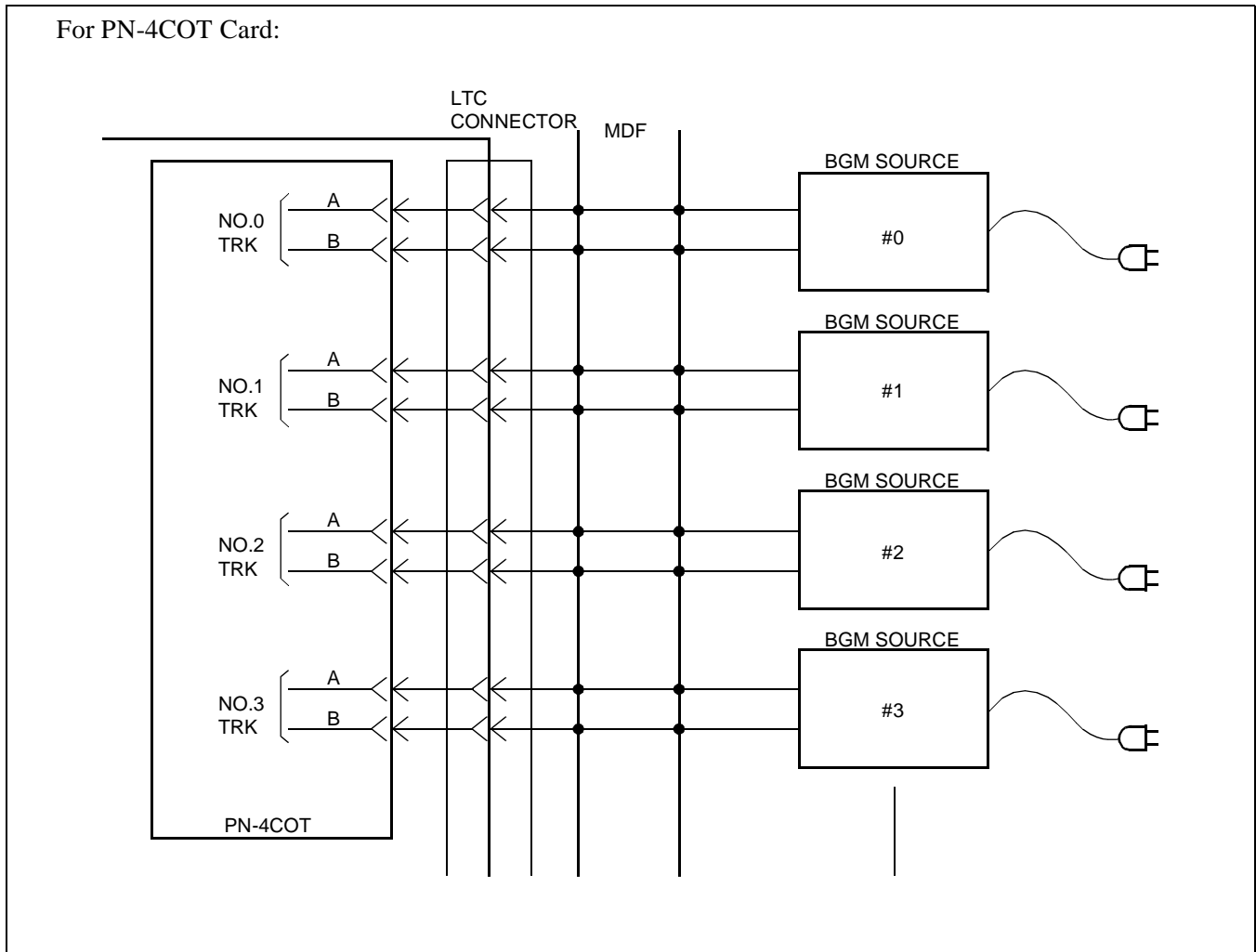
| START | DESCRIPTION | DATA |
|-------|--|--|
| CM10 | Assign BGM Interface Trunks (PN-4COT/PN-TNT) to the required LENS. Note: <i>The PN-TNT Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> | (1) XXXX: 0000-0511 (LEN No.) (2) D000-D255: PN-4COT/PN-TNT Circuit No. |
| CM12 | Assign the Service Restriction Class (A) to the required Multiline Terminals. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Primary Extension No. of the Multiline Terminal (2) <u>XX</u> <u>XX</u> *a *a: Service Restriction Class (A) (00-15◀) |
| CM15 | Provide this feature to the Service Restriction Class (A) assigned by CM12. | <ul style="list-style-type: none"> • YY = 32 (1) Service Rest. Class (A) (00-15) (2) 1◀ : Allowed |
| CM20 | Assign the access code for this feature. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access code (66) (2) 039: BGM |
| CM30 | Assign a Trunk Route No. to the BGM Interface Trunk (PN-4COT/PN-TNT). | <ul style="list-style-type: none"> • YY = 00 (1) Trunk No. (000-255) (2) Trunk Route No. (00-63) |
| CM35 | Assign the BGM interface to each trunk route. | <ul style="list-style-type: none"> • YY = 00 (1) XX: Trunk Route No. (2) 05 (Interface with BGM Tone Source) |
| CM48 | Assign a BGM program number to each trunk number connected to the External Tone Source. | <ul style="list-style-type: none"> • Y = 4 (1) 00-09 (BGM program No. 0-9) (2) DXXX: Trunk number connected to the External Tone Source. |
| END | | |

BACKGROUND MUSIC (BGM)

HARDWARE REQUIRED

External BGM Source (Up to 10 BGM Sources can be provided)
PN-4COT/PN-TNT card

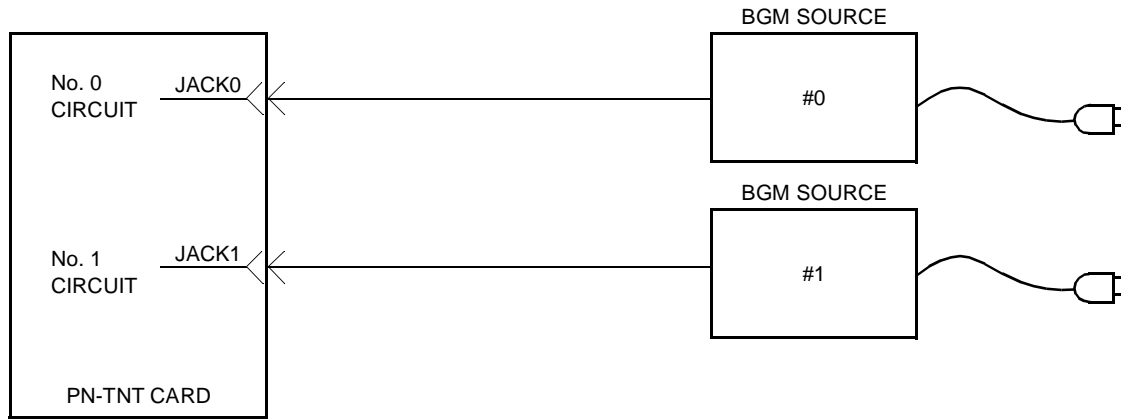
External BGM Sources (FM, AM Radio, Tape-Deck etc.) should be provided by the customer. Make the following connections between BGM Sources and interface trunks. For details, refer to the MDF cross connection for an External Tone Source in the INSTALLATION PROCEDURE MANUAL.



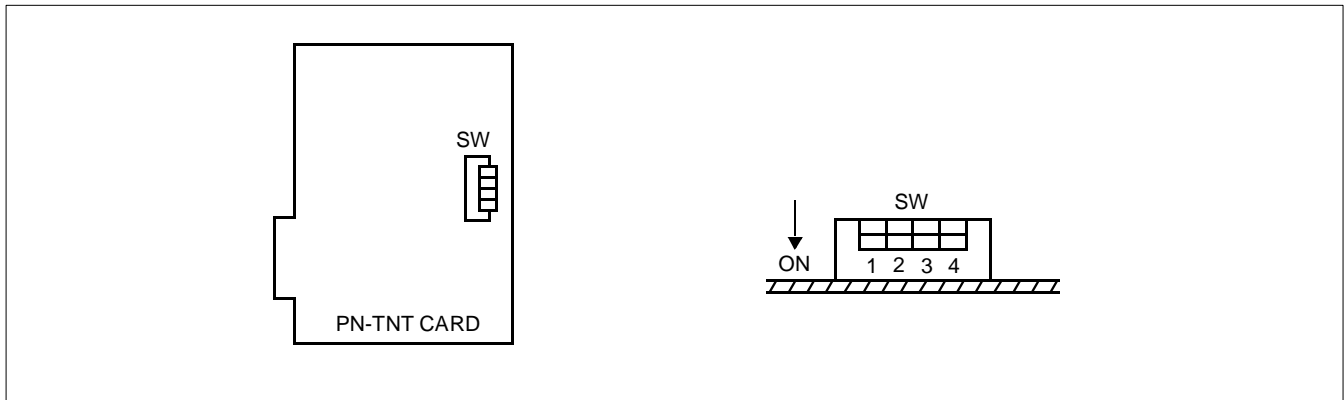
BACKGROUND MUSIC (BGM)

For PN-TNT card:

Plug the cable connected to the BGM Sources into JACK0 and JACK1 on PN-TNT card:



Set the switches within PN-TNT card according to the following table.



- Level Control of External BGM Source through JACK0/JACK1

| No. 0 CIRCUIT (JACK0) | | |
|-----------------------|------|------|
| OUTPUT LEVEL | SW-1 | SW-2 |
| -10 dB | OFF | OFF |
| -7 dB | ON | OFF |
| -4 dB | OFF | ON |
| -1 dB | ON | ON |

| No. 1 CIRCUIT (JACK1) | | |
|-----------------------|------|------|
| OUTPUT LEVEL | SW-3 | SW-4 |
| -10 dB | OFF | OFF |
| -7 dB | ON | OFF |
| -4 dB | OFF | ON |
| -1 dB | ON | ON |

BOSS/SECRETARY CALLING

PROGRAMMING

To set up the Secretary Station with the Multiline Terminal:

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM13</div> | <p>Assign the Secretary Station to the required station number.</p> | <ul style="list-style-type: none"> • YY = 12 (1) X-XXXX (Primary Extension No. of Secretary) (2) 0: Secretary Station |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>If the Boss' station is a Single-Line Telephone with MW lamp, provide the Message Waiting service to the Boss' station.</p> <p>Assign the Boss' line key as a Secondary Extension line to the Secretary's Multiline Terminal.</p> <p>Assign the MW SET/MW RESET keys to the Secretary's Multiline Terminal, if needed.</p> | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX (Boss Station No.) (2) 0: To be provided • YY = 00 (1) Primary Extension No. of Secretary + <input style="width: 20px; height: 15px;" type="text"/> + Key No. (2) X-XXXX (Boss Station No. /Boss Primary Extension No.) • YY = 00 (1) Primary Extension No. of Secretary + <input style="width: 20px; height: 15px;" type="text"/> + Key No. (2) F0040: MW Set F0041: MW Reset |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>If the Boss' station is a Multiline Terminal, assign a MW Lamp to the Boss' Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. of Boss + <input style="width: 20px; height: 15px;" type="text"/> + Key No. (2) F1005: MW Lamp |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Assign the access code for MW Set/MW Reset to the secretary's Multiline Terminal, if required.</p> <p>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.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 040: MW Set 041: MW Reset (1) 234 (2) 0/1: Available/Not Available (Reset by answering of Calling station) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | <p>Specify the MW Lamp indication pattern for Multiline Terminal.</p> | <ul style="list-style-type: none"> (1) 294 (2) 0/1 ◀ : Flashing (60 IPM)/Steady |

BOSS/SECRETARY CALLING

| | DESCRIPTION | DATA |
|------|---|---|
| A | | |
| CM51 | Assign the destination of the call from the Boss' station that has Message Waiting set. | <ul style="list-style-type: none"> • YY = 15 (1) 00-63 (Tenant No.) (2) X-XXXX (Secretary's Station No.) (3) |
| CM12 | To provide Boss/Secretary Override, assign Service Restriction Class A for Call Waiting to the Secretary and Boss Stations. | For Secretary Station: |
| CM15 | | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Station No. (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15 ◀) • CM15 YY = 43 (Calling Side) (1) 00-15: Service Restriction Class A (2) 1 ◀ : Allowed |
| END | | For Boss' Station: <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Station No. (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15 ◀) • CM15 YY = 44 (Called Side) (1) 00-15: Service Restriction Class A (2) 1 ◀ : Allowed |

To assign the Boss' Station as a single-line telephone:

| | DESCRIPTION | DATA |
|-------|--|---|
| START | | |
| CM12 | Set the data for accommodating the Boss' line to the Secretary's Sub line. | <ul style="list-style-type: none"> • YY = 05 (1) X-XXXX: Boss Station No. (2) 0/1 ◀ : Accommodated/ Not accommodated |
| CM13 | Specify whether to send ringing signal to the Boss Station. | <ul style="list-style-type: none"> • YY = 08 (1) X-XXXX: Boss Station No. (2) 0/1 ◀ : Not send/Send |
| END | | |

HARDWARE REQUIRED

ETJ-16DD-1/ETJ-24DS-1/DTP-32-1/DTP-32D-1 and DLC card.

BROKER'S CALL

PROGRAMMING

Refer to CALL HOLD feature.

CALL BACK

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM08 | Provide the system with the Single-Digit Feature Access Code while the calling station hears ringback tone/busy tone. | <ul style="list-style-type: none"> (1) 156 (Ringback Tone) (2) 0: Allowed (1) 208 (Busy Tone) (2) 0: Allowed |
| CM12 | Assign Service Restriction Class (A) to the necessary stations. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Station No. (2) <u>XX</u> XX *a *a: Service Restriction Class (A) (00-15◀) |
| CM15 | Assign the Call Back feature to the Service Restriction Class (A) assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 03 (1) XX: Service Restriction Class (A) assigned by CM12 YY = 02. (2) 1◀: Allowed |
| CM15 | Assign the Call Back-Multiple Assignment feature to the Service Restriction Class (A) assigned by CM12 YY= 02, if required. | <ul style="list-style-type: none"> • YY = 46 (1) XX: Service Restriction Class (A) assigned by CM12 YY = 02. (2) 1◀: Allowed |
| CM20 | Assign the access code for Call Back. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*1, #1) (2) 002: Call Back Set 003: Call Back Cancel For setting the same access code as Trunk Queuing-Outgoing: (2) 004: Set 005: Cancel |
| CM90 | Assign a Call Back key to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + key No. (2) F0004: Trunk Queuing-Out-going/Call Back |
| END | | |

CALLER ID CLASS (1500 Series Enhancement)

PROGRAMMING

1. Trunk Assignment for CALLER ID CLASS

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Specify the Terminating System in Day Mode and Night Mode for incoming calls.</p> | <ul style="list-style-type: none"> • YY=02 (Day Mode) • YY=03 (Night Mode) (1) Trunk No. (000-255) (2) 02: Trunk Line Appearance 03: Trunk Line Appearance+TAS 04: Direct-In Termination 09: Automated Attendant 11: ATTCON+Trunk Line Appearance 13: TAS 14: Termination to ATTCON 16: Direct Inward System Access (DISA) 19: ATTCON+TAS 20: ATTCON+Trunk Line Appearance +TAS 31 ◀ : DID, TIE and any call which is not handled by the PBX |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign the type of Trunk Route.</p> <p>Provide the Trunk Route with MF Signaling.</p> <p>Specify the Busy/Idle status not to be sent to the network.</p> <p>Assign the sending method of calling number from the network, to each Trunk Route.</p> | <ul style="list-style-type: none"> • YY=00 (Kind of Trunk Route) (1) Trunk Route No. (00-63) (2) 00: DDD (C.O./DID) • YY=37 (MF Signaling) (1) Trunk Route No. (00-63) (2) 0: Available • YY=48 (Busy/Idle Sending) (1) Trunk Route No. (00-63) (2) 0: Not to be sent • YYY=129 (Calling No. Sending Method) (1) Trunk Route No. (00-63) (2) 0: CALLER ID (CLASS SM) 1: T1-ANI |
| <p><u>END</u></p> | | |

CALLER ID CLASS (1500 Series Enhancement)

2. CALLER ID Receiver Assignment

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM09 | Provide the system with MF Signaling. (INITIAL) | (1) 52 (MF Signaling) (2) 0: To be provided |
| CM05 | Assign a Slot Number to the CIR (CALLER ID Receiver) Trunk. (INITIAL) The slot number is given by the SENSE switch on the CIR Trunk. | (1) Slot No. (04-15) (2) 08: CIR Trunk (PN-4RSTC) |
| CM06 | Assign the MF Receiver trunk number to each circuit of the CIR Trunk. (INITIAL) | <ul style="list-style-type: none"> • YY=04 (1) XX: MF Receiver Trunk No. (00-15) (2) $\begin{array}{c} \text{XX} \quad \text{X} \\ \quad \quad \quad \\ \quad \quad \quad \text{Circuit No. (0-3)} \\ \quad \quad \quad \quad \quad \\ \quad \quad \quad \quad \quad \text{Slot No. assigned by CM05} \end{array}$ |
| CM08 | Assign requesting of ANI/CALLER ID Signal from network when an incoming call terminates. | (1) 472 (Request for ANI/CALLER ID Signal) (2) 0: Available |
| CMAA | Assign the sending method of calling number from the network, to the Slot Number assigned by CM05. | <ul style="list-style-type: none"> • YY=07 (1) Slot No. (04-15) (2) 0: CALLER ID (CLASS SM) 7: ◀ Not Used |
| CM31 | Assign the number of digits of the calling number sent from the network. (INITIAL) | <ul style="list-style-type: none"> • Y=1 (1) 3 (Number of Digits from Network) (2) 01: 1 digit ? ? 31: 31 digits NONE ◀ |
| CM31 | Assign the CALLER ID Receiver to each AP Number (0-3) of the CIR Trunk . (INITIAL) AP Number 0-3 correspond to the Slot Number (00-15) assigned by CM05. | <ul style="list-style-type: none"> • Y=2 (1) 0: AP No.0=Slot No.X 1 : AP No.1=Slot No.Y 2 : AP No.2=Slot No.Z 3 : AP No.3=Slot No.W X < Y < Z < W (2) 3◀: All circuits are assigned as a receiver. |
| <u>END</u> | | |

CALLER ID CLASS (1500 Series Enhancement)

3. Memory Clear for CIR Trunk (PN-4RSTC Card)

Clearing all data in memory for calling number development is necessary before assigning the calling number development data by CMDC and CMDB.

Note: *Before memory clear, set the SW1-1 to SW1-4 on the CIR Trunk to all ON (Make-busy) and after memory clear, restore them to OFF.*

| START | DESCRIPTION | DATA |
|--|-------------------------------------|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CMDB</div> | Clear all memory for CMDC and CMDB. | <ul style="list-style-type: none"> • YY=90 (All Memory Clear) (1) 0000 (2) CCC |
| END | | |

If required, clear the partial memory using the commands shown in below.

Note: *Before memory clear, set the SW1-1 to SW1-4 on the CIR Trunk to all ON (Make-busy) and after memory clear, restore them to OFF.*

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CMDB</div> | Clear the memory for the calling number Development Table No. assigned by CMDC and the calling number development data assigned by CMDB. | <ul style="list-style-type: none"> • YY=91 (Partial Memory Clear) (1) 0000 (2) CCC |
| | Clear the memory for calling number development data assigned by CMDB. | <ul style="list-style-type: none"> • YY=92 (Partial Memory Clear) (1) 0000 (2) CCC |
| END | | |

CALLER ID CLASS (1500 Series Enhancement)

4. CALLER ID Development Data Assignment

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CMDC</div> | <p>Assign the Development Table for the calling number sent from the network.</p> | <ul style="list-style-type: none"> • YY=00-63 (Trunk Tenant No.) (1) Calling Number (2) 0◀: Development Table No.0 } } 1499: Development Table No.1499 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CMDB</div> | <p>Assign whether the Trunk Tenant No. is effective for developing the calling number, or not.</p> <p>By character code, assign the name displayed, if required. A maximum of 14 characters are available for the name display.</p> <p>Assign the termination destination on Day Mode/Night Mode for calling number, if required. A maximum of 12 digits are available.</p> <p>Note: <i>If assigning the destination station number as below, the Terminating System overrides CM30 YY=02/03 for the selected Development Table.</i></p> <p>**** 0 2 : Trunk Line Appearance **** 0 3 : Trunk Line Appearance+TAS **** 0 4 : Direct-in Termination **** 0 9 : Automated Attendant **** 1 1 : ATTCON+Trunk Line Appearance **** 1 3 : TAS **** 1 4 : Termination to ATTCON **** 1 6 : Direct Inward System Access (DISA) **** 1 9 : ATTCON+TAS **** 2 0 : ATTCON+Trunk Line Appearance+TAS **** 3 1 : DID, TIE, and any call which is not handled by the PBX</p> | <ul style="list-style-type: none"> • YY=30 (1) 0 (Trunk Tenant No. Development) (2) 0◀ : Ignore actual Trunk Tenant and use the Development Table for Trunk Tenant 00 (CMDC YY=00) 1: Execute actual Trunk Tenant and use the Development Table for each Trunk Tenant (CMDC YY=00-63) • YY=00 (Name Assignment) (1) Development Table No.0-1499 (2) Character Code (See CM77) • YY=01 (Day Mode) • YY=02 (Night Mode) (1) Development Table No.0-1499 (2) Destination Station Number (12 digits Max.) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | <p>Note: <i>The destination station number can also be an LCR access code plus outside telephone number.</i></p> | |

CALLER ID CLASS (1500 Series Enhancement)

| | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">A</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center; line-height: 20px;">CMDB</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 600px; margin: 0 auto;"></div> <div style="text-align: center; margin-top: 10px;"><u>END</u></div> | <p>Specify the ringing tone for each calling number, if required.</p> <p>Specify which is displayed on the LCD, when receiving both the calling number and the name from network on incoming call.</p> <p>Specify whether the Call Waiting is set for each calling number or not.</p> <p>Specify whether the UCD Priority Queuing is set for each calling number or not.</p> <p>Specify the priority for calling name display.</p> <p>Specify the type of Single Data Message Frame Format.</p> | <ul style="list-style-type: none"> • YY=04 (Ringing Tone Assignment) <ul style="list-style-type: none"> (1) Development Table No.0-1499 (2) 0 ◀ : Depends on CM35 YY=33 <ul style="list-style-type: none"> 1: Not used 2: Internal Ringing Tone 3: External Ringing Tone • YY=05 (Calling Number/Name Display) <ul style="list-style-type: none"> (1) Development Table No.0-1499 (2) 0 ◀ : Calling Number Display <ul style="list-style-type: none"> 1: Calling Name Display • YY=06 (Call Waiting) <ul style="list-style-type: none"> (1) Development Table No.0-1499 (2) 0 ◀ : Not available <ul style="list-style-type: none"> 1: Available • YY=07 (UCD Priority Queuing) <ul style="list-style-type: none"> (1) Development Table No.0-1499 (2) 0 ◀ : Not Priority <ul style="list-style-type: none"> 1: Priority • YY=12 (Priority for Name Display) <ul style="list-style-type: none"> (1) Development Table No.0-1499 (2) 0 ◀ : Name received from the network is displayed. <ul style="list-style-type: none"> 1: Name assigned by CMDB YY=00 is displayed. • YY=30 <ul style="list-style-type: none"> (1) 1 (Single Data Message Frame Format) (2) 0 ◀ : with Time Parameter <ul style="list-style-type: none"> 1: without Time Parameter |

CALLER ID CLASS (1500 Series Enhancement)

5. Other Relational Data Assignment

| START | DESCRIPTION | DATA |
|------------------------|--|---|
| START [CM35] | Assign the Trunk Access Code for outgoing call sent to the SMDR. For using Save & Repeat feature, this Trunk Access Code will save and sent with the calling number. | <ul style="list-style-type: none"> • YY=44 (Trunk Access Code for Save & Repeat) (1) Trunk Route No. (00-63) (2) X/XX : Trunk Access Code 0-9/00-99 |
| [CM08] | Specify whether the calling number is sent to the OAI Terminal or not. Specify whether the calling number is sent to the SMDR Terminal or not. | <ul style="list-style-type: none"> (1) 462 (Sending to OAI Terminal) (2) 0: To be sent 1 ◀: Not to be sent (1) 463 (Sending to SMDR Terminal) (2) 0: To be sent 1 ◀: Not to be sent |
| [CM D000] | Send ANI/Caller ID to SMDR. Note: <i>This is required when using PN-AP00 for SMDR.</i> | <ul style="list-style-type: none"> (1) 143 (Sending to SMDR Terminal) (2) 0 ◀: Not to be sent 1: To be sent |
| [CM90] | Provide the Multiline Terminal with a Display Change key for calling number/name display changing. Provide the ATTCON with a Display Change key for calling number/name display changing. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No.+ [] +Key No. (2) F1099 : Calling No./Name Display • YY=00 (1) ATTCON No.+ [] +Key No. (2) F6122 : Calling No./Name Display |
| END | | |

CALLER ID CLASS (1500 Series Enhancement)

6. Data Assignment for multiple CIR Trunk

The development data by CMDC and CMDB are assigned toward the first CIR Trunk which has been assigned a minimum Slot Number. When providing multiple CIR Trunks, save the development data and load them for the other CIR Trunks according to the following steps.

For detail of MAT operations, refer to the MAT Operation Guide.

STEP 1 After assignment of CMDC and CMDB, save the office data by MAT.

At this time, specify the AREA Number including the MEMORY ADDRESS 00900-2FFFF.

STEP 2 Set the MB switch to ON (UP) on the first CIR Trunk with minimum Slot Number X.

Slot Number X < Y < Z < W

STEP 3 As for the second CIR Trunk, change the Slot Number Y to X by CM05 and by the SENSE switch.

STEP 4 Set the SW1-1 through SW1-4 to ON on the second CIR Trunk.

Clear the memory for CMDC and CMDB by CMDB YY=90.

Set the SW1-1 through SW1-4 to OFF on the second CIR Trunk.

STEP 5 Load the office data saved in STEP1 by MAT.

STEP 6 As for the second CIR Trunk, restore the Slot Number X to Y by CM05 and by the SENSE switch.

Jump to STEP17 if no more CIR Trunks are provided.

STEP 7 Set the MB switch to ON (UP) on the second CIR Trunk with Slot Number Y.

STEP 8 As for the third CIR Trunk, change the Slot Number Z to X by CM05 and by the SENSE switch.

STEP 9 Set the SW1-1 through SW1-4 to ON on the third CIR Trunk.

Clear the memory for CMDC and CMDB by CMDB YY=90.

Set the SW1-1 through SW1-4 to OFF on the third CIR Trunk.

STEP 10 Load the office data saved in STEP1 by MAT.

STEP 11 As for the third CIR Trunk, restore the Slot Number X to Z by CM05 and by the SENSE switch.

Jump to STEP17 if no more CIR Trunks are provided.

CALLER ID CLASS (1500 Series Enhancement)

STEP 12 Set the MB switch to ON (UP) on the third CIR Trunk with Slot Number Z.

STEP 13 As for the fourth CIR Trunk, change the Slot Number W to X by CM05 and by the SENSE switch.

STEP 14 Set the SW1-1 through SW1-4 to ON on the fourth CIR Trunk.
Clear the memory for CMDC and CMDB by CMDB YY=90.
Set the SW1-1 through SW1-4 to OFF on the fourth CIR Trunk.

STEP 15 Load the office data saved in STEP1 by MAT.

STEP 16 As for the fourth CIR Trunk, restore the Slot Number X to W by CM05 and by the SENSE switch.

STEP 17 Set the MB switches to OFF (DOWN) on all the CIR Trunks.

HARDWARE REQUIRED

PN-4COTG card
PN-4RSTC card

CALLER ID DISPLAY (1800 Series Enhancement)

PROGRAMMING

In addition to Automatic Number Identification (ANI) or Caller ID Class, assign the following data.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM90 | Provide the Multiline Terminal with a Caller ID Display key for displaying the ANI or Caller ID. | <ul style="list-style-type: none">• YY=00(1) Primary Extension No. + <input type="text"/> + Key No.(2) F5010: Caller ID Display |
| <u>END</u> | | |

CALL FORWARDING: CALL FORWARDING - ALL CALLS

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign the Class of Service for this feature to the required stations. | <ul style="list-style-type: none"> • CM12 YY=02 [Service Restriction Class (A) (00-15^{tr})] |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| | <p>Note: <i>When providing Call Forwarding-All Calls-Outside, set "1" (Allowed) for YY = 00, YY = 26 of CM15.</i></p> | <ul style="list-style-type: none"> • CM15 YY=00 (Call Forwarding-All Calls) • CM15 YY=26 (Call Forwarding-All (1) Calls-Outside) XX: Service Restriction Class (A) (2) assigned by CM12 YY=02. 1◀: Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Forwarding-All Calls, Entry and Cancel, respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*5, #5) (2) 010: Entry 011: Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> | To apply this feature to incoming calls, set the trunk route combinations for Tandem Connection. | <ul style="list-style-type: none"> • CM35 YY=05 (1) Trunk Route No. (00 - 63) Note (2) 1◀: Release Signal arrive Note |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM36</div> | | |
| | <p>Note: <i>For Resident System Programming, refer to the Command Manual.</i></p> | <ul style="list-style-type: none"> • CM36 (1) Incoming Trunk Route No. + Outgoing Trunk Route No. (Assigned by CM35 YY=05) (2) 0: Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CALL FORWARDING: CALL FORWARDING - ALL CALLS

| A | DESCRIPTION | DATA |
|------|--|---|
| CM08 | Specify the setting method for Call Forwarding-All Calls-Outside. | (1) 222 (2) 0: The feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1◀: The feature is set when receiving Service Set Tone (ORT time out) |
| | Assign whether or not an extension can set Call Forwarding-All Calls-Outside by entering only a trunk access code. | (1) 386 (2) 0: Restrict 1◀: Allow |
| | Assign whether or not the system should check the trunk restriction class of the forwarded station during a Call Forwarding-All Calls-Outside. | (1) 387 (2) 0: Call forwarding All Calls-Outside follows setting station class 1◀: No check |
| CM90 | Assign Call Forwarding-All Calls keys to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + <input type="text"/> + Key No. (2) F0010: Call Forwarding-All Calls Set/Cancel |
| CM65 | Provide Call Forwarding feature to each tenant as per incoming call type. | <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT-assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) (1) Tenant No. (00-63) (2) 1◀: Call Forwarding |
| CM48 | Select the Dial Tone on Setting Call Forwarding-All Calls. (1300 Series Enhancement) | <ul style="list-style-type: none"> • Y=2 (1) 13 (Dial Tone on Setting Call Forwarding-All Calls) (2) 0: Special Dial Tone (Stutter Dial Tone) 1◀: Dial Tone |
| END | (INITIAL) | |

CALL FORWARDING: CALL FORWARDING-BUSY LINE

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign the Class of Service for this feature to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class (A) (00-15 ◀)] • CM15YY = 11 (Call Forwarding-Busy Line) • CM15YY = 28 (Call Forwarding-Busy Line-Outside) • CM15YY=12 (Call Forwarding-Busy Line/-No Answer) • CM15YY=29 (Call Forwarding-Busy Line-Outside/-No Answer-Outside) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| <p>Note: <i>When providing Call Forwarding-Busy Line-Outside, set "1" (Allowed) for YY = 11, YY = 28, YY = 12, YY= 29 of CM15.</i></p> | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Forwarding-Busy Line, Entry and Cancel, respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*6, #6) (2) 014: Entry 015: Cancel <p>For setting the same access code as Call Forwarding-No Answer</p> <ul style="list-style-type: none"> (2) 012: Entry 013: Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> | To apply this feature to incoming calls, set the trunk route combinations for Tandem Connection. | <ul style="list-style-type: none"> • CM35YY = 05 (1) Trunk Route No. (00 - 63) Note (2) 1 ◀ : Release Signal arrive Note |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM36</div> | | |
| <p>Note: <i>For Resident System Programming, refer to the Command Manual.</i></p> | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CALL FORWARDING: CALL FORWARDING-BUSY LINE

| | DESCRIPTION | DATA |
|------|--|--|
| A | | |
| CM08 | Specify the setting method for Call Forwarding-Busy Line-Outside. | (1) 222 (2) 0: The feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1 ◀ : The feature is set when receiving Service Set Tone (ORT time out) |
| | Allow or restrict the ability to set Call Forwarding-Busy Line for a station with Do Not Disturb set. | (1) 240 (2) 0: Allow 1 ◀ : Restrict |
| | Assign whether or not an extension can set Call Forwarding-Busy Line-Outside by entering only a trunk access code. | (1) 386 (2) 0: Restrict 1 ◀ : Allow |
| | Assign whether or not the system should check the trunk restriction class of the forwarded station during a Call Forwarding-Busy Line Outside. | (1) 387 (2) 0: Call Forwarding-Busy Line-Outside follows setting station class 1 ◀ : No check |
| CM90 | Assign Call Forwarding-Busy Line keys to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (2) F0014: Call Forwarding-Busy Line Set/Cancel For setting the same key as Call Forwarding-No Answer (2) F0012: Set/Cancel |
| CM65 | Provide Call Forwarding feature with each tenant as per incoming call type. | <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) (1) Tenant No. (00-63) (2) 1 ◀ : Call Forwarding |
| END | | |

CALL FORWARDING: CALL FORWARDING-NO ANSWER

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign the Class of Service for this feature to the required stations. Note: <i>When providing Call Forwarding-No Answer-Outside, set "1" (Allowed) for YY=10, YY=27, YY=12, YY=29 of CM15</i> | <ul style="list-style-type: none"> • CM12YY = 02 [Service Restriction Class (A) (00-15◀)] • CM15YY=10 (Call Forwarding-No Answer) • CM15YY=27 (Call Forwarding-No Answer-Outside) • CM15YY=12 (Call Forwarding-Busy Line/-No Answer) • CM15YY=29 (Call Forwarding-Busy Line-Outside/-No Answer-Outside) (1) XX: Service Restriction Class (A) assigned by CM12 YY=02. (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Forwarding-No Answer, Entry and Cancel. respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*6, #6) (2) 016: Entry 017: Cancel For setting the same access code as Call Forwarding-Busy Line (1) 012: Entry 013: Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM41</div> | Specify the timing for Call Forwarding-No Answer for a trunk incoming call. Specify the timing for Call Forwarding-No Answer for an internal call or an assisted call. | <ul style="list-style-type: none"> • Y = 0 (1) 01 (2) 01-30 :4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. <ul style="list-style-type: none"> • Y = 0 (1) 15 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CALL FORWARDING: CALL FORWARDING-NO ANSWER

| DESCRIPTION | DATA |
|--|--|
| <div style="text-align: center;">A</div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin: 2px;">CM35</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">CM36</div> </div> | <ul style="list-style-type: none"> • CM35 YY=05 <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) Note (2) 1◀ : Release Signal arrive Note • CM36 <ol style="list-style-type: none"> (1) Incoming Trunk Route No. + Outgoing Trunk Route No. (Assigned by CM35 YY=05) (2) 0: Allowed |
| <p>Note: For Resident System Programming, refer to the Command Manual.</p> | |
| <div style="border: 1px solid black; padding: 2px; margin: 2px;">CM08</div> | <p>Specify the setting method for Call Forwarding-No Answer-Outside.</p> <ol style="list-style-type: none"> (1) 222 (2) 0: The feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1◀ : The feature is set when receiving Service Set Tone (ORT time out) |
| <p>Assign whether or not an extension can set Call Forwarding-No Answer-Outside by entering only a trunk access code.</p> | <ol style="list-style-type: none"> (1) 386 (2) 0: Restrict 1◀ : Allow |
| <p>Assign whether or not the system should check the trunk restriction class of the forwarded station during a Call Forwarding-No Answer-Outside.</p> | <ol style="list-style-type: none"> (1) 387 (2) 0: Call forwarding No Answer-Outside follows setting station class 1◀ : No check |
| <div style="border: 1px solid black; padding: 2px; margin: 2px;">CM90</div> | <p>Assign Call Forwarding-No Answer keys to the Multiline Terminals, as required.</p> <ul style="list-style-type: none"> • YY=00 <ol style="list-style-type: none"> (1) Primary Extension No. + + Key No. (2) F0016: Call Forwarding-No Answer Set/Cancel <p>For setting the same key as Call Forwarding-Busy Line</p> <ol style="list-style-type: none"> (1) F0012: Set/Cancel |
| <div style="border: 1px solid black; padding: 2px; margin: 2px;">CM65</div> | <p>Provide Call Forwarding feature with each tenant as per incoming call type.</p> <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) <ol style="list-style-type: none"> (1) Tenant No. (00-63) (2) 1◀ : Call Forwarding |
| <div style="text-align: center;"><u>END</u></div> | |

CALL FORWARDING: CALL FORWARDING-DESTINATION

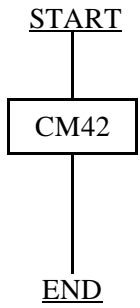
PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: (Station No.) (2) <u>XXXX</u> *a *a: Service Restriction Class (A) (00-15◀) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM15</div> | Assign this feature to Service Restriction Class (A) assigned by CM12 YY=02. | <ul style="list-style-type: none"> • Y=15 (1) XX: Service Restriction Class (A) assigned by CM12 YY=02. (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Forwarding-Destination, Entry and Cancellation, respectively. | <ul style="list-style-type: none"> • YY=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*7, #7) (2) 018: Call Forwarding-Destination Entry 019: Call Forwarding-Destination Cancel |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign Call Forwarding-Destination Set/Cancel Keys to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY=0 (1) Primary Extension No. + + Key No. (2) P0018: Set P0019: Cancel |
| <div style="text-align: center;">END</div> | | |

CALL FORWARDING: MULTIPLE CALL FORWARDING-ALL CALLS

PROGRAMMING

In addition to the programming for Call Forwarding-All Calls, do the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|---|---|
|  | Specify the number of times a call can be call forwarded. | (1) 14 (2) 01-05 [Number of times (One to five times)] If no data is set, the default setting is 5. |

CALL FORWARDING: MULTIPLE CALL FORWARDING-BUSY LINE

PROGRAMMING

In addition to the programming for Call Forwarding-Busy Line, do the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM42 | Specify the number of times a call can be call forwarded. | (1) 14 (2) 01-05 [Number of times (One to five times)] If no data is set, the default setting is 5. |
| <u>END</u> | | |

CALL FORWARDING: MULTIPLE CALL FORWARDING-NO ANSWER

PROGRAMMING

In addition to the programming for Call Forwarding-No Answer, do the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM41 | Specify the timing for No Answer after second Call Forwarding. | <ul style="list-style-type: none">• Y = 0(1) 46(2) 01-30: 4 -120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| <u>END</u> | | |

CALL FORWARDING: SPLIT CALL FORWARDING - ALL CALLS (1200 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | Assign the Class of Service for this feature to the required stations. Note: <i>When providing Call Forwarding-All Calls-Outside, set "1" (Allowed) for YY=00, YY=26 of CM15</i> | <ul style="list-style-type: none"> • CM12 YY=02 [Service Restriction Class (A) (00-15◀)] • CM15 YY=00 (Call Forwarding-All Calls) • CM15 YY=26 (Call Forwarding-All Calls-Outside) (1) XX: Service Restriction Class (A) assigned by CM12 YY=02. (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Forwarding-All Calls, Entry and Cancel, respectively. Assign the access code for Split Call Forwarding-All Calls. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*5, #5) (2) 010: Entry 011: Cancel (1) X-XXX: Access Code (2) A80: Entry A81: Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM36</div> | To apply this feature to incoming calls, set the trunk route combinations for Tandem Connection. Note: <i>For Resident System Programming, refer to the Command Manual.</i> | <ul style="list-style-type: none"> • CM35 YY=05 (1) Trunk Route No. (00-63) Note (2) 1◀ : Release Signal arrive Note • CM36 (1) Incoming Trunk Route No. + Outgoing Trunk Route No. (Assigned by CM35 YY=05) (2) 0: Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | Specify the setting method for Call Forwarding-All Calls-Outside. | <ul style="list-style-type: none"> (1) 0: The feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1◀ : The feature is set when receiving Service Set Tone (ORT time out) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

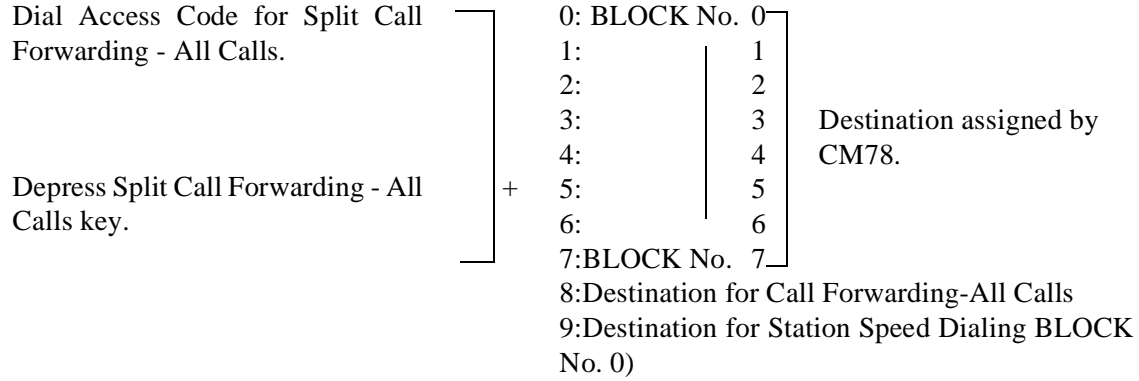
CALL FORWARDING: SPLIT CALL FORWARDING - ALL CALLS (1200 Series Enhancement)

| | DESCRIPTION | DATA |
|------|--|---|
| A | | |
| CM08 | Assign whether or not an extension can set Split Call Forwarding-All Calls-Outside by entering only a trunk access code. | (1) 386 (2) 0: Restrict 1◀: Allow |
| | Assign whether or not the system should check the trunk restriction class of the forwarded station during a Split Call Forwarding-All Calls-Outside. | (1) 387 (2) 0: Split Call forwarding-All Calls-Outside Follows setting station class 1◀: No check |
| CM90 | Assign Call Forwarding-All Calls keys to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + [] + Key No. (2) F0010: Call Forwarding-All Calls Set/Cancel |
| | Assign Split Call Forwarding-All Calls keys to the Multiline Terminals, as required. | (1) Primary Extension No. + [] + Key No. (2) F0A80: Split Call Forwarding-All Call 3.Set/Cancel |
| CM65 | Select the feature available in each tenant when an internal call and a Tie Line/C.O. incoming call is terminated. | <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) (1) Tenant No. (00-63) (2) 0: Split Call Forwarding 1◀: Call Forwarding |
| CM78 | Assign the destination of Split Call Forwarding. Note | <p>(1) <u>XX X</u> └─ Tenant No. (00-63) └─ Block No. (0-7)</p> <p><u>X-XXX + [] + XX...X</u> └─ Trunk Access Code (1-3 digits) └─ Called No. (Max. 26 digits)</p> <p>X-XXXX: Station No. (1-4 digits)</p> |
| CM48 | Select the Dial Tone on Setting Split Call Forwarding-All Calls. (1300 Series Enhancement) | <ul style="list-style-type: none"> • Y=2 (1) 13 (Dial Tone on Setting Split Call Forwarding-All Calls) (2) 0: Special Dial Tone (Stutter Dial Tone) 1◀: Dial Tone |
| END | INITIAL | |

CALL FORWARDING: SPLIT CALL FORWARDING-ALL CALLS (1200 Series Enhancement)

Note: *The operating procedure for Split Call Forwarding-All Calls is as follows:
CM78 is used to assign the destination forwarded when the destination No. 0-7 is specified.*

Dial Destination No. X (0-9)



CALL FORWARDING: SPLIT CALL FORWARDING-BUSY LINE (1200 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign the Class of Service for this feature to the required stations.</p> <p>Note: <i>To provide this feature, set "1" (Allowed) for YY=11, YY=28, YY=12, YY=29 of CM15.</i></p> | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class (A) (0015◀)] • CM15 YY = 11 (Call Forwarding-Busy Line) • CM15 YY = 28 (Call Forwarding-Busy Line-Outside) • CM15 YY=12 (Call Forwarding-Busy Line/-No Answer) • •CM15 YY=29 (Call Forwarding-Busy Line-Outside/-No Answer-Outside) <p>(1) XX: Service Restriction Class (A) assigned by CM12 YY = 02.</p> <p>(2) 1◀ : Allowed</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for Call Forwarding-Busy Line, Entry and Cancel, respectively.</p> <p>Assign the access code for Split Call Forwarding-Busy Line.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <p>(1) X-XXX: Access Code (*6, #6)</p> <p>(2) 014: Entry 015: Cancel</p> <p>For setting the same access code as Call Forwarding-No Answer</p> <p>(1) 012: Entry 013: Cancel</p> <p>(1) X-XXX: Access Code</p> <p>(2) A82: Entry A83: Cancel</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CALL FORWARDING: SPLIT CALL FORWARDING-BUSY LINE (1200 Series Enhancement)

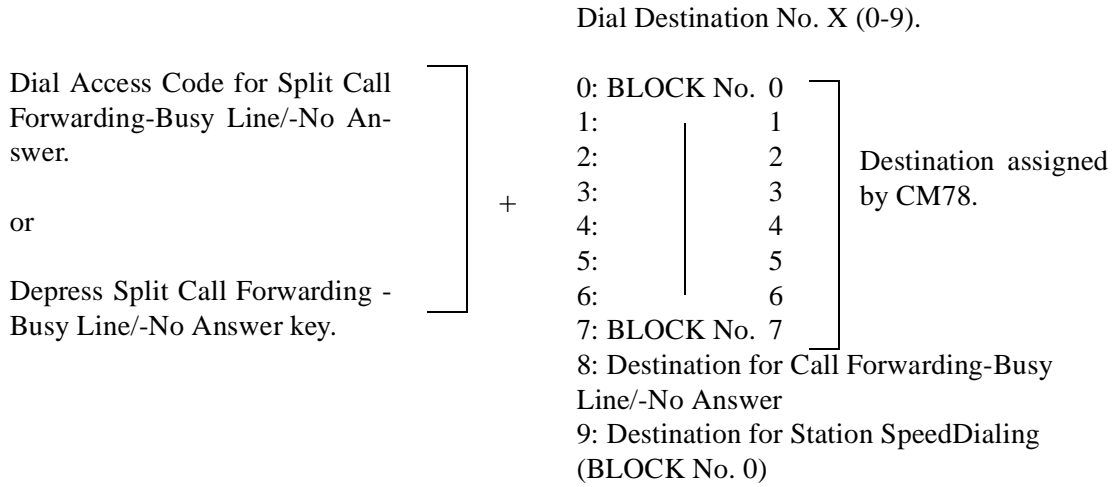
| A | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM36</div> | <p>To apply this feature to incoming calls, set the trunk route combinations for Tandem Connection.</p> <p>Note: <i>For Resident System Programming, refer to the Command Manual.</i></p> | <ul style="list-style-type: none"> • CM35 YY=05 <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) Note (2) 1◀ : Release Signal arrive Note • CM36 <ol style="list-style-type: none"> (1) Incoming Trunk Route No. + Outgoing Trunk Route No. (Assigned by CM35 YY=05) (2) 0: Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify the setting method for Call Forwarding Busy Line-Outside.</p> <p>Allow or restrict the ability to set Split Call Forwarding-Busy Line for a station with Do Not Disturb set.</p> <p>Assign whether or not an extension can set Split Call Forwarding-Busy Line-Outside by entering only a trunk access code.</p> <p>Assign whether or not the system should check the trunk restriction class of the forwarded station during a Call Forwarding-Busy Line-Outside.</p> | <ol style="list-style-type: none"> (1) 222 (2) 0: This feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1◀ : This feature is set when receiving Service Set Tone (ORT time out) <ol style="list-style-type: none"> (1) 240 (2) 0: Allow 1◀ : Restrict <ol style="list-style-type: none"> (1) 386 (2) 0: Restrict 1◀ : Allow <ol style="list-style-type: none"> (1) 387 (2) 0: Split Call forwarding Busy Line Outside follows setting station class 1◀ : No check |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">B</div> | | |

CALL FORWARDING: SPLIT CALL FORWARDING-BUSY LINE (1200 Series Enhancement)

| | DESCRIPTION | DATA |
|---|---|---|
| <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">B</div> | | |
| <div style="border: 1px solid black; padding: 2px; width: 60px; margin: 0 auto;">CM65</div> | <p>Assign Call Forwarding-Busy Line keys to the Multiline Terminals, as required.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (2) F0014: Call Forwarding-Busy Line Set/Cancel <p style="text-align: center;">For setting the same key as Call Forwarding -No Answer</p> <ul style="list-style-type: none"> (3) F0012: Set/Cancel |
| | <p>Assign Split Call Forwarding-Busy Line keys to the Multiline Terminals, as required.</p> | <ul style="list-style-type: none"> (1) Primary Extension No. + + Key No. (2) FOA82: Split Call Forwarding-Busy Line/-No Answer Set/Cancel |
| <div style="border: 1px solid black; padding: 2px; width: 60px; margin: 0 auto;">CM78</div> | <p>Select the feature available in each tenant when an internal call and a Tie Line/C.O. incoming call is terminated.</p> | <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT Assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) (1) Tenant No. (00-63) (2) 0: Split Call Forwarding 1 ◀ : Call Forwarding |
| | <p>Assign the destination of Split Call Forwarding. Note</p> | <p><u>XX X</u> *a *b *a: Tenant No. (00-63) *b: Block No. (0-7)</p> <div style="border-left: 1px solid black; padding-left: 10px;"> <p><u>X-XXX</u> + + <u>XX...X</u> *a *b *a: Trunk Access Code (1-3 digits) *b: Called No. (Max. 26 digits) X-XXXX: Station No. (1-4 digits)</p> </div> |
| <div style="border: 1px solid black; padding: 2px; width: 50px; margin: 0 auto;">END</div> | | |

CALL FORWARDING: SPLIT CALL FORWARDING-BUSY LINE (1200 Series Enhancement)

Note: *The operating procedure for Split Call Forwarding-Busy Line/No Answer is as follows:
CM78 is used to assign the destination forwarded when the destination No. 0-7 is specified.*



CALL FORWARDING: SPLIT CALL FORWARDING-NO ANSWER (1200 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign the Class of Service for this feature to the required stations.</p> <p>Note: <i>To provide this feature, set "1" (Allowed) for YY=10, YY=27, YY=12, YY=29 of CM15.</i></p> | <ul style="list-style-type: none"> • CM12YY=02 [Service Restriction Class (A) (00-15◀)] • CM15YY=10 (Call Forwarding-No Answer) • CM15YY=27 (Call Forwarding-No Answer-Outside) • CM15 YY=12 (Call Forwarding-Busy Line/-No Answer) • CM15 YY=29 (Call Forwarding-Busy Line-Outside/-No Answer-Outside) <p>(1) XX: Service Restriction Class (A) assigned by CM12 YY=02.</p> <p>(2) 1◀ : Allowed</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for Call Forwarding-No Answer, Entry and Cancel, respectively.</p> | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) <p>(1) X-XXX: Access Code (*6, #6)</p> <p>(2) 016: Entry 017: Cancel</p> <p>For setting the same access code as Call Forwarding-Busy Line</p> <p>(2) 012: Entry 013: Cancel</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | <p>Assign the access code for Split Call Forwarding-No Answer.</p> | <p>(1) X-XXX: Access Code</p> <p>(2) A82: Entry A83: Cancel</p> |

CALL FORWARDING: SPLIT CALL FORWARDING- NO ANSWER (1200 Series Enhancement)

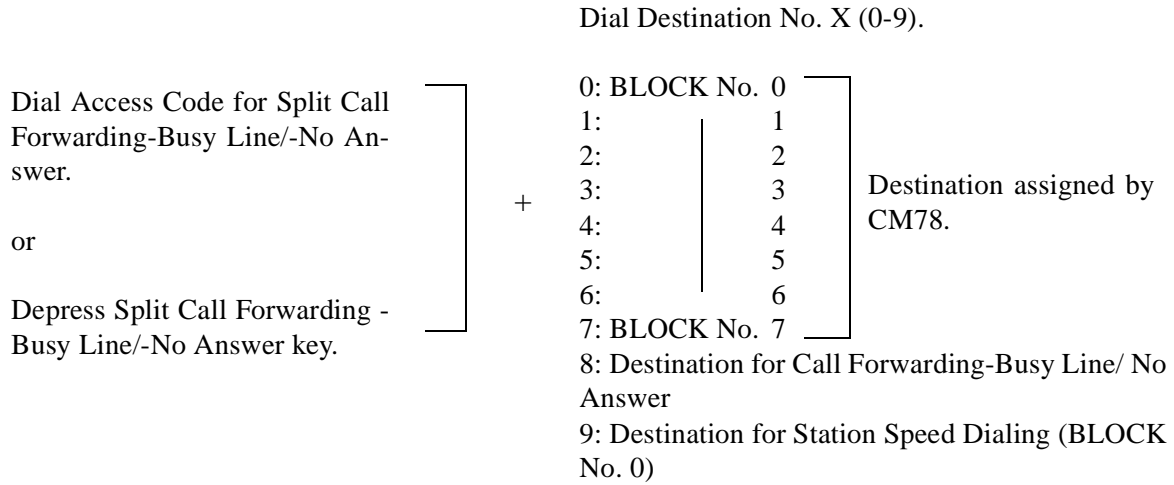
| A | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM41</div> | Specify the timing for Call Forwarding-No Answer for a trunk incoming call. | <ul style="list-style-type: none"> • Y=0 (1) 01 (2) 01-30 (Timer Data for 0-120 sec. in 4-sec. increments) <p>If no data is set, the default setting is 32-36 seconds.</p> |
| | Specify the timing for Call Forwarding-No Answer for an internal call or an assisted call. | <ul style="list-style-type: none"> • Y=0 (1) 15 (2) 01-30: 0-120 sec. in 4 sec. increments <p>If no data is set, the default setting is 32-36 seconds.</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM36</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> | To apply this feature to incoming calls, set the trunk route combinations for Tandem Connection. | <ul style="list-style-type: none"> • CM35 YY=05 (1) Trunk Route No. (00-63) Note (2) 1 ◀ : Release Signal arrive Note |
| | | <ul style="list-style-type: none"> • CM36 (1) Incoming Trunk Route No. + Outgoing Trunk Route No. (Assigned by CM35 YY=05) (2) 0: Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | Specify the setting method for Call Forwarding-No Answer-Outside. | <ul style="list-style-type: none"> (1) 222 (2) 0: The feature is set when the station goes on hook/when receiving Service Set Tone (ORT time out) 1 ◀ : The feature is set when receiving Service Set Tone (ORT time out) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">B</div> | Assign whether or not an extension can set Split Call Forwarding-No Answer-Outside by entering only a trunk access code. | <ul style="list-style-type: none"> (1) 386 (2) 0: Restrict 1 ◀ : Allow |
| | Assign whether or not the system should check the trunk restriction class of the forwarded station during a Split Call Forwarding-No Answer-Outside. | <ul style="list-style-type: none"> (1) 387 (2) 0: Split Call forwarding No Answer-Outside follows setting station class 1 ◀ : No check |

CALL FORWARDING: SPLIT CALL FORWARDING- NO ANSWER (1200 Series Enhancement)

| B | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign Call Forwarding-No Answer keys to the Multiline Terminals, as required.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + [] + Key No. (2) F0016: Call Forwarding-No Answer Set/Cancel <p>For setting the same key as Call Forwarding-Busy Line.</p> <ul style="list-style-type: none"> (3) F0012: Set/Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM65</div> | <p>Assign Split Call Forwarding-No Answer keys to the Multiline Terminals, as required.</p> <p>Select the feature available in each tenant when an internal call and a Tie Line/C.O. incoming call is terminated.</p> | <ul style="list-style-type: none"> (1) Primary Extension No. + [] + Key No. (2) FOA82: Split Call Forwarding-Busy Line/-No Answer Set/Cancel <ul style="list-style-type: none"> • YY=23 (Internal Call or ATT assisted Call) • YY=24 (C.O. Incoming Call) • YY=25 (Tie Line Incoming Call) <ul style="list-style-type: none"> (1) Tenant No. (00-63) (2) 0: Split Call Forwarding 1 ◀ : Call Forwarding |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM78</div> | <p>Assign the destination of Split Call Forwarding. Note</p> | <ul style="list-style-type: none"> (1) <u>XX X</u> *a *b *a: Tenant No. (00-63) *b: Block No. (0-7) <u>X-XXX</u> + [] + <u>XX...X</u> *a *b *a: Trunk Access Code (1-3 digits) *b: Called No. (Max. 26 digits) X-XXXX: Station No. (1-4 digits) |
| <p><u>END</u></p> | | |

CALL FORWARDING: SPLIT CALL FORWARDING- NO ANSWER (1200 Series Enhancement)

Note: *The operating procedure for Split Call Forwarding-Busy Line/No Answer is as follows:
CM78 is used to assign the destination forwarded when the destination No. 0-7 is specified.*



CALL FORWARDING: SET/RESET FROM MAT/CAT (1700 Series Enhancement)

To set or reset the Call Forwarding service from a MAT/CAT, use the following command.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CME6</div> | <p>Use YY = 00-03 for Call Forwarding and YY = 04-05 for Split Call Forwarding. To reset the service, assign "CCC" to the second data of each YY No.</p> | <ul style="list-style-type: none"> • YY = 00 (CF-All Calls) • YY = 01 (CF-Busy Line) • YY = 02 (CF-No Answer) • YY = 03 (CF-Busy Line/No Answer) <p>(1) X-XXXX: Station No. (2) Destination No. <Destination=Extension> X-XXXX: Station No. <Destination=Outside Party> <u>X-XX + , + YY...YY</u> *a *b *c</p> <p>*a: Outgoing Trunk/LCR GroupAccess Code (1-2 digits) *b: Separate Mark *c: Called No. (Max.26 digits) <Destination=ATTCON> E000: ATTCON</p> <ul style="list-style-type: none"> • YY = 04 (Split CF-ALL Calls) • YY = 05 (Split CF-Busy Line/No Answer) <p>(1) XXXX: Station No. (2) 0: Target Station for Split CF (Block 0)/ATT 1: Target Station for Split CF (Block 1) 2: Target Station for Split CF (Block 2) 3: Target Station for Split CF (Block 3) 4: Target Station for Split CF (Block 4) 5: Target Station for Split CF (Block 5) 6: Target Station for Split CF (Block 6) 7: Target Station for Split CF (Block 7) 8: Target Station for Call Forwarding 9: Station Speed Dialing (Block 0)</p> |
| <u>END</u> | | |

CALL FORWARDING: GROUP DIVERSION

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM08 | Provide the system with Group Diversion. | (1) 026 (Group Diversion) (2) 0: To be provided |
| CM16 | Set up the members to be included in each Group Diversion Group. Note | <ul style="list-style-type: none"> • Y = 2 (Group Diversion Group) (1) X-XXXX (Station No. to be included in Group Diversion) (2) 00-30 (Group Diversion Group No.) |
| CM19 | Assign the destination for each Group Diversion Group to the required stations. | <ul style="list-style-type: none"> • Y = 6 (1) 00-30 (Group Diversion Group No.) (2) X-XXXX (Destination Station No.) |
| CM41 | Set the timing for transferring a call using this feature. | <ul style="list-style-type: none"> • Y = 0 (1) 01 (2) 01-30: 4 - 120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| <u>END</u> | | |

Note: *The number of Stations that can be included in the same group is unlimited.*

CALL PARK-SYSTEM

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM12 | Assign Service Restriction Class (C) to each station. | <ul style="list-style-type: none"> • YY = 07 (1) X-XXXX: Station No. (2) XX : Service Restriction Class (C) (00 - 15 ◀) |
| CM15 | Assign type of Multiline Terminal to Service Restriction Class (C) assigned by CM12 YY = 07. | <ul style="list-style-type: none"> • YY = 96 (1) XX: Service Restriction Class (C) assigned by CM12 YY = 07. (2) 0: Without LCD 1◀ : With LCD |
| CM20 | Assign the access code for Call Park-System set/retrieve. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (6*, 6#) (2) 008: Call Park-System Set 009: Call Park-System retrieve |
| CM41 | Specify the recall timing for Call Park-System. | <ul style="list-style-type: none"> • Y = 0 (1) 05 (2) 01-98: 4-392 sec. in 4 sec. increments If no data is set, the default setting is 60-64 seconds. |
| CM90 | <p>Assign a Call Park-System function key to the Multiline Terminals with LCD, if required.</p> <p>Assign a Call Park-System function key to SN610 ATTCON, as required. (1200 Series Enhancement)</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + [] + Key No. (2) F5000 • YY=00 (1) ATTCON No. + [] + Key No. (2) F6144: Call Park key |
| CM08 | Specify whether a trunk placed on consultation hold by Call Park-System can be retrieved by pressing a trunk line appearance key on a Multiline Terminal. | <ul style="list-style-type: none"> (1) 133 (2) 0/1◀ : Not Available/Available |
| END | | |

CALL PARK - TENANT

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM20 | Assign access codes for Call Park-Tenant set/retrieve. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX:Access Code (2) 062 :Call Park-Tenant Set/Retrieve |
| CM08 | Specify whether a trunk placed on consultation hold by Call Park-Tenant can be retrieved by pressing a trunk-line appearance key on a Multiline Terminal. | <ul style="list-style-type: none"> (1) 133 (2) 0/1 ◀ : Not Available/Available |
| CM41 | Specify the recall timing for Call Park - Tenant. | <ul style="list-style-type: none"> • Y = 0 (1) 05 (2) 01-98: 4-392 sec. in 4 sec. increments If no data is set, the default setting is 60-64 seconds. |
| CM90 | Assign Call Park-Tenant Retrieve keys to the Multiline Terminals, as required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + [] + Key No. (2) F3XX X *a*b *a: Group No. (00 - 63) *b: Serial Key No. (1 - 8) |
| END | | |

CALL PICKUP-DIRECT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Station Number (2) <u>XX</u> XX *a *a: Service Restriction Class (A) (00-15 ◀) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | Assign this feature to Service Restriction Class (A) assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 14 (1) XX: Service Rest. Class (A) assigned by CM12 YY = 02. (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call Pickup-Direct. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 021: Call Pickup-Direct |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | Assign a Call Pickup-Direct key to Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + . + Key No. (2) F0021: Call Pickup-Direct |
| <u>END</u> | | |

CALL PICKUP-GROUP

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM16</div> | <p>Assign each Call Pickup Group, by assigning station numbers within a group one by one with the following operation:</p> <p>Example: <i>For assigning Stations 300, 301 and 302 to the same Call Pickup Group:</i></p> <p style="margin-left: 40px;">1st Operation (1) 300 (2) 301</p> <p style="margin-left: 40px;">2nd Operation (1) 301 (2) 302</p> <p style="margin-left: 40px;">3rd Operation (1) 302 (2) 300</p> | <ul style="list-style-type: none"> • Y = 0 (1) X-XXXX:Station No. to be included in the Call Pickup Group. (2) X-XXXX:Another Station No. to be included in the same group. |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for Call Pickup-Group.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX:Access Code (2) 020 : Call Pickup-Group |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign a Call Pickup-Group key to each Multiline Terminal, as required.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F0020 |
| <u>END</u> | | |

Note 1: *There is no limit to the amount of Call Pickup Groups.*

Note 2: *:The maximum number of stations within a group is 60. Individual stations can be assigned to only one Call Pickup Group.*

CALL PICKUP-DESIGNATED GROUP

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------------------|--|--|
| START CM16 | <p>Assign each Call Pickup Group, by assigning station numbers within a group one by one with the following operation:</p> <p>Example: <i>For assigning Stations 300, 301 and 302 to the same Call Pickup Group:</i></p> <p>1st Operation (1) 300 (2) 301</p> <p>2nd Operation (1) 301 (2) 302</p> <p>3rd Operation (1) 302 (2) 300</p> | <ul style="list-style-type: none"> • Y = 0 (1) X-XXXX: Station No. to be included in the Call Pickup Group. (2) X-XXXX: Another Station No. to be included in the same group. |
| CM12 | <p>Assign the Service Restriction Class (A) to each station.</p> | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Station Number (2) <u>XX</u> XX *a *a: Service Restriction Class (A) (00-15◀) |
| CM15 | <p>Assign the Call Pickup-Direct feature to Service Restriction Class (A) assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 14 (1) XX:Service Rest. Class (A) assigned by CM12 YY = 02. (2) 1◀ : Allowed |
| CM20 END | <p>Assign an access code for Call Pickup-Designated Group.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX:Access Code (75) (2) 037 : Call Pickup-Designated Group |

Note 1: *There is no limit to the amount of Call Pickup Groups.*

Note 2: *The maximum number of stations within a group is 60. Individual stations can be assigned to only one Call Pickup Group.*

CALL REDIRECT (1800 Series Enhancement)

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Provide the Multiline Terminal with a Call Redirect key for transferring a call to a destination station or VMS.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (2) F5011: Call Redirect 0 (For transferring to a station assigned by CM51 YY=22) F5012: Call Redirect 1 (For transferring to a VMS assigned by CM51 YY=18) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM51</div> | <p>Specify the destination VMS station of Call Redirect, to each tenant.</p> <p>Specify the destination station of Call Redirect, to each tenant.</p> | <ul style="list-style-type: none"> • YY=18 (1) Tenant No. (00-63) (2) X-XXXX: VMS Station No. • YY=22 (1) Tenant No. (00-63) (2) X-XXXX: Station No. |
| <u>END</u> | | |

CALL TRANSFER-ATTENDANT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM20 | Assign the Access code for operator calls. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (0) (2) 800 |
| CM62 | Specify the tenants to be handled by each ATT Group. | <ul style="list-style-type: none"> • Y =0-3 (ATT Group 0-3 assigned by CM60 YY = 00) (1) 00-63 (Tenant No.) (2) 0: To be handled |
| CM08 | Specify Call Transfer from a station before the called SN610 ATTCON answers. | <ul style="list-style-type: none"> (1) 063 (2) 0/1 ◀ Available/Not Available |
| <u>END</u> | | |

(INITIAL)

CAMP-ON

PROGRAMMING

Camp-On (Transfer Method)

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM08 | Provide the system with the Camp-On by Station feature. | <ul style="list-style-type: none"> (1) 146 : Automatic Camp-On (2) 0 : Available |
| CM12 | Assign the Class of Service for Camp-On to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class (A) (00-15 ◀)] |
| CM15 | | |
| CM08 | Specify the Camp-On Tone sent to a busy station by Camp-On Transfer Method. | <ul style="list-style-type: none"> (1) 068 (2) 0/1 ◀ Only once/Every 4 sec. |
| CM41 | Specify the timing for the Camp-On Recall Timer. | <ul style="list-style-type: none"> • Y = 0 (1) 26 (2) 01-15: 8-120 sec. in 8 sec. increments If no data is set, the default setting is 24-32 seconds. |
| CM20 | Assign an access code for Camp-On by Station (Transfer method). | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*2) (2) 007: Camp-On by Station (Transfer method) |
| END | | |

CAMP-ON

Camp-On (Call Waiting Method)

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Provide the system with the Camp-On by Station feature. | <ul style="list-style-type: none"> (1) 146:Automatic Camp-On (2) 0 : Available |
| CM12 | Assign the Class of Service for Camp-On to the required stations. | <ul style="list-style-type: none"> (1) 147 : Manual Camp-On (Result of Switch Hook Flash while hearing Busy Tone.) (2) 0 : Special Dial Tone allowing use of Camp-On by access code. |
| CM15 | | |
| CM20 | Assign the access code for Camp-On by Station (Call Waiting Method). | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class (A) (00-15 ◀)] • CM15 YY = 43 (Call Waiting Method - Set from calling side) YY = 44 (Call Waiting Method - Answer from called side) (1) Service Rest. Class (A) (00-15) assigned by CM12 YY = 02 (2) 1 ◀ Allowed • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX:Access Code (#2) (2) A25 :Camp-On by Station (Call Waiting Method) |
| END | | |

Note: For the data assignment of the ANS key to answer a Camp-On call from a Multiline Terminal, refer to the ANSWER Key.

CAMP-ON

When using a Single-Digit Feature-Access Code for Camp-On, add the following system data.

| <u>START</u> | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>To activate the Single Digit Feature Access Code, set the data for 050, 051, 069 and 148 to "1".</p> | <ul style="list-style-type: none"> [(1) 050: * Button as Switch Hook Flash [(2) 1 ◀ Ineffective [(1) 051: # Button as Switch Hook Flash [(2) 1 ◀ Ineffective [(1) 069:Single Digit Dialing on BT Connection [(2) 1 ◀ Step Call [(1) 148:Same Last Digit Redialing on BT Connection [(2) 1 ◀ Ineffective |
| <u>END</u> | <p>Provide the System with the Single Digit Feature Access Code on BT Connection.</p> | <ul style="list-style-type: none"> (1) 208 (2) 0: Available |

CCSA ACCESS

PROGRAMMING

In addition to the programming of E&M Tie Line Access, assign CCSA line to the required routes, as shown below.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM35 | Assign CCSA line to required routes. Specify the ICI key, for the ATTCON, to which a CCSA incoming call from the CCSA network will terminate. | <ul style="list-style-type: none">• YY = 00 (1) 00-63 (Trunk Route No.) (06) (2) 03: CCSA line• YY = 15 (1) Trunk Route No. (00-63) (2) ICI key 30: CCSA Incoming Call 0 { } 37: CCSA Incoming Call 7 |
| CM90 | Assign the ICI key to the ATTCON, to which a CCSA incoming call will terminate. | <ul style="list-style-type: none">• YY = 00 (1) ATTCON No. + + key No. (2) ICI key F6030: Call Termination from CCSA Line 0 { } F6037: Call Termination from CCSA Line 7 |
| CM20 | Assign the CCSA access code. | <ul style="list-style-type: none">• Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (85) (2) 100-163: Trunk Route 00-63 (06) |
| <u>END</u> | | |

HARDWARE REQUIRED

PN-2ODT card × n

CENTREX COMPATIBILITY

PROGRAMMING

In addition to the programming of DIRECT OUTWARD DIALING (DOD), do the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign the Centrex Trunk function to the required trunk routes.</p> <p>Provide the capability for sending a hookflash signal to the Centrex.</p> | <ul style="list-style-type: none"> • YY = 86 <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0: Centrex Trunk • YY = 16 <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 1 ◀ Sending |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for sending a hookflash signal to the Centrex Line from a PB Single-Line Telephone.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ol style="list-style-type: none"> (1) X-XXX: Access Code (2) A58 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM93</div> | <p>Assign the Centrex Trunk as a Prime Line to the desired Multiline Terminal extension.</p> | <ol style="list-style-type: none"> (1) (1)X-XXXX (Primary Extension No.) (2) D <u>XXX</u> (Trunk No.) *a <p>*a: 000-255</p> |
| <u>END</u> | | |

CLASS OF SERVICE

PROGRAMMING

To assign the Telephone Class:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content;">CM12</div> | Assign the Telephone Class to each station. | <ul style="list-style-type: none">• YY = 00 (Type of Telephone)<ul style="list-style-type: none">(1) Station Number (X-XXXX)(2) 1 : DP (Rotary Dial Telephone)3◀ : DTMF (Push Button Telephone)/DP • YY = 03 (Telephone Class)<ul style="list-style-type: none">(1) Station Number (X-XXXX)(2) 00: House Phone 001: House Phone 102: House Phone 203: House Phone 304: Hot Line05: Automatic Intercom06: Manual Intercom07: Dial Intercom08: Attendant Position Loop Line15◀ Ordinary Station |
| <u>END</u> | | |

CLASS OF SERVICE

To assign the Trunk Restriction Class:

| <u>START</u> | DESCRIPTION | DATA |
|--------------|--|--|
| CM12 | Assign the Trunk Restriction Class to each station. | <ul style="list-style-type: none"> • YY = 01 (Trunk Restriction Class) (1) Station Number (X-XXXX) (2) <u>XX</u> *a*b <li style="padding-left: 20px;">*a: Trunk Rest. Class in Day mode (1 ◀ -8) <li style="padding-left: 20px;">*b: Trunk Rest. Class in Night mode (1 ◀ -8) <li style="padding-left: 40px;">1: Unrestricted (RCA) <li style="padding-left: 40px;">2: Non-Restricted 1 (RCB) <li style="padding-left: 40px;">3: Non-Restricted 2 (RCC) <li style="padding-left: 40px;">4: Semi-Restricted 1 (RCD) <li style="padding-left: 40px;">5: Semi-Restricted 2 (RCE) <li style="padding-left: 40px;">6: Restricted 1 (RCF) <li style="padding-left: 40px;">7: Restricted 2 (RCG) <li style="padding-left: 40px;">8: Fully-Restricted (RCH) |
| CM35 | Set the Outgoing/Incoming Trunk Route Restriction Data by Trunk Restriction Classes (RCA-RCH). | <ul style="list-style-type: none"> • YY = 51-58 (Outgoing Trunk Rest. Data) • YY = 61-68 (Incoming Trunk Rest. Data) (1) Trunk Route No. (00-63) (2) 0/1 ◀ Restricted/Allowed |
| <u>END</u> | | |

CLASS OF SERVICE

To assign the Service Feature Class:

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign the required Service Feature Class to each station.</p> <p>Service Feature categories for each class are specified by CM15.</p> | <ul style="list-style-type: none"> • YY = 02 (Service Rest. Class - A/B) <ol style="list-style-type: none"> (1) Station Number (X-XXXX) (2) <u>XX</u> <u>XX</u> *a *b <ul style="list-style-type: none"> *a: Service Restriction Class A (00-15◀) *b: Service Restriction Class B (00-15◀) • YY = 07 Service Restriction Class C (00-15) <ol style="list-style-type: none"> (1) Station Number (X-XXXX) (2) XX *a <ul style="list-style-type: none"> *a: Service Restriction Class C (00-15t) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Specify the service features in each Service Class A, B, and C.</p> | <ul style="list-style-type: none"> • Service Class A (YY = 00-49, YYY = 100-104) • Service Class B (YY = 53-73) <ol style="list-style-type: none"> (1) XX [Service Restriction Class (A), (B) 00-15] (2) 0/1◀ Restricted/Allowed • Service Class C <ul style="list-style-type: none"> YY = 80 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Restricted/Allowed YY = 82 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Allowed/Restricted YY = 83, 84 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Note 1 YY = 88, 89 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Note 2 YY = 90, 91 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Note 3 YY = 96 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Without LCD/With LCD YY = 97, 98 <ol style="list-style-type: none"> (1) XX: 00-15 (2) 0/1◀ Note 4 |
| <div style="text-align: center;"><u>END</u></div> | | |

CLASS OF SERVICE

Note 1: Tone indication pattern is assigned by the combination of data for YY = 83,84.

◀ : Initial Data

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

Note 2: Result of Switch Hook Flash during station-to-station call is specified by the combination of data for YY = 88, 89.

◀ : Initial Data

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

Note 3: Result of Switch Hook Flash during C.O. line Connection specified by the combination of data for YY = 90, 91.

◀ : Initial Data

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

Note 4: Service for a Off Hook Alarm call which encounters the terminating station busy is specified by the combination of data for YY = 97, 98.

◀ : Initial Data

| 97 | 98 | MEANING OF DATA |
|----|----|--|
| 0 | 0 | Call Waiting (When UCD Pilot Station and CM08-212 = 0) |
| 0 | 1 | UCD (When UCD Pilot Station and CM08-212 = 1) |
| 1 | 0 | Call Waiting (When Ordinary Station) |
| 1 | 1 | Hunting (When Ordinary Station) |

CODE RESTRICTION

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Provide the system with the Toll Restriction feature for an outgoing call by System Speed Dialing/Station Speed Dialing, if desired.</p> | <ul style="list-style-type: none"> (1) 035 (Station Speed Dialing) (2) 0/1 ◀ Not to be provided/To be provided <ul style="list-style-type: none"> (1) 044 (System Speed Dialing) (2) 0/1 ◀ Not to be provided/To be provided |
| | <p>Provide the system with Toll Diversion or Toll Denial.</p> | <ul style="list-style-type: none"> (1) 119 (2) 0/1 ◀ Toll Diversion (Routed to the "ICPT" key on the ATTCON)/Toll Denial (Routed to Reorder Tone) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign a Trunk Restriction Class to each station.</p> | <ul style="list-style-type: none"> • YY = 01 (1) X-XXXX (Station No.) (2) X X (Trunk Restriction Class) *a*b *a: 1-8 (In Day Mode) <ul style="list-style-type: none"> 1 ◀ Unrestricted (RCA) 2: Non-Restricted 1 (RCB) 3: Non-Restricted 2 (RCC) 4: Semi-Restricted 1 (RCD) 5: Semi-Restricted 2 (RCE) *b: 1-8 (In Night Mode) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign the data for Dial Pulse sending to the Route No. assigned.</p> | <ul style="list-style-type: none"> • YY = 08 (Dial Pulse Sending) (1) Trunk Route No. (00-63) (2) 3 ◀ To be sent. |
| | <p>Provide the Toll Restriction feature to the required trunk routes.</p> | <ul style="list-style-type: none"> • YY = 11 (1) Trunk Route No. (00-63) (00) (2) 0: To be provided |
| | <p>Specify outgoing route access capability for each restriction class.</p> | <ul style="list-style-type: none"> • YY = 51-55 (1) Trunk Route No. (00-63) (2) 0/1 ◀ Restricted/Allowed |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | <p>Assign the Area Code Development Pattern No. for Toll Restriction and Maximum Digit Analysis to each trunk route.</p> | <ul style="list-style-type: none"> • YY = 76 (1) Trunk Route No. (00-63) (2) 00-04 [Area Code Development Pattern (No. 0-4)] |

CODE RESTRICTION

A

CM81

DESCRIPTION

DATA

Assign the Toll Restriction Patterns with five kinds of Trunk Restriction Classes assigned by CM12 YY = 01. Toll Restriction Pattern 00-15 are preassigned as shown below. If a new Restriction Pattern is required, change the data for Restriction Patterns 01-13 (00, 14 and 15 are fixed).

- YY = 01-13 (Toll Restriction Pattern No. 01-13)
 - (1) Trunk Restriction Class (1-5)
 - (2) 0: Restricted
3: Allowed

| TRUNK RESTRICTION CLASS | | YY | | | | | | | | | | | | | | | |
|-------------------------|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 00 |
| | | TOLL RESTRICTION PATTERN NUMBER ON EACH TRUNK RESTRICTION CLASS | | | | | | | | | | | | | | | |
| | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 00 |
| 1 | RCA | 3 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 |
| 2 | RCB | 3 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 0 |
| 3 | RCC | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 4 | RCD | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 5 | RCE | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |

0: Restricted
3: Allowed

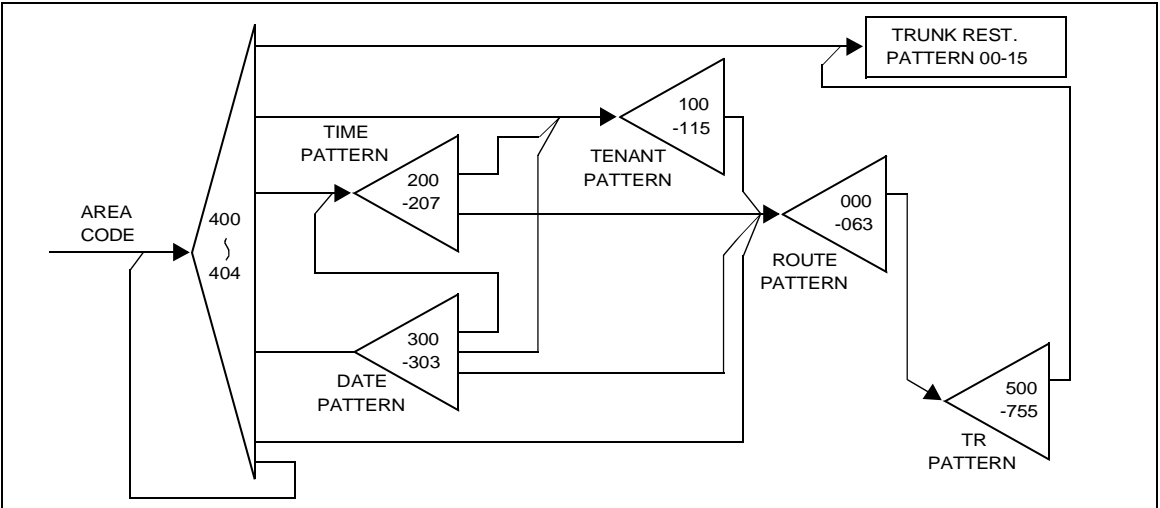
CM85

Specify the maximum number of digits to be dialed during an outgoing call. The maximum number of digits, including the area codes, should be assigned to each area code.

- Y =0-4 (Area Code Development Pattern No. 0-4 assigned by CM35 YY = 76)
 - (1) X-X...X (Area Code dialed, Max. 8 digits)
 - (2) 01: 1 digit
 }
 }
 24◀ 24 digits
 }
 }
 79: 79 digits

B

CODE RESTRICTION

| | DESCRIPTION | DATA |
|---|--|---|
| <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">B</div> <div style="border: 1px solid black; padding: 2px; width: 60px; margin: 10px auto;">CM8A</div> | <p>Assign the area code to be restricted and the Trunk Restriction Pattern No. assigned by CM81 to the Area Code Development Pattern No. assigned by CM35 YY = 76. For example, to provide the Trunk Restriction Class “RCB, RCC, RCD, and RCE” with the Toll Restriction for Area Code “00”:</p> <ul style="list-style-type: none"> • Area Code = 00 • Trunk Restriction Pattern = 05 (See Toll Restriction Pattern Table on CM81.) <p>If the Toll Restriction Pattern for the same area code is changed according to the Tenant, Date, and Time, assign the required patterns (Tenant, Date, and Time) to the area code.</p> | <ul style="list-style-type: none"> • YYY = 400-404 (Area Code Development No. 0-4) (1) Area Code (Max. 8 digits) (2) 900-915 (Trunk Restriction Pattern 00-15) <p>Note: <i>For details of Resident System Program, refer to the Command Manual.</i></p> |
| <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">C</div> |  <p>The diagram illustrates the logic flow for code restriction. It starts with an 'AREA CODE' input that branches into two paths: one for area codes 400 and 404, and another for area codes 300 and 303. The 400/404 path goes through a 'TIME PATTERN' (200-207) and a 'DATE PATTERN' (300-303) before reaching a 'TENANT PATTERN' (100-115). The 300/303 path goes through a 'DATE PATTERN' (300-303) before reaching the 'TENANT PATTERN'. The output of the 'TENANT PATTERN' goes to a 'ROUTE PATTERN' (000-063). The 'ROUTE PATTERN' then branches into two paths: one leading to a 'TRUNK REST. PATTERN 00-15' and another leading to a 'TR PATTERN' (500-755).</p> | |

CODE RESTRICTION

C

CM8A

D

| DESCRIPTION | DATA |
|--|---|
| <p>To add a Tenant Pattern:</p> | |
| <p>STEP 1 <i>Assign the area code to be restricted and a Tenant Pattern No. to the Area Code Development Pattern No. assigned by CM35 YY = 76.</i></p> | <ul style="list-style-type: none"> • YYY =400-404 (Area Code Development Pattern No.) (1) Area Code (Max. 8 digits) (2) 100-115 (Tenant Pattern No. 00-15) |
| <p>STEP 2 <i>Assign a Tenant No. and the Route Pattern No. to the Tenant Pattern No. assigned by Step1.</i></p> | <ul style="list-style-type: none"> • YYY =100-115 (Tenant Pattern No. 00-15) (1) 00-63 (Tenant No. 00-63) (2) 00-63 (Route Pattern No. 00-63) |
| <p>STEP 3 <i>Assign a TR Pattern No. to the Route Pattern No. assigned by Step 2.</i></p> | <ul style="list-style-type: none"> • YYY = 000-063 (Route Pattern No. 00-63) (1) 1 (2) <u>XXX</u> 00 (TR Pattern No.) *a *a: TR Pattern No. 000-255 |
| <p>STEP 4 <i>Assign a Trunk Restriction Pattern No. assigned by CM81 to the TR Pattern No. assigned by Step 3.</i></p> | <ul style="list-style-type: none"> • YYY = 500-755 (TR Pattern No.) (1) 000 (2) 00-15 (Trunk Restriction Pattern No. 00-15) |
| <p>To add a Time and Date Pattern:</p> | |
| <p>STEP 1 <i>Assign the area code to be restricted and a Date Pattern No. to the Area Code Development Pattern No. assigned by CM35 YY = 76.</i></p> | <ul style="list-style-type: none"> • YYY = 400-404 (1) Area Code (Max. 8 digits) (2) 300-303 (Date Pattern No. 00-03) |
| <p>STEP 2 <i>Assign a date and Time Pattern No. 00-07 to the Date Pattern No. assigned by Step 1.</i></p> <p style="margin-left: 20px;"><i>Set the data for all dates, one by one, for which Toll Restriction is to be applied.</i></p> | <ul style="list-style-type: none"> • YYY =300-303 (Date Pattern No. 00-03) (1) 0-6 (Date) <li style="margin-left: 20px;">0: Sunday <li style="margin-left: 20px;">1: Monday <li style="margin-left: 20px;">2: Tuesday <li style="margin-left: 20px;">3: Wednesday <li style="margin-left: 20px;">4: Thursday <li style="margin-left: 20px;">5: Friday <li style="margin-left: 20px;">6: Saturday (2) 200-207 (Time Pattern No. 00-07) |

CODE RESTRICTION

D

END

| DESCRIPTION | DATA |
|---|---|
| <p><u>STEP 3</u> <i>Assign the starting time for the Toll Restriction and Route Pattern No. to the Time Pattern No. assigned by above Step 2. Set the Starting Time as shown below.</i></p> <p>Note: <i>Two times must be set. The first to start Toll Restriction and the second to stop it (or change it back).</i></p> | <ul style="list-style-type: none"> • YYY = 200-207 (Time Pattern No. 00-07) (1) XXXX (Time to Change) <u>XX XX</u> *a *b *a: Hours (00-23) *b: Minutes (00/30) (2) 000-063 (Route Pattern No. 00-63) If Tenant Pattern is required, set 100-115 (Tenant Pattern No. 00-15) |
| <p><u>STEP 4</u> <i>Assign the TR Pattern No. to the Route Pattern No. assigned by Step 3.</i></p> | <ul style="list-style-type: none"> • YYY = 000-063 (Route Pattern No. 00-63) (1) 1 (2) <u>XXX</u> 00 (TR Pattern No.) *a *a: TR Pattern No. 000-255 |
| <p><u>STEP 5</u> <i>Assign the Trunk Restriction Pattern No. assigned by CM81 to the TR Pattern No. assigned by Step 4.</i></p> | <ul style="list-style-type: none"> • YYY = 500-755 (TR Pattern No. 000-255) (1) 000 (2) 00-15 (Trunk Restriction Pattern No. 00-15) |

CONFERENCE

PROGRAMMING

| <u>START</u> | DESCRIPTION | DATA |
|--------------|---|---|
| CM08 | Provide the system with three-party conference. | <ul style="list-style-type: none"> (1) 101 (2) 1◀ : Three Party Conference among stations. <ul style="list-style-type: none"> (1) 102 (2) 0: As per 101 <ul style="list-style-type: none"> (1) 103 (2) 0: As per 104 <ul style="list-style-type: none"> (1) 104 (2) 1◀ : Three Party Conference among stations and Trunk Call. |
| CM45 | Provide the system with a four-party conference. Note: <i>This feature can only be activated from a Multiline Terminal.</i> | <ul style="list-style-type: none"> (1) 246 (2) 1◀ : Four Party Conference |
| | Provide the system with additional CFT, if required. | <ul style="list-style-type: none"> • Y = 6 (Make Busy) (1) 08-15 (Additional CFT Circuit No.) (2) 1: Make Busy Off • Y = 7 (Purpose of the CFT) (1) 08-15 (Additional CFT Circuit No.) (2) 1: For both ATTCON and stations |
| <u>END</u> | | |

CONSECUTIVE SPEED DIALING

PROGRAMMING

1. To provide an Extension Memory card (PN-ME00) for extending memory for Station Speed Dialing and One Touch keys:

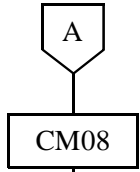
| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM05 | Assign a slot number to the Extension Memory card. The slot number is given by the SENSE switch on the Extension Memory card. INITIAL | (1) 04-15 (Slot Number) (2) 19 (PN-ME00 card) |
| CMD000 | Provide the system with the Extension Memory card. Note: <i>The SPN-AP00A card must be mounted and installed prior to executing CMD000.</i> | (1) 56 (2) 1: To be provided |
| <u>END</u> | | |

CONSECUTIVE SPEED DIALING

2. To provide Single Line Telephone or Multiline Terminal:

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether 1000-Slot Memory Block has 26 digits or 16 digits memory buffers.</p> <p>Note 1: <i>When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-4 contains 16-digits memory buffers.</i></p> | <p>(1) 252 (2) 0/1 ◀ : 26/16 digits</p> <p>Note 2: <i>Regardless of this data setting, a maximum of 26 digits number can be stored to Extension Memory card's memory area (1000-Slot Memory Block No. 8-F).</i></p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign Service Restriction Class A to each station.</p> | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Station No. (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15 ◀) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign this service to Service Restriction Class A assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 07 (1) 00-15: Service Restriction Class A (2) 1 ◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign access codes for Station Speed Dialing, Origination, Entry and Cancel, respectively.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*, 7*, 7#) (2) 064: Origination 065: Entry 066: Cancel |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether to provide Toll Restriction for an outgoing call by Station Speed Dialing.</p> <p>Specify whether to set “#” dialing as paused data (1.5 sec.) or called number to C.O. line when the DTMF station or Multiline Terminal dials “#” in the setting of the Station Speed Dialing feature.</p> | <p>(1) 035 (2) 0/1 ◀ : Not provided/Provided</p> <p>(1) 168 (2) 0/1 ◀ : Paused data (1.5 sec.)/ Called number to C.O. line.</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CONSECUTIVE SPEED DIALING



DESCRIPTION

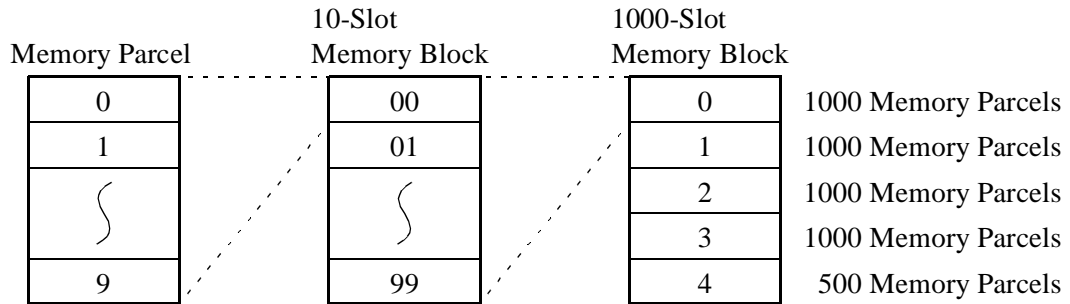
DATA

Specify “*” dialing is set as programmable pause by CM41-38 or dialed digit when the DTMF station or Multiline Terminal dials “*” in the setting of the Station Speed Dialing feature.

- (1) 171
- (2) 0/1 ◀:Programmable pause by CM41-38/Dialed digit

Allocate the memory area for Station Speed Dialing to each station. The memory block for storing one called number of Station Speed Dialing is called a “Memory Parcel”. An assembly of 10-Memory Parcels is called a “10 Slot Memory Block,” and one hundred 10-Slot Memory Blocks are called a “1000-Slot Memory Block”.

- (3) X-XXXX (Station No.)
- (4) X XX X XX
*a *b *c *d
- (5) *a: 000-Slot Memory Block No. 0-4, 8-F **Note 1**
*b: Memory Start Block No. 00-99: (10-Slot Memory Block) **Note 2**
*c: Facility for programming the dialed number from the Station (0/1: Effective/Ineffective)
*d: Number of blocks in Memory Parcel (01-10)



The number of Memory Parcels for a station is specified by the data shown below.

| Data | Number of Memory Parcels |
|--------|--------------------------|
| XXXX01 | 10 |
| ⋮ | ⋮ |
| XXXX10 | 100 |

Abbreviated Codes required for accessing this feature are automatically given to each station, depending on the number of Memory Parcels specified.



CONSECUTIVE SPEED DIALING

B

DESCRIPTION

DATA

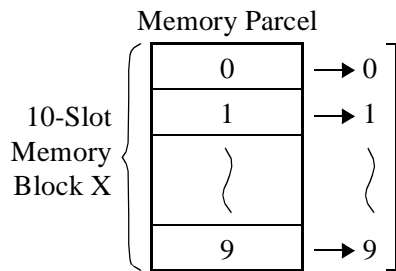
Note 1: *If the system provides the Extension Memory card, 1000-Slot Memory Block No. 8-F (8000 Memory Parcels) can be used. For using this memory area, there are several conditions as mentioned below:*

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

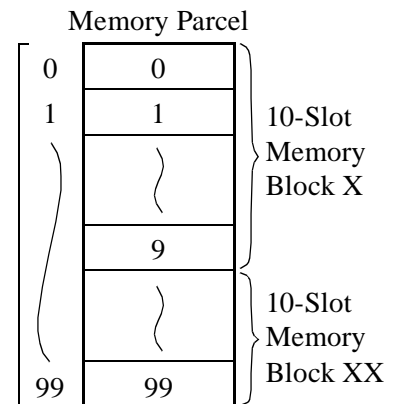
Note 2: *When the 1000-Slot Memory Block specifier is 4, Memory Start Block No. should be set to 00-49.*

Less than 100 Memory Parcels for a station:

In excess of 100 Memory Parcels for a station:



Abbreviated Codes



CM74

Assign the number to be dialed to each Memory Slot Number, if required. The numbers to be called are usually set from individual stations by their station users.

1. X XXX (Memory Slot No.)
 *a *b
 *a:1000-Slot Memory Block Number (0-4, 8-F)
 *b:000-999
2. Stored No. Setting Method:
 Outgoing Call Access Code (Max. 2 digits) + . + Stored Number (Max. 16/26 digits)
 To set a pause into the Stored No., enter "C" (Fixed Pause=1.5 sec.) or "D" (Programmable Pause specified by CM41-38) after desired digits.

C

CONSECUTIVE SPEED DIALING

| C | DESCRIPTION | DATA |
|------------|--|--|
| CM90 | Assign Station Speed Dialing keys on each Multiline Terminal, if required. | <ul style="list-style-type: none">• YY=00(1) Primary Extension No. + <input type="text"/> + Key No. (01-24)(2) F11<u>XX</u> *a*a: 00: Station Speed Dialing 00 } } 99: Station Speed Dialing 99 |
| <u>END</u> | | |

CONSECUTIVE SPEED DIALING

3. To provide Multiline Terminal with One Touch keys (ETJ-16DD-1/ETJ-24DS-1/DTP-32-1/DTP-32D-1):

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether 1000-Slot Memory Block has 26 digits or 16 digits memory buffers.</p> <p>Note 1: <i>When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned and 1000-Slot Memory Block No. 0-4 contains 16-digits memory buffers.</i></p> | <p>(1) 252 (2) 0/1◀ : 26/16 digits</p> <p>Note 2: <i>Regardless of this data setting, a maximum of 26 digits number can be stored to Extension Memory card's memory area (1000-Slot Memory Block No. 8-F).</i></p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign Service Restriction Class A to each station.</p> | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Primary Extension No. (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15◀) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign this service to Service Restriction Class A assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 07 (1) 00-15: Service Restriction Class A (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether to provide Toll Restriction for an outgoing call by Station Speed Dialing.</p> <p>Specify whether to set “#” dialing as paused data (1.5 sec.) or called number to C.O. line when the Multiline Terminal dials “#” in the setting of the Station Speed Dialing feature.</p> <p>Specify whether to set “*” dialing as programmable pause by CM41-38 or dialed digit when the DTMF station or Multiline Terminal dials “*” in the setting of the Station Speed Dialing feature.</p> | <p>(1) 035 (2) 0/1◀ : Not provided/Provided</p> <p>(1) 168 (2) 0/1◀ : Paused data (1.5 sec.)/ Called number to C.O. line</p> <p>(1) 171 (2) 0/1◀ : Programmable pause by CM41-38/Dialed digit</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

CONSECUTIVE SPEED DIALING

A

CM94

DESCRIPTION

DATA

Allocate the memory area for Station Speed Dialing to each station.

The memory block for storing one called number of Station Speed Dialing is called a "Memory Parcel".

An assembly of 10-Memory Parcels is called a "10 Slot Memory Block," and one hundred 10-Slot Memory Blocks are called a "1000-Slot Memory Block".

The ETJ-16DD-1/ETJ-24DS-1 requires two 10-Slot Memory Blocks (20 numbers).

(1) X-XXXX (Primary Extension No.)

(2) X XX 0 XX

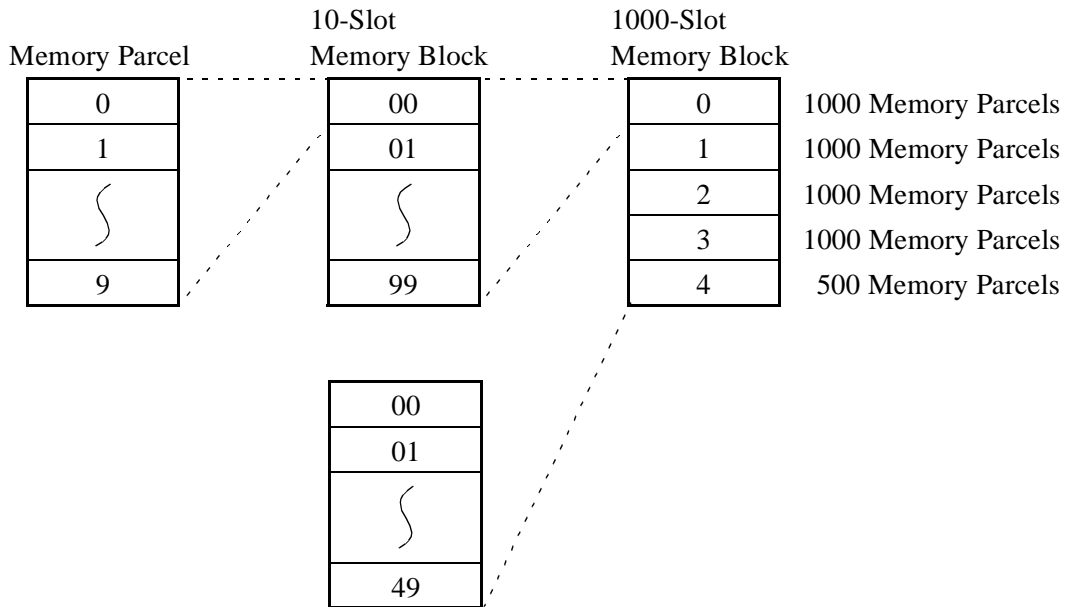
*a *b *c

*a: 1000-Slot Memory Block No. (0-4, 8-F)

*b: Start of 10-Slot Memory Block No. (00-49)

*c: Number of 10-Slot Memory Blocks 02: ETJ-16DD-1/ETJ-24DS-1 (20 numbers)

Note: *1000-Slot Memory Block No. 8-F can be used when the system provides the Extension Memory card. If assigning the station number to One Touch keys using this memory area, the lamp does not show the busy state.*



END

CONSECUTIVE SPEED DIALING

To provide System Speed Dialing:

| START | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | |
|----------|--|---|---|----|---|--|--|----------|---|----|----------|---|----|---|--|--|----------|---|----|
| CM12 | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) <u>XX</u> <u>XX</u> *a <p style="margin-left: 20px;">*a: Service Restriction Class (A) 00-15 ◀</p> | | | | | | | | | | | | | | | | | |
| CM15 | Assign this service to Service Restriction Class (A) assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 06 (System Speed Dialing) (1) XX (Service Rest. Class (A) assigned by CM12 YY = 02) (2) 1 ◀ Allowed | | | | | | | | | | | | | | | | | |
| CM20 | Assign the Access Code for System Speed Dialing. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (##) (2) 067 (System Speed Dialing) | | | | | | | | | | | | | | | | | |
| CM71 | Assign the memory area for the System Speed Dialing. 300 memory slots are available per system. The number of slots available for each Tenant is also 300. <p style="margin-top: 10px;">Note: <i>The memory areas for Hot Line-Outside and Route Advance from Tie Line to C.O. Line are included in 300 memory slots.</i></p> <p>Abbreviated Call Codes required for accessing this feature are automatically given to each Tenant as shown below.</p> <p>Example:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>20 MEMORY SLOTS</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>TENANT 00</p> <table style="border-collapse: collapse;"> <tr><td style="border: 1px solid black; padding: 2px;">SLOT 000</td><td style="padding: 2px;">→</td><td style="padding: 2px;">00</td></tr> <tr><td style="border: 1px solid black; padding: 2px; text-align: center;">⋮</td><td></td><td></td></tr> <tr><td style="border: 1px solid black; padding: 2px;">SLOT 019</td><td style="padding: 2px;">→</td><td style="padding: 2px;">19</td></tr> </table> </div> <p>ABBREVIATED CODES</p> </div> <div style="text-align: center;"> <p>15 MEMORY SLOTS</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>TENANT 01</p> <table style="border-collapse: collapse;"> <tr><td style="border: 1px solid black; padding: 2px;">SLOT 020</td><td style="padding: 2px;">→</td><td style="padding: 2px;">00</td></tr> <tr><td style="border: 1px solid black; padding: 2px; text-align: center;">⋮</td><td></td><td></td></tr> <tr><td style="border: 1px solid black; padding: 2px;">SLOT 034</td><td style="padding: 2px;">→</td><td style="padding: 2px;">14</td></tr> </table> </div> <p>ABBREVIATED CODES</p> </div> </div> | SLOT 000 | → | 00 | ⋮ | | | SLOT 019 | → | 19 | SLOT 020 | → | 00 | ⋮ | | | SLOT 034 | → | 14 |
| SLOT 000 | → | 00 | | | | | | | | | | | | | | | | | |
| ⋮ | | | | | | | | | | | | | | | | | | | |
| SLOT 019 | → | 19 | | | | | | | | | | | | | | | | | |
| SLOT 020 | → | 00 | | | | | | | | | | | | | | | | | |
| ⋮ | | | | | | | | | | | | | | | | | | | |
| SLOT 034 | → | 14 | | | | | | | | | | | | | | | | | |

CONSECUTIVE SPEED DIALING

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> | | |
| <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">CM72</div> | <p>Set a stored number to each Memory Slot Number allocated by CM71, as needed.</p> | <p>(1) Memory Slot No. (000-299) (2) Stored Number (Max. 26 digits) Stored Number: Outgoing Access Code (Max. 2 digits) + + Stored Number (Max. 26 digits) To set a pause into the Stored No., enter "C" (Fixed pause = 1.5 sec.) or "D" (Programmable pause specified by CM41-38) after desired digits.</p> |
| <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">CM08</div> | <p>Specify the System Speed Dialing security. (Stored number displays on Multiline Terminal for an outgoing call by System Speed Dialing.)</p> <p>Specify Toll Restriction for an outgoing call by System Speed Dialing.</p> | <p>(1) 043 (2) 0/1 ◀ Not to be displayed/To be displayed.</p> <p>(1) 044 (2) 0/1 ◀ Not to be provided/To be provided.</p> |
| <p><u>END</u></p> | | |

CONSULTATION HOLD

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | Select the ringing pattern on station calls with a trunk line placed in Consultation Hold. | (1) 137 (2) 0: Change from Internal Ringing (CM08-138) to External Ringing (CM35 YY = 33) when transferring a call 1 ◀ External Ringing (CM35 YY = 33) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign the Service Restriction Class (C) to each station. | <ul style="list-style-type: none"> • YY = 07 (1) X-XXXX (Station No.) (2) <u>XX</u> *a *a: Service Rest. Class (C) (00-15t) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | Assign the Switch Hook Flash capability to the Service Restriction Class (C) assigned by CM12 YY = 07. | <ul style="list-style-type: none"> • YY = 88, 89 (Switch Hook Flash on Internal Call) • YY = 90, 91 (Switch Hook Flash on External Call) (1) XX [Service Restriction Class (C) 00-15] (2) 1 ◀ Effective (Special Dial Tone Connection) |
| <u>END</u> | | |

CUSTOMER ADMINISTRATION TERMINAL (CAT)

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|--|--|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">CM12</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px; text-align: center;">CM15</div> | Assign the class of service for CAT to the required Multiline Terminals. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX (Primary Extension No.) (2) XX <u>XX</u> *a <li style="margin-left: 20px;">*a: Service Restriction Class (B) (00-15 ◀) • CM15 YY = 56 (1) XX: [Service Restriction Class (B) (00-15)] assigned by CM12 YY = 02. (2) 1 ◀ Allowed |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">CME7</div> | Specify the command codes accessible to each Password Level. | <ul style="list-style-type: none"> • YY = 00: Password Level 0-6 • YY = 01: Password Level 1-6 • YY = 02: Password Level 2-6 • YY = 03: Password Level 3-6 • YY = 04: Password Level 4-6 • YY = 05: Password Level 5-6 • YY = 06: Password Level 6 • YY = 10: Password Level 0 • YY = 11: Password Level 1 • YY = 12: Password Level 2 • YY = 13: Password Level 3 • YY = 14: Password Level 4 • YY = 15: Password Level 5 • YY = 16: Password Level 6 (1) <u>XX</u> *a <li style="margin-left: 20px;">*a: 00-FF (Command Codes exclusive of 03, E7, E9) (2) 0/1 ◀ Allowed/Restricted |
| <div style="border: 1px solid black; padding: 5px; width: 30px; margin: 0 auto;">A</div> | | |

CUSTOMER ADMINISTRATION TERMINAL (CAT)

| | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CME9</div> | <p>Enable the system to change the password.</p> <p>Assign a password to each Password Level.</p> <p>Provide the system with Password service. After setting this data, access to system programming will be available with password entry only.</p> | <p>(1) 8 (2) 0◀ : Allowed</p> <p>(1) 0-7 (Password Level 0-7) (2) X-X...X (Max. 8 digits Password Code) A password code for Password Level 7 must be assigned prior to providing the password service by Function No. 9 of CME9. The following passwords are not available. “CCCCCCCC” “FFFFFFFF”</p> <p>(1) 9 (2) 0: Provided</p> |
| <div style="border: 1px solid black; width: 40px; height: 15px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">END</div> | | |

Note 1: *If the system data all clear or system data partial clear is required before programming from a CAT, perform the following operations:*

1. Plug the PN-2DLCB/4DLCA card into LT00 Slot of PIM0
2. Connect the CAT to LEN0000 at the MDF
3. Set SW3 on the MP card to “B”
4. Press SW1 (RESET Switch) on the MP card (System Data All Clear/Partial Clear)
5. Set SW3 to “0” and press SW1.
6. Set the Multiline Terminal to CAT mode (Station Number 300 is automatically assigned to the Multiline Terminal).

Note 2: *If Password Service is activated, enter the predetermined password by CM03 before programming from a CAT.*

ST + 03 + DE + Password Level No. (0-7)+ DE +Password+ EXE

- “OK” will be displayed, if accepted.
- “DATA ERROR” will be displayed if the password is incorrect.

DATA LINE SECURITY

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM13 | Assign the function of Analog Data Station (Single-Line Station with FAX or MODEM) to the required stations. | <ul style="list-style-type: none">• YY = 07(1) X-XXXX (Station No.)(2) 0: Data Station |
| <u>END</u> | | |

DELAYED RINGING

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM90 | Assign the Delayed Ringing feature to each line key on a Multiline Terminal. Note: <i>The Delayed Ringing feature can be assigned to the first 16 line/trunk keys (Key 01-16).</i> | <ul style="list-style-type: none">• YY = 03(1) Primary Extension No. + <input type="text"/> + Key No. Note <ul style="list-style-type: none">(2) 0: Delayed Ringing |
| CM41 | Specify the timing for Delayed Ringing. | <ul style="list-style-type: none">• Y = 1(1) 09(2) 01-20: 2-40 sec. in 2 sec. increments If no data is set, the default setting is 10 seconds. |
| <u>END</u> | | |

DIAGNOSTICS

PROGRAMMING

Refer to the Maintenance Manual.

DIAL CONVERSION

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign the Card Number of the DTMF Receiver to the required LENS.</p> <p style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px 10px;">INITIAL</p> <p>Note: <i>When using the internal DTMF Receiver on the PN-CP03 card, assign the Card No. E200 to LEN No. 0124.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) Card No. of DTMF Receiver <ul style="list-style-type: none"> E200-E203: For PIM0/1 E204-E207: For PIM2/3 E208-E211: For PIM4/5 E212-E215: For PIM6/7 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign the type of telephone set (DTMF) to DTMF Stations. This data assignment is not required for Multiline Terminal stations.</p> | <ul style="list-style-type: none"> • YY = 00 (1) X-XXXX (Station No.) (2) 3 ◀ : DTMF Telephone set |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM45</div> | <p>Assign DTMF Receivers for use with DTMF Stations.</p> | <ul style="list-style-type: none"> • Y = 0 (Make Busy) (1) <u>XX X</u> <ul style="list-style-type: none"> └─ Card No. 00-15 assigned by CM10 (E200-E215) └─ Circuit No. 0-3 (1) 1 ◀ : Make Busy Cancel • Y = 1 (PBR for incoming call from Tie Line/DID) (1) XXX (Ditto to Y = 0) (2) 1 ◀ : For both DTMF station and Tie Line/DID |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

DIAL CONVERSION

| A | DESCRIPTION | DATA |
|------|--|--|
| CM35 | <p>For a DP trunk, assign the type of signaling for Outgoing and Bothway trunk routes to DP.</p> <p>Specify the DP Sender characteristics to match the Central Office.</p> | <ul style="list-style-type: none">• YY = 01<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 2 • YY = 23 (DP Sender Inter Digital Pause)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0: 300 ms 1: 400 ms 2: 500 ms 3: 600 ms 4: 700 ms 5: 900 ms 6: 1100 ms 7◀ : 800 ms • YY = 25 (DP Sender Make Ratio)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0/1◀ : 33%/39% • YY = 45 (DP Sender Release Timing)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0: 2 sec. 1: 4 sec. 2: 6 sec. 3: 8 sec. 4: 12 sec. 5: 14 sec. 6: 16 sec. 7◀ : 10 sec. |
| B | <p>For a DTMF trunk, assign the type of signaling for Outgoing and Bothway Trunk Routes to DTMF.</p> | <ul style="list-style-type: none">• YY = 01<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 7◀ |

DIAL CONVERSION

| | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">B</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 400px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">CM08</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px; margin: 0 auto;"></div> <div style="text-align: center;"><u>END</u></div> | <p>Specify the DTMF Sender characteristics to match the Central Office.</p> | <ul style="list-style-type: none"> • YY = 24 (DTMF Inter Digital Pause) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0: 32 ms 1: 64 ms 2: 80 ms 3: 96 ms 4: 160 ms 5: 192 ms 6: 240 ms 7◀ : 128 ms • YY = 26 (DTMF Sender Signal Width) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0/1◀ : 64 ms/128 ms • YY = 46 (DTMF Sender Release Timing) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0: 2 sec. 1: 4 sec. 2: 6 sec. 3: 8 sec. 4: 12 sec. 5: 14 sec. 6: 16 sec. 7◀ : 10 sec. |
| | <p>Assign whether “*” or “#” from a DTMF Telephone is used as a Switch Hook Flash while hearing Busy Tone.</p> | <ul style="list-style-type: none"> [(1) 050 (* is used as Switch Hook Flash) [(2) 0: Effective [(1) 051 (# is used as Switch Hook Flash) [(2) 0: Effective |

HARDWARE REQUIRED

DTMF Receiver (PN-8RST) × n

n: Depends on the number of DTMF stations and the traffic condition of the system.

DIRECT DIGITAL INTERFACE

PROGRAMMING

Refer to the DDI System Manual.

HARDWARE REQUIRED

Refer to the DDI System Manual.

DIRECT INWARD DIALING (DID)

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Assign the ring rate on a DID call. | (1) 180 (2) 0/1 ◀ : 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF/As per the data of CM35 YY = 33 |
| CM10 | Assign the Trunk Numbers to the required LENS. | (1) LEN (0000-0511) (2) Trunk No. (D000-D255) |
| CM30 | Assign the data for DID to the Trunk Numbers assigned by CM10. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Trunk Route No. (00-63) (03) • YY = 01 (Tenant Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Tenant No. (00-63) (00) • YY = 02 (Terminating System in Day Mode) • YY = 03 (Terminating System in Night Mode) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) 31 ◀ |
| A | | |

DIRECT INWARD DIALING (DID)

| | DESCRIPTION | DATA | | | | | | | | |
|--|--|--|----|--|----|---------------------|---|------------|----|------------|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 10px auto; text-align: center; line-height: 30px;">CM35</div> | <p>Assign the data for DID to the Trunk Routes assigned by CM30.</p> | <ul style="list-style-type: none"> • YY = 00 (Kind of Trunk) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63)(03) (2) 00: DID • YY = 02 (OG/IC) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63)(03) (2) 1: Incoming • YY = 05 (Release Signal Condition) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0: No Release Signal • YY = 12 (Number of digits to be received) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) Number of digits <table style="margin-left: 20px; border: none;"> <tr><td style="padding-right: 10px;">0</td><td>: 1 digit</td></tr> <tr><td>1</td><td>: 2 digits</td></tr> <tr><td>2</td><td>: 3 digits</td></tr> <tr><td>3◀</td><td>: 4 digits</td></tr> </table> • YY = 18 (Received Digit Conversion) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0/1◀ : To be provided/Not to be provided. | 0 | : 1 digit | 1 | : 2 digits | 2 | : 3 digits | 3◀ | : 4 digits |
| 0 | : 1 digit | | | | | | | | | |
| 1 | : 2 digits | | | | | | | | | |
| 2 | : 3 digits | | | | | | | | | |
| 3◀ | : 4 digits | | | | | | | | | |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 10px auto; text-align: center; line-height: 30px;">CM45</div> <div style="border: 1px solid black; width: 30px; height: 30px; margin: 10px auto; text-align: center; line-height: 30px;">B</div> | <p>Provide dedicated DTMF Receivers for DID Calls, if required.</p> | <ul style="list-style-type: none"> • Y = 1 <ol style="list-style-type: none"> (1) <u>XX X</u>: DTMF Receiver No. *a*b <table style="margin-left: 20px; border: none;"> <tr><td style="padding-right: 10px;">*a</td><td>: Card No. (00-15) assigned by CM10. (E200-E215)</td></tr> <tr><td>*b</td><td>: Circuit No. (0-3)</td></tr> </table> (2) 0/1◀ : Only for DID/For both DTMF station and Tie Line/DID | *a | : Card No. (00-15) assigned by CM10. (E200-E215) | *b | : Circuit No. (0-3) | | | | |
| *a | : Card No. (00-15) assigned by CM10. (E200-E215) | | | | | | | | | |
| *b | : Circuit No. (0-3) | | | | | | | | | |

DIRECT INWARD DIALING (DID)

| | DESCRIPTION | DATA |
|------|---|---|
| B | | |
| CM49 | Assign the function of each Digital Announcement Trunk, if needed. | <ul style="list-style-type: none"> • YY = 00 (1) 000-127: Digital Announcement Trunk Circuit No. (2) 0DD0: Announcement Service when the called station does not answer the DID/Tie Line call 0800: Announcement Service when the DID/Tie Line call terminates to the Busy station. |
| CM51 | <p>Automatic Transfer Destinations:</p> <p>For the DID line, the destination to which an incoming call transfers when the station does not answer the call within a predetermined time.</p> | <ul style="list-style-type: none"> • YY = 00 (1) XX : Group No. (2) EB000-EB127 : Digital Announcement Trunk Circuit No. |
| C | | |

DIRECT INWARD DIALING (DID)

| C | DESCRIPTION | DATA |
|------------|--|--|
| CM76 | When the data for CM35 YY = 18 is set to "0" (Received Digits Conversion is to be provided), assign the data for interpreting the digits received. | <ul style="list-style-type: none">• Y = 0 (Day Mode)• Y = 1 (Night Mode) <ol style="list-style-type: none">(1) X-XXXX: Station Number received.(2) X-XXXX: Station Number to be terminated. <p>DXX: Change Terminating System to:</p> <p>D01: D13: TAS D04: DIT D14: SN610 ATTCON D16: DISA D09: AUTO ATT.</p> |
| <u>END</u> | | |

HARDWARE REQUIRED

PN-AUCA card × n

DIRECT INWARD DIALING (CALL WAITING)

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM08 | Specify the Camp-On tone sent to a busy station by Camp-On Call Waiting Method. | (1) 367 (2) 0: Every 4 sec. ◀ Only once |
| CM12 | Assign the Class of Service for the Call Waiting feature to the required stations. | <ul style="list-style-type: none"> • CM12, YY=02[Service Restriction Class (A) (00-15◀)] • CM15, YY=44 (Call Waiting Method Answer from called side) |
| CM15 | | |
| CM35 | Assign the data for DID Call Waiting to the Trunk Routes assigned by CM30 | <ul style="list-style-type: none"> • YY = 59 (Call Waiting for DID call) (1) Trunk No. (00-63) (2) 0: To be provided |
| CM42 | Specify the number of times for Call Waiting Tone. | (1) 18 (2) 01-99 (Number of Times) If no data is set, the default setting is for no limitation. |
| CM76 | Specify Call Waiting for DID call per incoming LDN number, if desired | <ul style="list-style-type: none"> • Y=5 (1) X-XXXX: Station Number received 0 : Restricted 1◀ : Allowed |
| <u>END</u> | | |

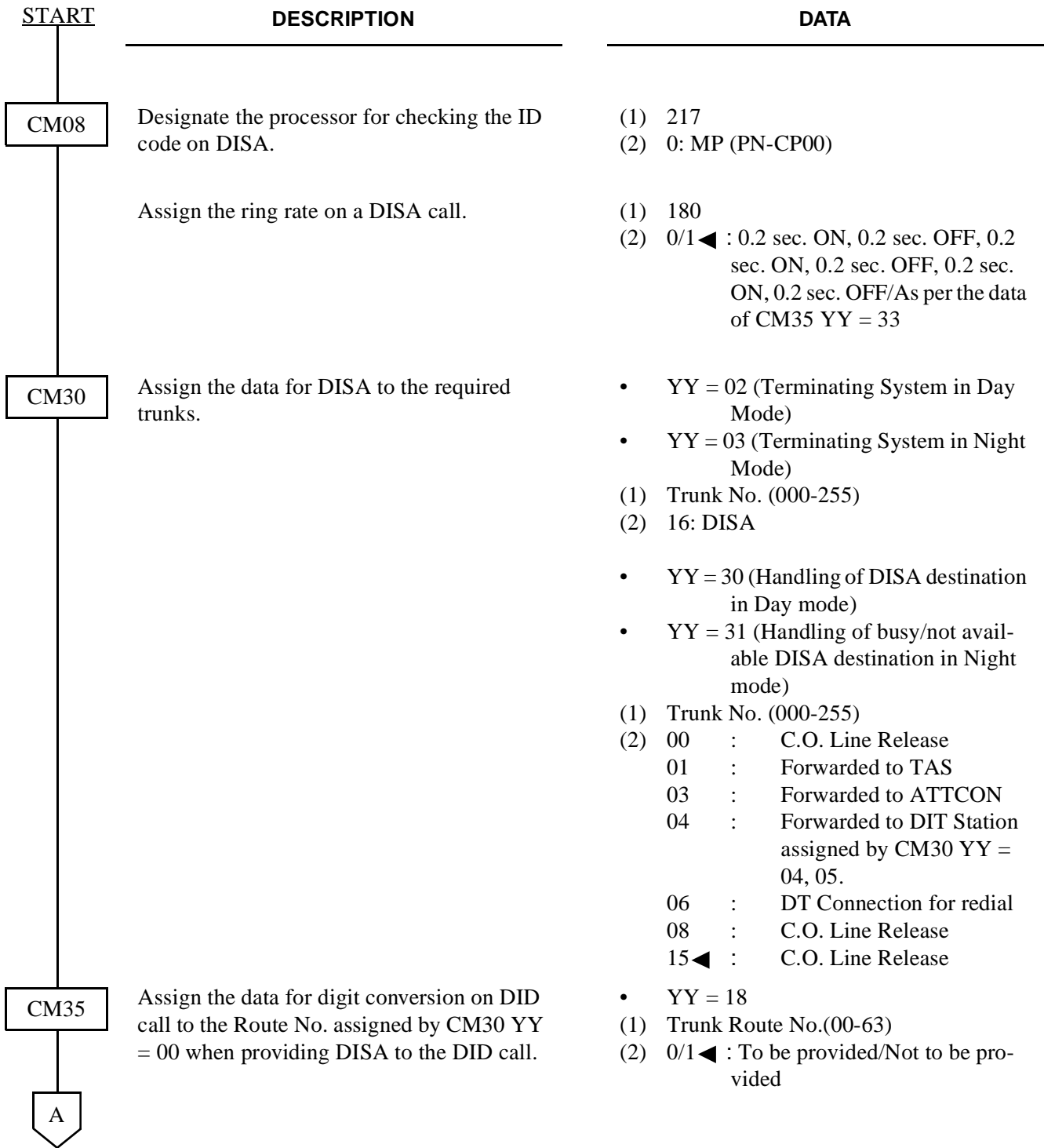
DIRECT INWARD DIALING (CALL WAITING)

| | DESCRIPTION | DATA |
|-------|---|--|
| START | | |
| CM35 | Assign DID incoming LDN display on Multiline Terminal. Note: When 2nd Data is set to "1", the Trunk ID number assigned by CM30, YY=19 is displayed. | <ul style="list-style-type: none">• YY=75 (DID incoming LDN display on Multiline Terminal) <p>(1) Trunk Route No. (00-63)</p> <p>(2) 0 : Available 1 ◀ : Not Available - Note</p> |
| END | | |

DIRECT INWARD SYSTEM ACCESS (DISA)

PROGRAMMING

To provide the DISA without Application Processor (PN-AP01):



DIRECT INWARD SYSTEM ACCESS (DISA)

| | DESCRIPTION | DATA |
|------------|---|--|
| A | | |
| CM76 | When the data for CM35 YY = 18 is set to 0, assign the data for converting the received digit(s) to DISA. | <ul style="list-style-type: none"> • Y = 0 (Day Mode) • Y = 1 (Night Mode) (1) X-XXXX: Station No. received (2) D16: DISA |
| CM2A | Assign the ID code for DISA. The maximum number of digits for an ID code is specified by CM42-13. | <ul style="list-style-type: none"> • Y = 5 (1) XX : 00-07 (ID code serial number) (2) X-X...X : ID code (Max. 16 digits) |
| | Assign the required Trunk Restriction Class to each ID code. | <ul style="list-style-type: none"> • Y = 6 (1) XX : 00-07 (ID code serial number) (2) 1◀ : Unrestricted (RCA) <li style="padding-left: 20px;">2 : Non-Restricted-1 (RCB) <li style="padding-left: 20px;">3 : Non-Restricted-2 (RCC) <li style="padding-left: 20px;">4 : Semi-Restricted-1 (RCD) <li style="padding-left: 20px;">5 : Semi-Restricted-2 (RCE) <li style="padding-left: 20px;">6 : Restricted-1 (RCF) <li style="padding-left: 20px;">7 : Restricted-2 (RCG) <li style="padding-left: 20px;">8 : Fully-Restricted (RCH) |
| | Assign the required Service Class A/B to each ID code. The features available in each class are assigned by CM15. | <ul style="list-style-type: none"> • Y = 7 (1) XX: 00-07 (ID code serial number) (2) <u>XX</u> <u>XX</u> *a *b <li style="padding-left: 20px;">*a: Service Feature Class (A) (00-15◀) <li style="padding-left: 20px;">*b: Service Feature Class (B) (00-15◀) |
| CM42 | Assign the required Service Class C to each ID code. The features available in each class are assigned by CM15. | <ul style="list-style-type: none"> • Y = 8 (1) XX: 00-07 (ID code serial number) (2) XX: 00-15◀ (Service Restriction Class (C)) |
| | Specify the maximum number of digits for ID Codes on DISA. | <ul style="list-style-type: none"> (1) 13 (2) 01-16 (Number of digits) <p>If no data is set, 10 digits of ID Code is available.</p> |
| <u>END</u> | | |

Note: Up to 8 DISA ID Codes can be set per system.

DIRECT INWARD SYSTEM ACCESS (DISA)

To provide the DISA with an AP (PN-AP01):

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM05 | Assign the slot number to the PN-AP01 card. The SENSE Switch on the PN-AP01 card should be set to the slot number assigned by this command. <div style="text-align: right; margin-top: 10px;"> INITIAL </div> | (1) Slot No. (04-15) (2) 07 |
| CM08 | Designate the processor for checking the DISA ID Codes. Assign the ring rate on a DISA call. | (1) 217 (2) 1 ◀ : AP (PN-AP01) (1) 180 (2) 0/1 ◀ : 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF/As per the data of CM35 YY = 33 |
| CMD5 | For the programming procedure of this command, refer to AUTHORIZATION CODE with an AP. | |
| CM30 | Assign the data for DISA to the required trunks. | <ul style="list-style-type: none"> • YY = 02 (Terminating System in Day Mode) • YY = 03 (Terminating System in Night Mode) (1) Trunk No. (000-255) (2) 16: DISA <ul style="list-style-type: none"> • YY = 30 (Handling of busy/not available DISA destination in Day mode) • YY = 31 (Handling of busy/not available DISA destination in Night mode) (1) Trunk No. (000-255) (2) 00: C.O. Line Release 01: Forwarded to TAS 03: Forwarded to ATTCON 04: Forwarded to DIT Station assigned by CM30 YY = 0. 06: DT Connection for redial 08: C.O. Line Release |
| A | | |

DIRECT INWARD SYSTEM ACCESS (DISA)

| DESCRIPTION | DATA |
|---|--|
| <div style="text-align: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM35</div> </div> <p>Assign the data for digit conversion on DID calls to the Route No. assigned by CM30 YY = 00 when providing DISA for DID calls.</p> | <ul style="list-style-type: none"> • YY = 18 (1) Trunk Route No. (00-63) (2) 0/1 ◀ : To be provided/Not to be provided |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM76</div> <p>When the data for CM35 YY = 18 is set to 0, assign the data for converting the received digit(s) to DISA.</p> | <ul style="list-style-type: none"> • Y = 0 (Day Mode) • Y = 1 (Night Mode) (1) X-XXXX: Station No. received (2) D16: DISA |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM42</div> <p>Specify the maximum number of digits for ID Codes on DISA.</p> <p>Note: <i>The same number of digits must be assigned by CM42-11 and CM42-13.</i></p> | <ul style="list-style-type: none"> (1) 11, 13 (2) 01-10 (Maximum Number of Digits). If Check Code is provided, the maximum number of digits is limited to eight (8). If no data is set, 10 digits will be applied. |
| <div style="border: 1px solid black; width: 40px; height: 20px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">END</div> | |

DIRECT INWARD SYSTEM ACCESS (DISA)

To access the Digital Announcement Trunk (PN-2DATA) via DISA, add the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign a Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <ol style="list-style-type: none"> (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. <div style="margin-left: 20px;"> [<ul style="list-style-type: none"> For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127] </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM2A</div> | <p>Assign the Class of Service for Digital Announcement Trunk access to the required ID Code Serial No., when providing DISA without an Application Processor (PN-AP01).</p> | <ul style="list-style-type: none"> • CM2A Y = 7 (1) XX: ID Code Serial No. (00-07) assigned by CM2A Y = 5 (2) $\frac{XX}{*a} \frac{XX}{*b}$ <li style="margin-left: 20px;">*a: Service Rest. Class (A) (00-15 ◀) <li style="margin-left: 20px;">*b: Service Rest. Class (B) (00-15 ◀) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CMD5</div> | <p>Assign the Class of Service for Digital Announcement Trunk access to the required ID Code Serial No., when providing DISA with an Application Processor (PN-AP01).</p> | <ul style="list-style-type: none"> • CM15 YY = 33 (1) Service Rest. Class (A) (00-15) assigned by CM2A Y = 7 (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>To record and replay a message from an outside user, assign the Digital Announcement Trunk access code, respectively.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX : Access Code (2) A00 : Record <li style="margin-left: 20px;">A01 : Replay |
| <u>END</u> | | |

DIRECT INWARD SYSTEM ACCESS (DISA)

Note 1: *Up to 1,000 Direct Inward System Access (DISA) codes combined with Authorization Codes and Forced Account Codes can be defined.*

Note 2: *When deleting all ID codes stored in the PN-AP01 card at one time, do the following operation:*

+ D60 + + 0000 + + CCC +

HARDWARE REQUIRED

PN-AP01 card × 1 (If 1,000 codes and/or Check Code is provided.)

PN-2DATA card × n (n = 1-128) (If a Digital Announcement Trunk is required for the DISA.)

DIRECT INWARD TERMINATION (DIT)

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign the data for terminating system in Day Mode and Night Mode, to each Loop/Ground Start trunk, respectively.</p> <p>Assign the station number to be terminated by DIT in Day Mode and Night Mode respectively.</p> <p>Assign the destination to be rerouted when the DIT Station is busy/not available in Day Mode and Night Mode respectively.</p> <p>Assign the transfer destination for an unanswered DIT call in the Day Mode and Night Mode, respectively.</p> | <ul style="list-style-type: none"> • YY = 02 (Day Mode)/YY = 03 (Night Mode) <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) 04: Direct-In Termination • YY = 04 (Day Mode)/YY = 05 (Night Mode) <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) X-XXXX: Station No. • YY = 13 (Day Mode)/YY = 14 (Night Mode) <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) 01: TAS BUZZER 04: SN610 ATTCON 06: Automatic Camp-On 15◀ : Waiting until the DIT Station becomes idle. • YY = 15 (Day)/YY = 16 (Night) <ol style="list-style-type: none"> (1) Trunk No. (000-255) (2) 01: SN610 ATTCON 03: TAS 15: To be continued DIT |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM41</div> | Specify the timing for an unanswered call to a DIT destination. | <ul style="list-style-type: none"> • Y = 0 <ol style="list-style-type: none"> (1) 01 (2) 01-30: 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | Set the ring rate on a DIT call. | <ol style="list-style-type: none"> (1) 179 (2) 0/1◀ : As per the data assigned by CM35 YY = 33/0.4 sec. ON, 0.2 sec. OFF, 0.4 sec. ON, 2 sec. OFF. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | |

DIRECT OUTWARD DIALING (DOD)

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | Assign the Trunk Numbers to the required LENSs. | (1) LEN (0000-0511) (2) Trunk No. (D000-D255) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | Assign the data for Direct Outward Dialing to the Trunk No. assigned by CM10. Note: <i>For Resident System Program, refer to the Command Manual.</i> | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Route No. (00-63) Note • YY = 01 (Tenant Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Tenant No. (00-63) (01) • YY = 08 (Restriction on Night Mode) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) 0/1 ◀ : Restricted/Allowed |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

DIRECT OUTWARD DIALING (DOD)

| | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">A</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center; line-height: 20px;">CM35</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">B</div> | <p>Assign the data for Direct Outward Dialing to the Route No. assigned by CM30 YY = 00.</p> <p>Note: <i>For Resident System Program, refer to the Command Manual.</i></p> | <ul style="list-style-type: none"> • YY = 00 (Kind of Route) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 00: DDD <ul style="list-style-type: none"> 01: FX 02: WATS 03: CCSA • YY = 01 (Type of Signal) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 2: DP <ul style="list-style-type: none"> 4: DTMF • YY = 02 (OG/IC) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 2 : Outgoing <ul style="list-style-type: none"> 3◀ : Bothway • YY = 04 (Answer Signal Condition) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 1 : Answer Signal by Polarity Reversal <ul style="list-style-type: none"> 7◀ : No Answer Signal <p style="margin-left: 20px;">In case of no Answer Signal, system recognizes the answer in timing set by CM41-03.</p> • YY = 05 (Release Signal Condition) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : No Release Signal from C.O. <ul style="list-style-type: none"> 1◀ : Release Signal from C.O. • YY = 08 (Dial Pulse Sending) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3◀ : To be sent • YY = 09 (Incoming Connection Signaling) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 01 : Ring Down (Ground Start) <ul style="list-style-type: none"> 15◀ : Ring Down (Loop Start) |

DIRECT OUTWARD DIALING (DOD)

| B | DESCRIPTION | DATA |
|------------|---|--|
| CM35 | <p>According to the characteristics of each C.O. line, assign the data for DP/DTMF Sender to each route.</p> <p>For the details of the command, refer to the Command Manual.</p> <p>Note: <i>For Resident System Program, refer to the Command Manual.</i></p> | <ul style="list-style-type: none"> • YY = 20 (Sender Start Condition) • YY = 21 (Sender Prepause Timing) • YY = 23 (DP-Inter Digital Pause) • YY = 24 (DTMF-Inter Digital Pause) • YY = 25 (DP-Make Ratio) • YY = 26 (DTMF Signal Width) • YY = 45 (DP Sender Release Timing) • YY = 46 (DTMF Sender Release Timing) |
| CM41 | <p>Specify the timing for Interdigital Pause on outgoing C.O. call.</p> | <ul style="list-style-type: none"> • Y = 0 <ol style="list-style-type: none"> (1) 27 (2) 01-14: 1-14 sec. in 1 sec. increments <p>If no data is set, the default setting is 7 seconds.</p> |
| CM20 | <p>Assign the access code to each route.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ol style="list-style-type: none"> (1) X-XXX: Access Code (2) 100-163: Route No. (00-63) |
| CM90 | <p>Assign the trunk appearance line key on a Multiline Terminal, if provided.</p> | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) Primary Extension No. + + Key No. (2) DXXX (Trunk No. 000-255) |
| <u>END</u> | | |

Note: *For the Trunk Restriction Class, refer to Class of Service Individual.*

DIRECT STATION SELECTION/BUSY LAMP FIELD (DSS/BLF) CONSOLE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM10 | Assign the DSS Console Number to its associated LEN. | (1) 0000-0511 (LEN) (2) DSS Console No. E100-E107: For PIM0/1 E108-E115: For PIM2/3 E116-E123: For PIM4/5 E124-E131: For PIM6/7 |
| CM96 | Assign a single-line station, Multiline Terminal, or SN610 ATTCON to work in conjunction with the DSS Console. | (1) 00-31 (DSS Console Number: Last two digits of E100-E131 assigned by CM10) (2) X-XXXX (Station Number/Primary Extension No. of Multiline Terminal) E000-E007 (SN610 ATTCON No.) |
| CM97 | Assign the station and trunk numbers, as needed, to the keys on each DSS Console. | (1) 00-31 (DSS Console Number) + + DSS Key Number (00-59) (2) X-XXXX (Station Number) D <u>XXX</u> *a *a: 000-255 (Trunk Number) |
| | Assign a Do Not Disturb and Message waiting function key, if needed, on each DSS Console. | (1) 00-31 (DSS Console Number) + + Function key No. (57-59) (2) F1049: Message Waiting Set/Reset F1053: Do Not Disturb Set/Reset |
| | When providing Do Not Disturb or Message Waiting function key, assign a changing Function key on each DSS Console. | (1) 00-31 (DSS Console Number) + + Function key No. (56) (2) F1052: Changing Function |
| CM08 | Specify the type of busy indication on the BLF of the DSS Console as Station Base or Extension Base. | (1) 269 (2) 0/1 ◀ : Station Base/Extension Base |
| END | | |

HARDWARE REQUIRED

DSS Console

PN-2DLCB/4DLCA card (Two or four DSS Consoles can be accommodated per card)

DISTINCTIVE RINGING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| START | | |
| CM08 | Select the ringing pattern on an internal and Direct-In Termination Call, Direct Inward Dialing, DISA, and Automated Attendant. | (1) 138 (For Internal) (2) 0/1◀ : 2 sec. ON, 4 sec. OFF/1 sec. ON, 2 sec. OFF. (1) 179 (For DIT Call) (2) 0/1◀ : As per CM35 YY = 33/0.4 sec. ON, 0.2 sec. OFF, 0.4 sec. ON, 2 sec. OFF. (1) 180 (For DID, DISA and Automated Attendant) (2) 0/1◀ : 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF/As per the data CM35 YY = 33 |
| CM35 | Select the ringing pattern on an external call. Note: For incoming calls to a Direct Trunk Appearance key on Multiline Terminals, the special ringing, 0.2 sec. ON, 0.2 sec. OFF, 0.2 sec. ON, 0.2 sec. OFF, will be applied. | <ul style="list-style-type: none"> • YY = 33 (1) Trunk Route No. (00-63) (2) 0 : 0.4 sec. ON, 0.2 sec. OFF Note 0.4 sec. ON, 2.0 sec. OFF Note 1 : 0.4 sec. ON, 0.2 sec. OFF 0.4 sec. ON, 2.0 sec. OFF 2 : 1 sec. ON, 2 sec. OFF 3◀ : 2 sec. ON, 4 sec. OFF |
| CM08 | Select the ringing pattern on station calls with a trunk line placed in Consultation Hold. | (1) 137 (2) 0: Change from Internal Ringing (CM08-138) to External Ringing (CM35 YY = 33) when transferring a call 1◀ : External Ringing (CM35 YY = 33) |
| END | | |

DISTINCTIVE RINGING

To provide a distinctive lamp indication for Multiline Terminals during a call termination, do the following programming:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content;">CM35</div> | <p>Specify the lamp color for an incoming external call.</p> <p>Note: <i>The lamp color for incoming internal calls is red (120 IPM flashing). For indicating the termination of a transferred external incoming call, the flashing lamp color depends on CM08-137.</i></p> | <ul style="list-style-type: none">• YY = 32(1) Trunk route number (00-63)(2) 0/1 ◀ : Green/Red |
| <u>END</u> | | |

DO NOT DISTURB

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|--|
| <p style="text-align: center;">START</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM12</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM15</div> | <p>Assign the Class of Service for Do Not Disturb to the required stations.</p> | <ul style="list-style-type: none"> • CM12 YY=02: Service Rest. Class (A) (00-15t) • CM15 YY=19 (1) Service Rest. Class (A) (00-15) assigned by CM12 YY=02 (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">CM13</div> | <p>Assign the group of stations in Do Not Disturb. Do Not Disturb is set to these stations (assigned by this command) simultaneously by operation from an Attendant Console.</p> | <ul style="list-style-type: none"> • YY=00 (1) X-XXXX (Station No.) (2) 0: To be provided |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">CM20</div> | <p>Assign the access code for Do Not Disturb Set/Cancel.</p> | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*8, #8) (2) 022: Set 023: Cancel |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">CM51</div> | <p>Assign the destination to which a call is transferred when the called station is set to Do Not Disturb.</p> | <ul style="list-style-type: none"> • YY=10 (1) 00-63 (Tenant No.) (2) X-XXXX (Station No.) E000 (SN610 ATTCON) |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">CM90</div> | <p>Assign a DND function key to a Multiline Terminal, if needed.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + [] + Key No. (2) F0022: Do Not Disturb Set/Reset |
| <div style="border: 1px solid black; padding: 2px; text-align: center;">A</div> | <p>Assign DND and DNDOVR function keys to the SN610 ATTCON.</p> | <ul style="list-style-type: none"> • YY=00 (1) ATTCON No. + [] + Key No. (2) F6102: DND F6103: DND Override F6104: RESET |
| | <p>Note: <i>By Resident System Program, a DN-DOVR key is assigned as a soft key, on the SN610 ATTCON.</i></p> | |

DO NOT DISTURB

| A | DESCRIPTION | DATA |
|------|--|--|
| CM08 | Specify the Call Forwarding-Busy Line/ Station Hunting for a station set for Do Not Disturb. | 240 0: Available 1 ◀ : Not Available |
| | For a system using multiple tenants, specify for which tenant (the calling or called station) the assignment refers to CM51 YY=10. CM51 YY=10 determines the destination to which a call is transferred when the called station is in Do Not Disturb. | 241 0: Tenant of called station 1 ◀ : Tenant of calling station |
| CM48 | Select the Dial Tone on Setting Do Not Disturb. (1300 Series Enhancement) | Y=2 14 (Dial Tone on Setting Do Not Disturb) 0: Special Dial Tone (Stutter Dial Tone) 1 ◀ : Dial Tone |
| END | INITIAL | |

DUAL HOLD

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM12 | Assign the Class of Service for this feature to the required station. | <ul style="list-style-type: none">• CM12 YY = 02(1) X-XXXX: Station Number(2) XX <u>XX</u> *a *a: Service Restriction Class B (00-15 ◀) |
| CM15 | | |
| <u>END</u> | | |

E & M TIE LINE ACCESS

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign a Trunk Number for the PN-2ODT card to the required LENS.</p> <p>Note: <i>The trunk number must be assigned to the first LEN (Level 0) and/or the second LEN (Level 1) of each LT slot.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) D000-D255 (Trunk No.) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign a Trunk Route access code to each Tie Line Trunk route.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (81/82) (2) 100-163: Trunk Route 00-63 (01/02) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | <p>Assign a Trunk Route and Tenant number to each Trunk.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Trunk No. (000-255) (2) Trunk Route No. (00-63) (01/02) • YY = 01 (1) Trunk No. (000-255) (2) Tenant No. (00-63) (00/00) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign Trunk Route data to the Trunk Route Number assigned by CM30 YY = 00.</p> <p>Note: <i>Both circuit must be set to same purpose (2-wire or 4-wire) on one PN-2ODT card.</i></p> | <ul style="list-style-type: none"> • YYY = 105 (2-wire E & M/4-wire E & M Trunk) (1) Trunk Route No. (00-63) (2) 0 : 2-wire E & M Trunk <li style="padding-left: 20px;">1 ◀ : 4-wire E & M Trunk • YYY = 104 (Polarity of E & M Trunk) (1) Trunk Route No. (00-63) (2) 1 : E wire (Open), M wire (Open) <li style="padding-left: 20px;">2 : E wire (Ground), M wire (Battery) <li style="padding-left: 20px;">3 ◀ : E wire (Ground), M wire (Ground) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

E & M TIE LINE ACCESS

| | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 10px auto; display: flex; align-items: center; justify-content: center;">CM35</div> | <p>Assign Trunk Route data to the Trunk Route Number assigned by CM30 YY = 00.</p> | <ul style="list-style-type: none"> • YY = 00 (Kind of Trunk Route) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 04 (Tie Line) • YY = 01 <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) < Incoming > < Outgoing > <ul style="list-style-type: none"> 2 : DP-10PPS DP 10PPS 4 : DTMF DTMF 7◀ : DTMF/DP DTMF • YY = 02 (IC/OG) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 1 : Incoming Trunk 2 : Outgoing Trunk 3◀ : Bothway Trunk • YY = 04 (Answer Signal from Distant Office) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 2/7◀ : Arrive/Not Arrive • YY = 05 (Release Signal from Distant Office) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 1◀ : Arrive • YY = 08 (Sending of Dial Pulse) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 3◀ : Send • YY = 09 (Incoming Connection Signalling) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 03: Wink Start 04: Delay Dial 05: Immediate Start 06: 2nd Dial Tone/Timing Start • YY = 10 (When YY = 09 is 06) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 0/1◀ : No Tone/2nd Dial Tone |
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">B</div> | | |

E & M TIE LINE ACCESS

| B | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|-------------------------|---|-------------------------|----|---|----|----|---|----|----|---|----|----|---|----|-----------|----|-----------|-------------|----|-----------|-------------|----|-----------|-------------|----|-----------|-------------|----|------------|-------------|----|------------|-------------|----|------------|-------------|----|-------------|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Assign the appropriate data for the characteristic of the distant PBX.</p> | <ul style="list-style-type: none"> • YY = 13 (Maximum Number of Sending Digits) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 001-031: 1 -31 digits <p>If no data is set, sender is released when time out occurs or the called station answers.</p> • YY = 20 (Sender Start Condition) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (01/02) (2) 00: Wink Start 01: Delay Dial 15: Timing Start (As per YY = 21) <p>The above data should be set to each route according to the data for YY = 09, as shown below.</p> <table style="margin-left: 40px; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Data for YY = 09</u></th> <th style="text-align: center;">→</th> <th style="text-align: left;"><u>Data for YY = 20</u></th> </tr> </thead> <tbody> <tr><td>03</td><td style="text-align: center;">→</td><td>00</td></tr> <tr><td>04</td><td style="text-align: center;">→</td><td>01</td></tr> <tr><td>05</td><td style="text-align: center;">→</td><td>15</td></tr> <tr><td>06</td><td style="text-align: center;">→</td><td>15</td></tr> </tbody> </table> • YY = 21 (Sender Start Timing) <ol style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) <table style="margin-left: 20px; border: none;"> <tbody> <tr><td>00: 0 sec</td><td>08</td><td>: 6.0 sec</td></tr> <tr><td>01: 0.5 sec</td><td>09</td><td>: 7.0 sec</td></tr> <tr><td>02: 1.0 sec</td><td>10</td><td>: 8.0 sec</td></tr> <tr><td>03: 1.5 sec</td><td>11</td><td>: 9.0 sec</td></tr> <tr><td>04: 2.0 sec</td><td>12</td><td>: 10.0 sec</td></tr> <tr><td>05: 2.5 sec</td><td>13</td><td>: 11.0 sec</td></tr> <tr><td>06: 4.0 sec</td><td>14</td><td>: 12.0 sec</td></tr> <tr><td>07: 5.0 sec</td><td>15</td><td>◀ : 3.0 sec</td></tr> </tbody> </table> | <u>Data for YY = 09</u> | → | <u>Data for YY = 20</u> | 03 | → | 00 | 04 | → | 01 | 05 | → | 15 | 06 | → | 15 | 00: 0 sec | 08 | : 6.0 sec | 01: 0.5 sec | 09 | : 7.0 sec | 02: 1.0 sec | 10 | : 8.0 sec | 03: 1.5 sec | 11 | : 9.0 sec | 04: 2.0 sec | 12 | : 10.0 sec | 05: 2.5 sec | 13 | : 11.0 sec | 06: 4.0 sec | 14 | : 12.0 sec | 07: 5.0 sec | 15 | ◀ : 3.0 sec |
| <u>Data for YY = 09</u> | → | <u>Data for YY = 20</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | → | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | → | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | → | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | → | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00: 0 sec | 08 | : 6.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01: 0.5 sec | 09 | : 7.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02: 1.0 sec | 10 | : 8.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03: 1.5 sec | 11 | : 9.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04: 2.0 sec | 12 | : 10.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05: 2.5 sec | 13 | : 11.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06: 4.0 sec | 14 | : 12.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07: 5.0 sec | 15 | ◀ : 3.0 sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

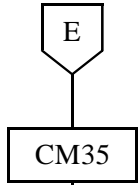
E & M TIE LINE ACCESS

| C | DESCRIPTION | DATA |
|------|---|--|
| CM35 | When YY = 01 is 2, assign the data for the DP Sender Characteristics. | <ul style="list-style-type: none">• YY = 23 (DP Sender Inter Digital Pause)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0 : 300 ms 1 : 400 ms 2 : 500 ms 3 : 600 ms 4 : 700 ms 5 : 900 ms 6 : 1100 ms 7◀ : 800 ms |
| | When YY = 01 is 4, assign data for the DTMF Sender Characteristics. | <ul style="list-style-type: none">• YY = 25 (DP Sender Make Ratio)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0/1◀ : 33% Make Ratio/39% Make Ratio• YY = 45 (DP Sender Release Timing)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0 : 2 sec 1 : 4 sec 2 : 6 sec 3 : 8 sec 4 : 12 sec 5 : 14 sec 6 : 16 sec 7◀ : 10 sec• YY = 24 (DTMF Sender Inter Digital Pause)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0 : 32 ms 1 : 64 ms 2 : 80 ms 3 : 96 ms 4 : 160 ms 5 : 192 ms 6 : 240 ms 7◀ : 96 ms• YY = 26 (DTMF Sender Signal Width)<ul style="list-style-type: none">(1) Trunk Route No. (00-63)(2) 0/1◀ : 64 ms/128 ms |
| D | | |

E & M TIE LINE ACCESS

| D | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | <p>Specify the desired Station Ringing Cadence and Multiline Terminal Tone Ringer.</p> | <ul style="list-style-type: none"> • YY = 46 (DTMF Sender Release Timing) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : 2 sec 1 : 4 sec 2 : 6 sec 3 : 8 sec 4 : 12 sec 5 : 14 sec 6 : 16 sec 7◀ : 10 sec • YY = 33 (Ringing Cadence) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 2 : 1 sec ON, 2 sec OFF 3◀ : 2 sec ON, 4 sec OFF <p style="margin-left: 40px;">To make this data assignment effective enter the data "1" for CM08-180</p> • YY = 34 (Multiline Terminal Tone Ringer) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0 : 1024+1285×16 (Hz) 1 : 480+606×8 (Hz) 2 : 600+700 (Hz) 3◀ : 480+606×16 (Hz) |
| E | | |

E & M TIE LINE ACCESS



DESCRIPTION

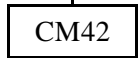
DATA

Specify the value of the Tie Line Pad of PN-2ODT.

- YY = 19
- (1) Trunk Route No. (00-63)
- (2) 0 } Programmable PAD (See CM42)
- 1 }
- 2 }
- 3 }
- 4 } Fixed PAD (See the following Table)
- 5 }
- 6 }
- 7 ←

T/R : Transmit/Receive

| CONNECTION PATTERNS (A-B) | PAD DATA OF B TRUNK | | | |
|---------------------------|---------------------|--------------|--------------|--------------|
| | DATA=4 (T/R) | DATA=5 (T/R) | DATA=6 (T/R) | DATA=7 (T/R) |
| Station-ODT | | | 3/3 | 3/3 |
| Tone-ODT | | | 0/0 | 0/0 |
| COT-ODT | | | 2/2 | 0/0 |
| ODT-ODT | | | 0/0 | 0/0 |
| DTI-ODT | | | 0/0 | 0/0 |

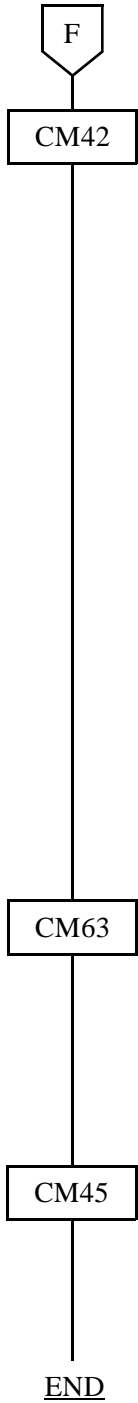


When using the programmable PAD (CM35 YY = 19, 2nd data = 0-3), assign the PAD data.

- (1) 50-65 (See the following Table)
- (2) 00-15 (See the following Table)

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

E & M TIE LINE ACCESS



DESCRIPTION

DATA

T/R : Transmit/Receive

| 2ND DATA (2) | PATTERN | PAD DATA OF B TRUNK (T/R) [dB] | | REMARKS |
|---------------|---------------|--------------------------------|--|---------|
| | | ODT | | |
| 00 15 | 00 | 0/0 | | |
| | 01 | 0/0 | | |
| | 02 | 0/0 | | |
| | 03 | 2/2 | | |
| | 04 | 3/3 | | |
| | 05 | 12/11 | | |
| | 06 | 16/11 | | |
| | 07 | 6/6 | | |
| | 08 15 |] Not Used | | |

Specify the restriction of incoming call termination to different Tenants.

- Y = 2
- (1) $\frac{XX \ XX}{*a \ *b}$

*a: Tenant No. of called station
*b: Tenant No. of Trunk Route

- (2) 0/1 ◀ : Restricted/Allowed

Provide DTMF Receivers for Tie Line incoming calls, if required.

- Y = 1
- (1) $\frac{XX \ X}{*a \ *b}$

*a: Card No. (00-15) assigned by CM10 (E200-E215)

*b: Circuit No. (0-3)

- (2) 0 ◀ : Only for Tie Line

ENHANCED 911

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| START | | |
| CM05 | Assign a slot number to 911 Sender trunk. (INITIAL) The slot number is given by the SENSE switch on the 911 Sender trunk. | (1) Slot No. (04-15) (2) 19 (PN-ME00 card) |
| CM06 | Assign 911 Sender trunk number to each 911 Sender trunk. (INITIAL) | • YY=04 (1) XX: 911 Sender trunk No. (00-15) (2) $\begin{matrix} \text{XX} & \text{X} \\ & \\ \text{Circuit No. (0-3)} & \text{Slot No. assigned by CM05} \end{matrix}$ |
| CM08 | Provide the system with Enhanced 911. Specify whether the Sender Tone will be sent when a call originated, or not. | (3) 474 (Enhanced 911) (4) 0: Provided (5) 475 (Sending of Sender Tone) (6) 0: Sent 1 ◀: Not Sent |
| CM09 | Provide the System with Enhanced 911. (INITIAL) | (1) 52 (Enhanced 911) (2) 0: Provided |
| CM31 | Specify that all circuits on the 911 Sender trunk are used as sender. (INITIAL) Note: <i>The AP Number 0-3 correspond to the Slot Numbers assigned by CM05 (00-15) as shown below:</i> <i>AP Number 0: Slot Number X</i> <i>AP Number 1: Slot Number Y</i> <i>AP Number 2: Slot Number Z</i> <i>AP Number 3: Slot Number W</i> <i>(X<Y<Z<W)</i> | • Y=2 (1) 0-3 (AP Number) Note (2) 0: All circuits are used as the 911 Sender. |
| CMAA | Specify the sending method of calling number to the 911 Sender trunk. | • YY=07 (Sending method of calling number) (1) Slot No. (04-15) (2) 3: Enhanced 911 |
| A | | |

ENHANCED 911

| | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">A</div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; text-align: center;">CM35</div> | <p>Set the trunk route that no answer signal arrives from the distant office for outgoing connection.</p> <p>Specify incoming connection signaling.</p> <p>Note: <i>PN-24DTA must be set to Wink Start. PN-20DT and AN-4COT must be set to Ring Down. Enhanced 911 will not function if PN-20DT is set to Wink Start.</i></p> <p>Provide SMDR/Centralized Billing for outgoing.</p> <p>(3) Specify sender start condition to Wink Start.</p> <p>Note: <i>Digital and Analog Tie Lines are set to Wink Start. Analog Loop Start Lines are set to Timing Start.</i></p> <p>Specify the trunk seizure pattern.</p> <p>Provide the trunk route with Enhanced 911.</p> <p>Specify the sending method of calling number to the 911 Sender trunk.</p> | <ul style="list-style-type: none"> • YY=04 (Answer Signal from distant office) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3: No Answer signal (Polarity Reversal is ignored) • YY=09 (Incoming connection signaling) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 03: Wink Start 15: Ring Down • YY=14 (SMDR for outgoing call) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 1 ◀: Provided • YY=20 (Sender start condition) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 00: Wink Start 15: Timing Start • YY=36 (Trunk seizure pattern) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) 0: After dialing maximum number of digits • YY=38 (Enhanced 911) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3: Enhanced 911 • YYY=129 (Sending method of calling number) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3: Enhanced 911 |
| <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; text-align: center;">CM85</div> | <p>Assign the Area Code Development Pattern number for maximum digit analysis.</p> | <ul style="list-style-type: none"> • YY=76 (Area Code Development Pattern) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) 00-07: Area Code Development Pattern No. 0-7 • Y=0-7 (Area Code Development Pattern No. 0-7) <ul style="list-style-type: none"> (1) X-XXX... : Area Code/Office Code or its part (Max. 8 digits) (2) 01-79: 1-79 digits |
| <div style="border: 1px solid black; width: 60px; height: 25px; margin: 5px auto; text-align: center;">CM20</div> | <p>Define the maximum number of digits which can be sent to the network.</p> | <ul style="list-style-type: none"> • Y=0-3 (Numbering Group No. 0-3) <ul style="list-style-type: none"> (1) X-XXXX: Access Code (Max. 4 digits) (1) A26-A28: Access Code for LCR Group 0-3 |
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">B</div> | <p>Assign the access code for LCR Group 0-3.</p> | |

ENHANCED 911

| | DESCRIPTION | DATA |
|------|---|---|
| B | | |
| CM8A | Assign the LCR data, as the occasion demands. | YYY (1) See CM8A in the Command Manual. |
| CM12 | Assign the calling station number sent to the network. “*”, “#” are not available for the sending number. | <ul style="list-style-type: none"> • YY=12 (Calling Number assignment) (1) X-XXXX: Station number (2) X-XXXX: Sending number |
| CM12 | Assign the Local Office Code Table number for sending the calling office code to the network. | <ul style="list-style-type: none"> • YY=13 (Local Office Code Table No.) (1) X-XXXX: Station number (2) 00-14: Table No. 00-14 1: Do not use the Table. |
| CM35 | Assign the Local Office Code Table number used for tandem connection. Note: <i>This command is not used for the NEAX2000 IVS containing the MF Sender for Enhanced 911. This command is used for an incoming CCIS voice route or incoming Tie Line route. The selected table number must be different from the tables selected by CM12, YY=13. The table selected for the incoming CCIS/Tie route must contain the main telephone number (area code, office code, and last four digits) of the distant PBX.</i> | <ul style="list-style-type: none"> • YY=03 (Local Office Code Table No. on tandem connection) (1) Trunk Route No. (00-63) (2) 00-14: Table No. 00-14 15 ◀: Do not send the calling number 16-63: Send the calling number |
| CM50 | Assign the Local Office Code sent to the network. “*”, “#” is not available for the sending number. | <ul style="list-style-type: none"> • YY=05 (Local Office Code assignment) (1) 00-14: Local Office Code Table No. 00-14 X-XXX... : Sending number (Max. 12 digits) |
| END | | |

HARDWARE REQUIRED

PN-4RSTB card

EXECUTIVE CALLING

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM13 | Assign VIP class to the required station. | <ul style="list-style-type: none">• YY = 21(1) X-XXXX: Station Number(2) 0: To be provided |
| <u>END</u> | | |

EXECUTIVE OVERRIDE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM12 | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) $\frac{XX}{*a} XX$ <li style="margin-left: 20px;">*a: Service Restriction Class (A) (00-15 ◀) |
| CM15 | Assign this feature to the Service Restriction Class (A) assigned by CM12 YY = 02. The setting of data for both called side and calling side of Executive Override (YY = 05 and YY = 09) are required. | <ul style="list-style-type: none"> • YY = 05 and YY = 09 (1) XX : Service Restriction Class (A) assigned by CM12 YY = 02. (2) 1 ◀ : Allowed |
| CM20 | Assign the access code for Executive Override. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*4) (2) 006: Executive Override |
| CM45 | Assign the data for Conference Trunk (CFT). When providing the additional CFT, set the data for canceling of Make Busy to CFT Circuits No. 08 through 15. | <ul style="list-style-type: none"> • Y = 6 (1) 00-07: CFT Circuit No. (Basic) (2) 1 ◀ : Make-Busy Cancel (1) 08-15: CFT Circuit No. (Additional) (2) 1 ◀ : Make-Busy Cancel |
| CM90 | Assign an Executive Override key to the Multiline Terminal, as needed. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + key No. (2) F0006: Executive Override |
| CM08 | Specify the Waiting Tone sent to connected parties during Executive Override. | <ul style="list-style-type: none"> (1) 045 (2) 0 : Only once <li style="margin-left: 20px;">1 ◀ : Every 4 sec. |
| END | | |

EXTERNAL PAGING WITH MEET-ME

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|---|--|
| START | | |
| CM10 | Assign the Paging Trunk (PN-4COT and PN-DK00) to the required LEN. Note: <i>The PN-DK00 card No. must be assigned to the first LEN (Level 0) and/or third LEN (Level 2)</i> | (1) LEN (0000-0511) (2) D000-D255: PN-4COT E800-E831: PN-DK00 E800-E807: For PIM0/1 E808-E815: For PIM2/3 E816-E823: For PIM4/5 E824-E831: For PIM6/7 |
| CM12 | Assign the Class of Service for Paging Access to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class (A) (00-15)] |
| CM15 | | <ul style="list-style-type: none"> • CM15 YY = 08 |
| CM44 | Assign the paging function to the PN-DK00 card, if needed. | (1) $\frac{XX}{*a} X$ *a: Service Rest. Class (A) (00-15) assigned by CM12 YY = 02 (2) 1◀ : Allowed (1) $\frac{XX}{*a} \frac{X}{*b}$ *a: Card No. (00-31) assigned by CM10 (E800-E831) *b: Circuit No. of PN-DK00 (0-3) (2) 02 $\frac{XX}{*a}$: Zone assigned by CM30 YY = *a 28 *a: 00: Speaker Paging Zone 0 } } 09: Speaker Paging Zone 9 |
| CM08 | Specify the conditions for Paging access. | [(1) 094 (Paging Access Tone) (2) 0/1◀ : To be sent out/Not to be sent out [(1) 096 (Hook flash Signal to the Paging Equipment) (2) 0/1◀ : To be sent out/Not to be sent out [(1) 149 (Automatic Call Back when the paging station is busy through non delay operation.) (2) 0/1◀ : Allowed/Not Allowed [(1) 157 (Access code for Paging Access and Answer) (2) 0/1◀ : Same/Different |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> A When CM08-157=1 (Different) </div> <div style="text-align: center;"> B When CM08-157=0 (Same) </div> </div> | | |

EXTERNAL PAGING WITH MEET-ME

| | DESCRIPTION | DATA |
|------------|---|---|
| A | | |
| CM20 | Assign the access code for Paging Access and answer. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (86) (2) 100-163 : For Paging Access (Route 00-63) (07) <li style="padding-left: 20px;">070-079 : For Paging Access/ Paging Answer (Paging Answer Zone 0-9) 080 : Canceling of Paging (De- lay Operation) |
| CM30 | Assign the data for Paging Trunk to the trunk number assigned by CM10. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) (1) Trunk No. (2) Trunk Route No. (00-63) • YY = 28 (Zone/Kind of Paging) (1) Trunk No. (2) $\frac{X}{*} \frac{X}{*} \frac{X}{*} \frac{X}{*}$ *a*b <li style="padding-left: 20px;">*a: Paging Answer Zone <li style="padding-left: 40px;">0: Paging Answer Zone 0 <li style="padding-left: 40px;">9: Paging Answer Zone 9 <li style="padding-left: 20px;">*b: Kind of Paging <li style="padding-left: 40px;">0: No answer <li style="padding-left: 40px;">2: Non-delay answer <li style="padding-left: 40px;">4: Non-delay and delay answer |
| CM35 | Assign the Paging Trunk to the trunk route number assigned by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 (1) Trunk Route No. (00-63) (07) (2) 05 • YY = 08 (Dial Pulse Sending Capabili- ty) (1) Trunk Route No. (00-63) (2) 1: No Dial Pulse is sent out. |
| <u>END</u> | | |

EXTERNAL PAGING WITH MEET-ME

| | DESCRIPTION | DATA | | | | | | | | |
|---------------|--|---|-------|--------|----|--|--|--------|----|--|
| B | | | | | | | | | | |
| CM20 | Assign the access code for Paging Answer. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 070-079 : For Paging Access/Paging Answer (Paging Answer Zone 0-9) 080 : Canceling of Paging (Delay Operation) | | | | | | | | |
| CM30 | Assign the data for Paging Trunk to the trunk number assigned by CM10 as follows. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) (1) Trunk No. (2) Trunk Route No. (50 - 59) <ul style="list-style-type: none"> • YY = 28 (Zone/Kind of Paging) (1) Trunk No. (2) $\frac{X}{*} \frac{X}{*} \frac{X}{*} \frac{X}{*}$ *a*b *a: Paging Answer Zone 0: Paging Answer Zone 0 9: Paging Answer Zone 9 *b: Kind of Paging 0: No answer 2: Non-delay answer 4: Non-delay and delay answer | | | | | | | | |
| | <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">Paging Answer</th> <th style="text-align: center; border-bottom: 1px solid black;">Trunk</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0-----</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">9-----</td> <td style="text-align: center;">59</td> </tr> </tbody> </table> | Paging Answer | Trunk | 0----- | 50 | | | 9----- | 59 | |
| Paging Answer | Trunk | | | | | | | | | |
| 0----- | 50 | | | | | | | | | |
| | | | | | | | | | | |
| 9----- | 59 | | | | | | | | | |
| CM35 | Assign the Paging Trunk to the trunk route number assigned by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 (1) Trunk Route No. (50-59) (2) 05 <ul style="list-style-type: none"> • YY = 08 (Dial Pulse Sending Capability) (1) Trunk Route No. (50-59) (2) 1: No dial Pulses are sent Out. | | | | | | | | |
| END | | | | | | | | | | |

To provide an Attendant Console with a Paging Key (1200 Series Enhancement):

EXTERNAL PAGING WITH MEET-ME

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign a Paging key to SN610 ATTCON, as required. | (1) ATTCON No. + + Key No. (2) F6150: Paging key (Route No. 50) } } F6159: Paging key (Route No. 59) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | Enable depressing the Paging key on SN610 ATTCON when the ATTCON is in idle. | (1) 445 (2) 0: Available 1 ◀ : Not Available |
| <u>END</u> | | |

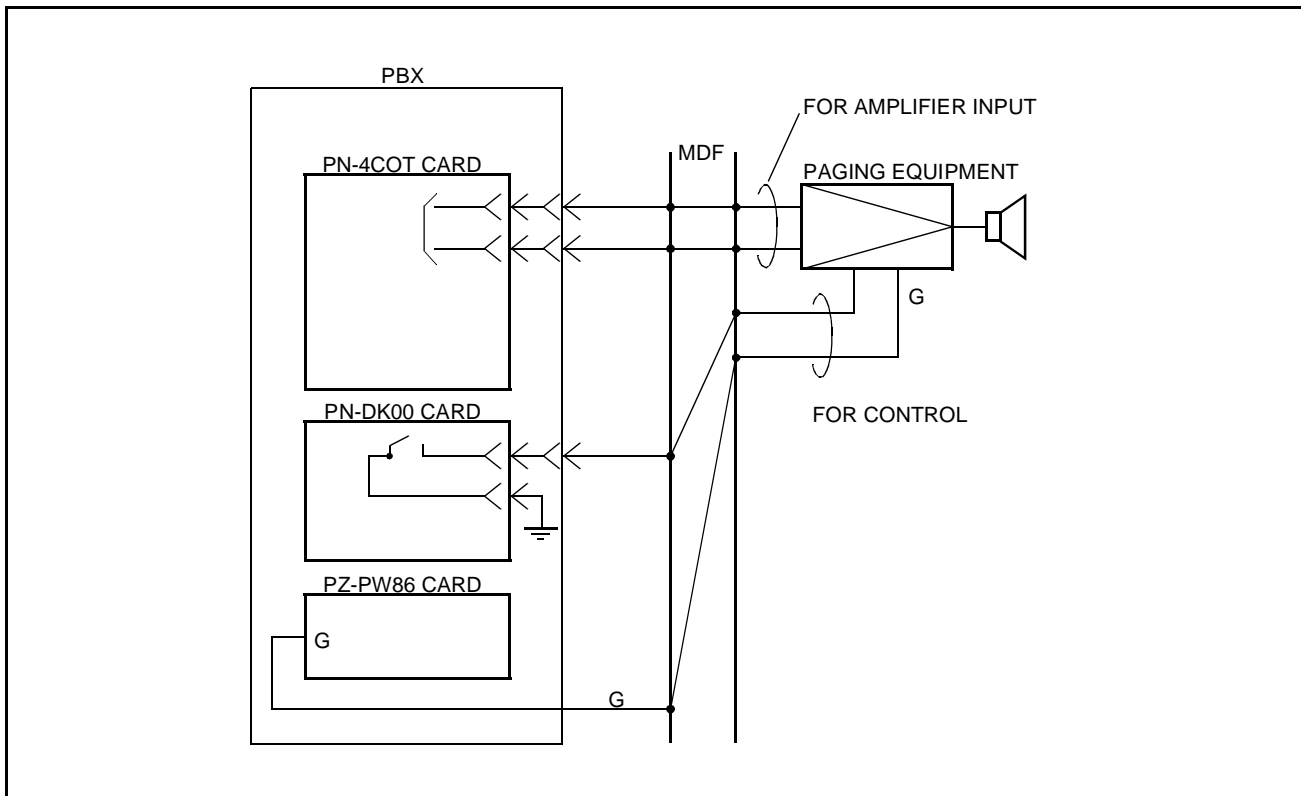
HARDWARE REQUIRED

Paging Trunk (PN-4COT) × n/4 (n: Number of Zones of external paging)

PN-DK00 card

Paging Equipment provided locally.

To accommodate the Paging Equipment, make the following connections at the MDF. For details, refer to the MDF cross connection for Paging Equipment in the INSTALLATION PROCEDURE MANUAL.



FAX ARRIVAL INDICATOR

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | Assign the fax call station number. This number is used as the fax call indicator button on the Multiline Terminal. Also this is the number to which the incoming fax call is directed. | <ul style="list-style-type: none"> (1) LEN Number (0000-0511) (2) X-XXXX : Single Line Station No. FX-FXXXX : Primary Extension No. |
| CM11 | Assign a virtual number to be used as a fax call station number. (Similar to CM10 above but using a virtual extension instead of a real station number.) | <ul style="list-style-type: none"> (1) LEN Number (0000-0255) (2) X-XXXX: Virtual Extension No. |
| CM13 | Assign the function of fax call station to the station or extension assigned above in either CM10 or CM11. | <ul style="list-style-type: none"> • YY = 29 (1) X-XXXX: Station Number (2) 0: Fax Call Station 1: Ordinary Station |
| CM52 | Assign the fax call station and fax station using the Hot Line feature if the Hot Line function is to be used to set this feature. Note: <i>Proper assignment of this feature requires use of either the Hot Line or House Phone feature. See service conditions for limitations of each assignment, in the Features and Specifications Manual.</i> | <ul style="list-style-type: none"> • YY = 00-99 (1) 0: Fax Call Station (calling side) (This is the extension to which the call is directed and will be the fax call indicator on the Multiline Terminal.) (2) X-XXXX: Station Number (1) 1: Fax Station (called side) (This is the actual single line port to be connected to the facsimile machine.) (2) X-XXXX: Station Number |
| CM12 | When using the House Phone feature, assign the fax call station numbers to a House Phone group. | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX: Fax Call Station No. (2) 00-03: Fax Call Group No. |
| A | Specify the accommodation of the fax call station to the Multiline Terminal. Note: <i>This command needs to be set when assigning a single line station as a fax call station number by CM10.</i> | <ul style="list-style-type: none"> • YY = 05 (1) X-XXXX: Fax Call Station No. (2) 0: Accommodated 1: Not Accommodated |

FAX ARRIVAL INDICATOR

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM51 | Assign the fax station using the House Phone feature. | <ul style="list-style-type: none">• YY = 14(1) 00-03: Fax Station (This is the actual single line port to be connected to the facsimile machine.)(2) X-XXXX: Station No. |
| CM90 | Assign the fax call station number as the arrival indicator to the Multiline Terminal. | <ul style="list-style-type: none">• YY = 14(1) Primary Extension No. + comma (,) + key number(2) X-XXXX: Fax Call Station No. |
| <u>END</u> | | |

FLEXIBLE LINE KEY ASSIGNMENT

PROGRAMMING

To indicate the busy/idle status of the extensions accommodated to the Flexible Line Keys on the Series E Terminal without the One Touch Speed Dial Keys, assign the following data. (1800 Series Enhancement)

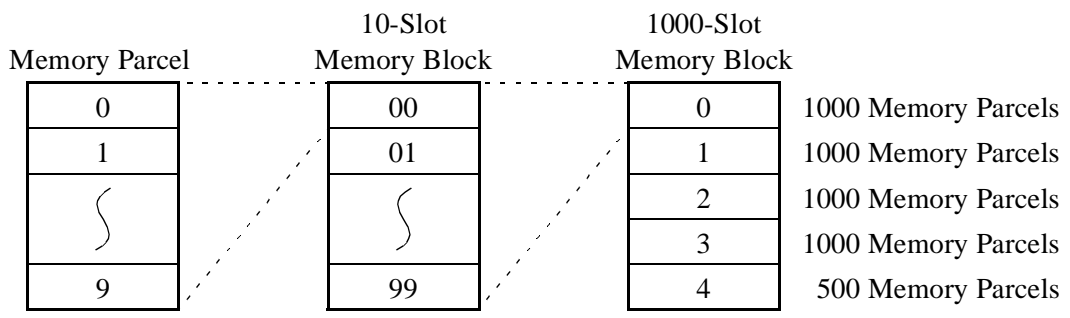
| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether 1000-Slot Memory Block has 26 digits or 16 digits memory buffers.</p> <p>Note 1: <i>When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No.0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-4 contains 16-digits memory buffers.</i></p> | <p>(1) 252 (2) 0/1◀ : 26/16 digits</p> <p>Note 2: <i>Regardless of this data setting, a maximum of 26 digits number can be stored to Extension Memory card's memory area (1000-Slot Memory Block No. 8-F).</i></p> |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign Service Restriction Class A to each station.</p> | <ul style="list-style-type: none"> • YY=02 (Service Restriction Class A·B) (1) X-XXXX (Station No.) (2) <u>XX</u> XX *a <li style="margin-left: 20px;">*a: Service Restriction Class A (00-15◀) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign Station Speed Dialing to Service Restriction Class A assigned by CM12 YY=02.</p> | <ul style="list-style-type: none"> • YY=07 (1) 00-15: Service Restriction Class A (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

FLEXIBLE LINE KEY ASSIGNMENT

A

CM73

| DESCRIPTION | DATA |
|--|---|
| <p>Allocate the memory area for Station Speed Dialing to each station. The same memory area must be assigned on CM73 and CM94.</p> <p>The memory block for storing one called number of Station Speed Dialing is called a "Memory Parcel". An assembly of 10-Memory Parcels is called a "10 Slot Memory Block," and one hundred 10-Slot Memory Blocks are called a "1000-Slot Memory Block".</p> | <p>(1) X-XXXX (Primary Extension No.) (2) <u>X XX X XX</u> *a *b *c *d (3) *a: 000-Slot Memory Block No. 0-4 Note 1 *b: Memory Start Block No. 00-99: (10-Slot Memory Block) Note 2 *c: Facility for programming the dialed number from the Station (0/1: Effective/Ineffective) *d: Number of blocks in Memory Parcel (01-10)</p> |



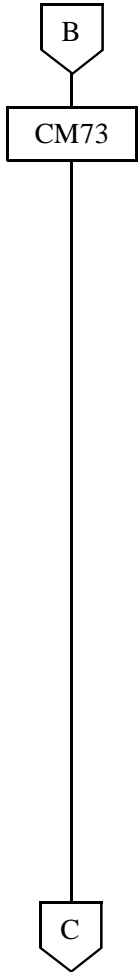
The number of Memory Parcels for a station is specified by the data shown below.

| Data | Number of Memory Parcels |
|--------|-----------------------------|
| XXXX01 | 10 |
| ⋮ | ⋮ |
| XXXX10 | 100 |

Abbreviated Codes required for accessing this feature are automatically given to each station, depending on the number of Memory Parcels specified.

B

FLEXIBLE LINE KEY ASSIGNMENT



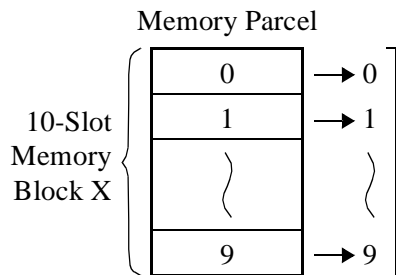
| DESCRIPTION | DATA |
|-------------|------|
|-------------|------|

Note 1: 1000-Slot Memory Block No. 8-F can not be used for Speed Dialing with Speed Dialing keys provided by CM90-second data: F11XX on a Multiline Terminal.

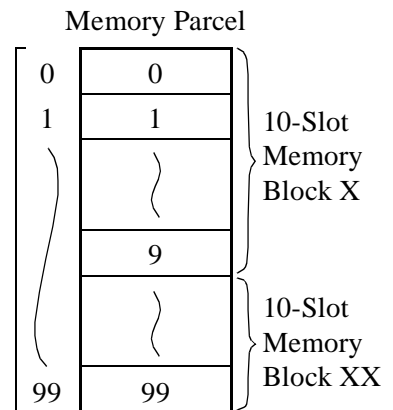
Note 2: When the 1000-Slot Memory Block specifier is 4, Memory Start Block No. should be set to 00-49.

Less than 100 Memory Parcels for a station:

In excess of 100 Memory Parcels for a station:



Abbreviated Codes



FLEXIBLE LINE KEY ASSIGNMENT

| C | DESCRIPTION | DATA | | | | | | | | | | | | |
|--|--|--|-----------------|----------|-------|----------|-------|----------|-------|---|---|----------|-------|--|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM94</div> | <p>Allocate the memory area for Station Speed Dialing to each station. The same memory area must be assigned on CM73 and CM94.</p> | <p>(1) X-XXXX (Primary Extension No.) (2) <u>X XX 0 XX</u> *a *b *c *a: 1000-Slot Memory Block No. (0-4) *b: Start of 10-Slot Memory Block No. (00-49) *c: Number of 10-Slot Memory Blocks (01/02)</p> | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM90</div> | <p>Assign Station Speed Dialing keys on each Multiline Terminal.</p> <p>For the key number and the last two digits of the second data, assign the same number as follows.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;"><u>1st Data</u></th> <th style="text-align: left; padding: 2px;"><u>2nd Data</u></th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">XXXX, 01</td> <td style="padding: 2px;">F1101</td> </tr> <tr> <td style="padding: 2px;">XXXX, 02</td> <td style="padding: 2px;">F1102</td> </tr> <tr> <td style="padding: 2px;">XXXX, 03</td> <td style="padding: 2px;">F1103</td> </tr> <tr> <td style="padding: 2px;">⋮</td> <td style="padding: 2px;">⋮</td> </tr> <tr> <td style="padding: 2px;">XXXX, 16</td> <td style="padding: 2px;">F1116</td> </tr> </tbody> </table> | <u>1st Data</u> | <u>2nd Data</u> | XXXX, 01 | F1101 | XXXX, 02 | F1102 | XXXX, 03 | F1103 | ⋮ | ⋮ | XXXX, 16 | F1116 | <p>• YY=00 (1) Primary Extension No. + + Key No. (01-16) (2) F11<u>XX</u> *a *a: 00: Station Speed Dialing 00 } } 99: Station Speed Dialing 99</p> |
| <u>1st Data</u> | <u>2nd Data</u> | | | | | | | | | | | | | |
| XXXX, 01 | F1101 | | | | | | | | | | | | | |
| XXXX, 02 | F1102 | | | | | | | | | | | | | |
| XXXX, 03 | F1103 | | | | | | | | | | | | | |
| ⋮ | ⋮ | | | | | | | | | | | | | |
| XXXX, 16 | F1116 | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM08</div> | <p>Specify the type of busy indication on the BLF of the DSS Console as Station Base or Extension Base.</p> | <p>(1) 269 (2) 0/1 ◀ : Station Base/Extension Base</p> | | | | | | | | | | | | |
| <p><u>END</u></p> | | | | | | | | | | | | | | |

Refer to the applicable feature for more information on that feature:

- Trunk-Direct Appearances
- Save and Repeat
- Do Not Disturb
- Intercom
- Hot Line
- Proprietary Multiline Terminal
- Station Speed Dialing

FLEXIBLE NUMBERING PLAN

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------------------|---|---|
| START CM29 | Assign a Numbering Plan Group to each Tenant. | <ul style="list-style-type: none"> (1) Tenant No. (00 - 63) (2) <u>XXX</u>: Numbering Plan Group 0-3 <ul style="list-style-type: none"> *a *a: 710 (Numbering Plan Group 0) <ul style="list-style-type: none"> { 713 (Numbering Plan Group 3) |
| CM20 | Specify the number of digits for station numbers. Example: For setting Station No. "2XXX" <i>(1) 804</i> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) 801: 1 digit 802: 2 digits 803: 3 digits 804: 4 digits (2) X: 1st digit of Station No. (2, 3, 4) |
| CM10 | Assign Station Numbers to the required LENs according to the Numbering Plan specified by CM20. For feature and trunk access codes, refer to the programming of individual features. | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) X-XXXX (Station No.) |
| END | | |

FLEXIBLE NUMBERING PLAN

To provide Single-Digit Feature Access Code:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>To activate this feature, set the data for 050, 051, 069 and 148 to "1."</p> | <ul style="list-style-type: none"> (1) 050 : *Button as Switch Hook Flash. (2) 1◀ : Ineffective (1) 051 : *Button as Switch Hook Flash. (2) 1◀ : Ineffective (1) 069 : Single-Digit Dialing on BT Connection (2) 1◀ : Step Call (1) 148 : Same Last-Digit Redialing on BT Connection (2) 1◀ : Ineffective |
| | <p>Provide the System with the Single-Digit Feature Access Code on RBT (or Voice Call Connection).</p> | <ul style="list-style-type: none"> (1) 156 (2) 0: Available |
| <u>END</u> | <p>Provide the System with the Single-Digit Feature Access Code on BT Connection.</p> | <ul style="list-style-type: none"> (1) 208 (2) 0: Available |

FLEXIBLE RINGING ASSIGNMENT

PROGRAMMING

| START | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | |
|-------|---|--|--|----------------|----|----|---|---|----------------|---|---|----------------------------|---|---|-------------------------|---|---|--------------------------|--|
| CM08 | Specify the method of tone ringer selection. | (1) 390 (2) 1 ◀ : By system data | | | | | | | | | | | | | | | | | |
| CM12 | Specify the ring tone for Multiline Terminals on internal calls. | <ul style="list-style-type: none"> • CM12 YY = 07 [Service Restriction Class C (00 - 15 ◀)] • CM15 YY = 83, 84 | | | | | | | | | | | | | | | | | |
| CM15 | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">YY</th> <th rowspan="2" style="text-align: center;">RING FREQUENCY</th> </tr> <tr> <th style="text-align: center;">83</th> <th style="text-align: center;">84</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">600 + 700 [Hz]</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1024 + 1285 [Hz] x 16 [Hz]</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">480 + 606 [Hz] x 8 [Hz]</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">480 + 606 [Hz] x 16 [Hz]</td> </tr> </tbody> </table> | YY | | RING FREQUENCY | 83 | 84 | 0 | 0 | 600 + 700 [Hz] | 1 | 0 | 1024 + 1285 [Hz] x 16 [Hz] | 0 | 1 | 480 + 606 [Hz] x 8 [Hz] | 1 | 1 | 480 + 606 [Hz] x 16 [Hz] | (1) 00-15 (Service Restriction Class C assigned by CM12 YY = 07) (2) 0/1 ◀ : See left column. |
| YY | | RING FREQUENCY | | | | | | | | | | | | | | | | | |
| 83 | 84 | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 600 + 700 [Hz] | | | | | | | | | | | | | | | | | |
| 1 | 0 | 1024 + 1285 [Hz] x 16 [Hz] | | | | | | | | | | | | | | | | | |
| 0 | 1 | 480 + 606 [Hz] x 8 [Hz] | | | | | | | | | | | | | | | | | |
| 1 | 1 | 480 + 606 [Hz] x 16 [Hz] | | | | | | | | | | | | | | | | | |
| CM35 | Specify the ring tone for incoming calls to each trunk route. | <ul style="list-style-type: none"> • YY = 34 (1) 00-63 (Trunk Route No.) (2) 0 : 1024+1285 [Hz]×16 [Hz] 1 : 480+606 [Hz]×8 [Hz] 2 : 600+700 [Hz] 3 ◀ : 480+606 [Hz]×16 [Hz] | | | | | | | | | | | | | | | | | |
| CM90 | Disable the ringing on each line/extension key of a Multiline Terminal, if required. Refer to DELAYED RINGING, when providing Delayed Ringing to each line/extension key. | <ul style="list-style-type: none"> • YY = 01 (1) Primary Extension No. + + Key No. (2) 0: Disabled | | | | | | | | | | | | | | | | | |
| CM12 | Specify Off-Hook Ringing for incoming calls to Line/Trunk Keys on Multiline Terminals. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class (B) (00-15 ◀)] • CM15 YY = 68 | | | | | | | | | | | | | | | | | |
| CM15 | | | | | | | | | | | | | | | | | | | |
| | <p>Note: <i>This data is effective in the following status.</i></p> <ul style="list-style-type: none"> • Hook Switch-OFF HOOK • SPEAKER Lamp-OFF | (1) Service Restriction Class (B) (00-15) assigned by CM12 YY = 02. (2) 0/1 ◀ : Restricted/Allowed | | | | | | | | | | | | | | | | | |
| END | | | | | | | | | | | | | | | | | | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

FORCED ACCOUNT CODE

PROGRAMMING

When the PN-AP01 is not used.

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Designate the processor (MP or AP) for this feature. | (1) 216 (2) 0: MP (PN-CP00) |
| | Specify whether Confirmation Tone is provided after dialing the Forced Account Code. | (1) 362 (2) 0/1◀ : No Tone/Service Set Tone |
| CM12 | Assign the Class of Service for Forced Account Code to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class (A) 00-15◀] • CM15 YY = 31 (1) XX (Service Rest. Class A assigned by CM12 YY = 02.) (2) 1◀ : Allowed. |
| CM15 | | |
| CM42 | Specify the maximum number of digits for Forced Account Codes. | (1) 12 (2) Max. number of digits (01-08) If no data is set, the default setting is 8 digits |
| CM2A | Set the ID Codes used as Forced Account Codes. | <ul style="list-style-type: none"> • Y = 0 (ID Code Set) (1) Code No. (00-99) (2) X-X...X (Max. number of digits is specified by CM42.) |
| | Note: <i>Up to 100 codes combined with Authorization Code can be set.</i> | |
| A | | |

FORCED ACCOUNT CODE

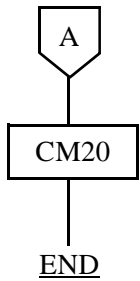
| | DESCRIPTION | DATA |
|------|---|--|
| A | | |
| CM2A | Define the purpose (Y = 1) and the temporary Class of Service (Y = 2-4) for each Forced Account Code. | <ul style="list-style-type: none"> • Y = 1 (Purpose of the Code) <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) 2: Forced Account • Y = 2 (Trunk Restriction Class) <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) X: Trunk Restriction Class (1-8) specified by CM35 YY = 51-68. • Y = 3 [Service Restriction Class (A) / (B)] <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) <u>XX XX</u>: *a *b <ul style="list-style-type: none"> *a: Service Rest. Class (A) (00-15) *b: Service Rest Class (B) (00-15) • Y = 4 [Service Restriction Class (C)] <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) XX: Service Rest. Class (C) 00-15 ◀ • Y = 0-3 (Numbering Plan Group 0-3) <ul style="list-style-type: none"> (1) X - XXX (Access Code) (2) 087 |
| CM20 | Assign the access code for Forced Account Codes. | |
| END | | |

FORCED ACCOUNT CODE

When the PN-AP01 is used:

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM05 | Assign a slot number to the PN-AP01 card according to the location of the card. <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: fit-content; margin: 10px auto;">INITIAL</div> Note: <i>The slot number is given by the SENSE switch on the PN-AP01 card.</i> | (1) Slot Number (04-15) (2) 07: PN-AP01 card |
| CM08 | Designate the AP processor for this feature. Specify whether Confirmation Tone is provided after dialing the access code for Forced Account Code. | (1) 216 (2) 1◀ : AP (PN-AP01) (1) 362 (2) 0/1◀ : No Tone/Service Set Tone |
| CM12 | Assign the Class of Service for Forced Account Code to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Station No. (2) $\frac{XX}{*a} \frac{XX}{*b}$ <ul style="list-style-type: none"> *a: Service Restriction Class (A): 00-15◀ *b: Service Restriction Class (B): 00-15◀ • CM15 YY = 31 (1) XX (Service Rest. Class A assigned by CM12 YY = 02) (2) 1◀ : Allowed |
| CM15 | | |
| CM42 | Specify the maximum number of digits for Forced Account Codes. Note: <i>The same number of digits must be assigned by CM42-11 and CM42-12.</i> | (1) 11, 12 (2) Max. number of digits (01-10) If Check Code is provided, the maximum of digits is limited to 8. If no data is set, the default setting is 10 digits. |
| CMD5 | Set the ID Code and temporary Class of Service used for Forced Account Codes. For the details of the programming, refer to the programming of AUTHORIZATION CODE. | |
| A | | |

FORCED ACCOUNT CODE

| | DESCRIPTION | DATA |
|---|--|--|
|  | Assign an access code for Forced Account Code. | <ul style="list-style-type: none">Y = 0-3 (Numbering Plan Group 0-3)(1) X-XXX (Access Code)(2) 087 |

Note 1: Up to 1,000 Forced Account Codes combined with Authorization Codes and Direct Inward System Access (DISA) codes can be defined.

Note 2: When deleting all ID codes stored in the PN-AP01 card at one time, do the following operation:

[ST] + D60 + **[DE]** + 0000 + **[DE]** + CCC + **[EXE]**

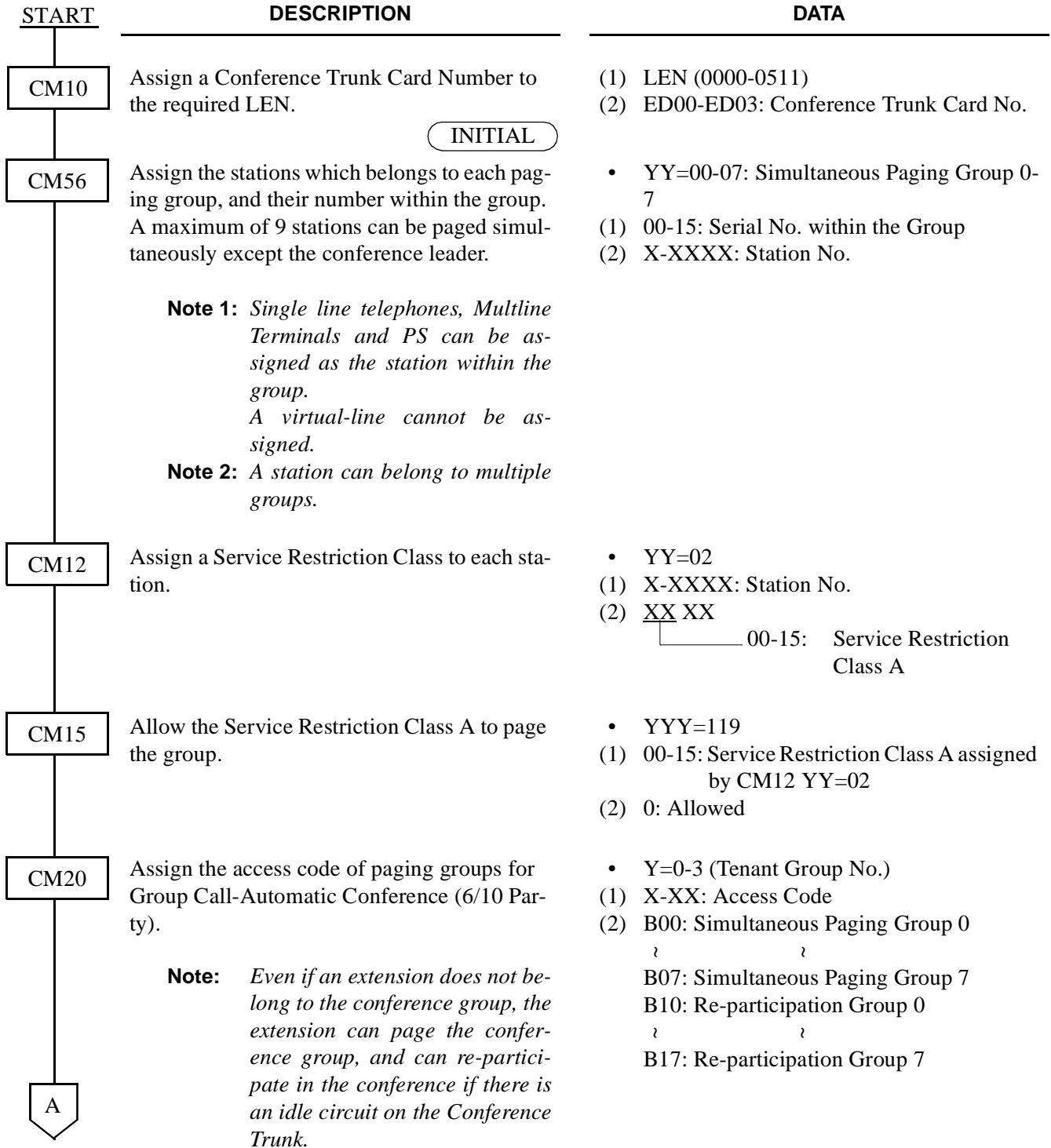
HARDWARE REQUIRED

In the following cases, the PN-AP01 card is required.

1. Maximum 10 digit of ID code is provided.
2. Maximum 1000 code is provided.
3. Check Code is to be added.

GROUP CALL: AUTOMATIC CONFERENCE (6/10 PARTY) DATA ASSIGNMENT

To provide the Group Call-Automatic Conference (6/10 Party):



| A | DESCRIPTION | DATA |
|------------|--|--|
| CM90 | Assign a Group Call-Automatic Conference (6/10 Party) key of each paging group to the Multiline Terminal, if required. | <ul style="list-style-type: none"> • Y=00 (1) X-XXXX: Primary Extension No. + . +key No. (2) F0B00: Simultaneous Paging Group 0 } F0B07: Simultaneous Paging Group 7 F0B10: Re-participation Group 0 } F0B17: Re-participation Group 7 |
| CM41 | Specify the duration of simultaneous paging. | <ul style="list-style-type: none"> • Y=0 (1) 95 (2) 01-99: 4-396 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| <u>END</u> | | |

GROUP CALL: 2-WAY CALLING

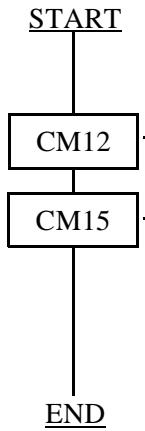
To provide the Group Call-2 Way Calling:

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM56 | <p>Assign the stations which belongs to each paging group, and their number within the group. A maximum of 9 stations can be paged simultaneously except the conference leader.</p> <p>Note 1: <i>Single line telephones, Multiline Terminals and PS can be assigned as the station within the group. A virtual-line cannot be assigned.</i></p> <p>Note 2: <i>A station can belong to multiple groups.</i></p> | <ul style="list-style-type: none"> • YY=00-07: Simultaneous Paging Group 0-7 (1) 00-15: Serial No. within the Group (2) X-XXXX: Station No. |
| CM12 | <p>Assign a Service Restriction Class to each station.</p> | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) <u>XX XX</u> <div style="margin-left: 40px;"> 00-15 ◀: Service Restriction Class A </div> |
| CM15 | <p>Allow the Service Restriction Class A to page the group.</p> | <ul style="list-style-type: none"> • YYY=119 (1) 00-15: Service Restriction Class A assigned by CM12 YY=02 (2) 0: Allowed |
| CM20 | <p>Assign the access code of paging groups for Group Call-2 Way Calling.</p> <p>Note: <i>Even if an extension does not belong to the conference group, the extension can page the conference group.</i></p> | <ul style="list-style-type: none"> • Y=0-3 (Tenant Group No.) (1) X-XX: Access Code (2) B20: Simultaneous Paging Group 0 ? B27: Simultaneous Paging Group 7 |
| CM90 | <p>Assign a Group Call-2 Way Calling key of each paging group to the Multiline Terminal, if required.</p> <p>Note: <i>Even if an extension does not belong to the conference group, the extension can page the conference group.</i></p> | <ul style="list-style-type: none"> • Y=00 (1) X-XXXX: Primary Extension No. + + key No. (2) F0B20: Simultaneous Paging Group 0 ? F0B27: Simultaneous Paging Group 7 |
| END | | |

This page is for your notes.

GROUP LISTENING

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|--|--|
|  <p>CM12</p> <p>CM15</p> <p><u>END</u></p> | Assign the Class of Service for Group Listening to the required Multiline Terminals. | <ul style="list-style-type: none">• CM12 YY = 02 [Service Restriction Class B (00-15◀)]• CM15 YY = 70<ol style="list-style-type: none">(1) Service Rest. class (B) assigned by CM12 YY = 02 (00-15)(2) 0: Allowed |

HOLD: CALL HOLD

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign Service Restriction Class A to the required stations. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX: Station No. (2) $\frac{XX}{*a} XX$ <li style="margin-left: 20px;">*a: Service Restriction Class A (00-15◀) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | Assign this feature to Service Restriction Class A assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 01 (1) XX: Service Restriction Class A assigned by CM12 YY = 02. (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for Call HOLD. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (11) (2) 046: Call Hold |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | Assign a CALL HOLD key to the Multiline Terminal, if needed. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + key No. (2) F0046 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | <p>Note: <i>This line key is not the same key normally assigned to the key labeled HOLD. That key is normally assigned the Non Exclusive/Exclusive Hold feature.</i></p> | |

HOLD: EXCLUSIVE HOLD

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM08 | Provide the system with Exclusive Hold. | (1) 130 (2) 1◀ : Available |
| CM41 | Specify the Recall timing on Exclusive Hold. | • Y = 0 (1) 06 (2) 01-98 : 4-392 sec. in 4 sec. increments If no data is set, the default setting is 236-240 seconds. |
| <u>END</u> | | |

HOTLINE

PROGRAMMING

For internal Hotline:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | | |
|-------------------------|--|---|---------------------|--------------------|----|-----------|-----------|----|-----------|-----------|---|
| START | | | | | | | | | | | |
| CM12 | Assign the Hotline Station to the required stations. | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX (Station No.) (2) 04: Hotline Station | | | | | | | | | |
| CM52 | Set up the Hotline pair. Bidirectional Hotlines should be assigned as follows: <table style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Hotline Pair No.</u></th> <th style="text-align: left;"><u>Calling Side</u></th> <th style="text-align: left;"><u>Called Side</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Station A</td> <td>Station B</td> </tr> <tr> <td>01</td> <td>Station B</td> <td>Station A</td> </tr> </tbody> </table> <p>Note: <i>There is a maximum of 100 assignments for Hotline destination. If internal bidirectional Hotline calling is required, two assignments (one for each direction) must be made. A maximum of 50 bidirectional Hotlines can be assigned.</i></p> | <u>Hotline Pair No.</u> | <u>Calling Side</u> | <u>Called Side</u> | 00 | Station A | Station B | 01 | Station B | Station A | <ul style="list-style-type: none"> • YY = 00-99 (Hotline Pair No.) (1) 0: Calling Side (2) X-XXXX (Station No. /Data Station No. assigned by CM12 YY = 03) (1) 1: Called Side (2) X-XXXX (Station No. /Data Station No.) E00X * _a <p>*a: SN610 ATTCO No.</p> |
| <u>Hotline Pair No.</u> | <u>Calling Side</u> | <u>Called Side</u> | | | | | | | | | |
| 00 | Station A | Station B | | | | | | | | | |
| 01 | Station B | Station A | | | | | | | | | |
| CM08 | Specify the result of a Switch Hook Flash on each Hotline Station. <p>To allow Hotline Stations to transfer a call or access a feature, set the data to "0".</p> | <ul style="list-style-type: none"> (1) 057 (2) 0 : Special Dial Tone Connection 1 ◀ : Attendant Recall | | | | | | | | | |
| END | | | | | | | | | | | |

HOTLINE

For Hotline-Outside:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | |
|--|---|--|----------------|----|----|---|---|-------------|----|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | Assign a Hotline to the required stations. | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX (Station No.) (2) 04: Hotline | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM71</div> | Allocate the memory area for the Hotline-Outside call. For example, to assign the 10 Hotline-Outside calls into No. 100 through No. 109 Memory Slots, 2nd data is "100010." Abbreviated Nos. are automatically assigned as shown below: <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Memory Slot</th> <th style="text-align: center;"><u>Abbrev.</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">00</td> </tr> <tr> <td style="text-align: center;">}</td> <td style="text-align: center;">}</td> </tr> <tr> <td style="text-align: center;">Memory Slot</td> <td style="text-align: center;">09</td> </tr> </tbody> </table> | Memory Slot | <u>Abbrev.</u> | 00 | 00 | } | } | Memory Slot | 09 | <ul style="list-style-type: none"> (1) 65: For Hotline-Outside (2) <u>XXX XXX</u>: See left column. *a *b *a: Starting Memory Slot No. in blocks (000-299) *b: Number of Memory Slots to be assigned in blocks (001-100) |
| Memory Slot | <u>Abbrev.</u> | | | | | | | | | |
| 00 | 00 | | | | | | | | | |
| } | } | | | | | | | | | |
| Memory Slot | 09 | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM72</div> | Set the outside party's number to each Memory Slot No. | <ul style="list-style-type: none"> (1) XXX: Memory Slot No. (000-299) (2) X...X: Outside Party's No. (Max. 28 digits) | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM52</div> | Define the Hotline pairs. | <ul style="list-style-type: none"> • YY = 00-99 (Hotline pair No.) (1) 0: Calling Station <li style="padding-left: 20px;">1: Called Outside party (2) Station No. (For Calling Station) <li style="padding-left: 20px;">01<u>XX</u> (For Called Outside party) *a *a: Abbreviated No. given by CM71. | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | | | | | | | | | |

HOTLINE

For Brokerage Hotline:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM11 | Assign the Virtual Station numbers to the required virtual LENS. | (1) Virtual LEN (0000-0255) (2) X-XXXX (Virtual Station Number) |
| CM12 | Assign the Virtual Station No. assigned by CM11 as Hotline. | <ul style="list-style-type: none"> • YY = 03 (1) Virtual Station No. (2) 04: Hotline |
| CM52 | Define the Hotline pairs. | <ul style="list-style-type: none"> • YY = 00-99 (Hotline Pair No.) (1) 0: Calling party (2) Virtual Station No. (1) 1: Called party (2) Station No. / 01XX _{*a} (For Outside party) *a: Abbreviated No. given by CM71 (See Hotline-Outside) |
| CM90 | Assign the Virtual Line Station and RELEASE keys on the Multiline Terminal. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + +Key No. (2) X-XXXX (Virtual Station No.) F1020 (Release key) |
| <u>END</u> | | |

INDIVIDUAL ATTENDANT ACCESS

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM10 | Assign an Attendant Console Number to each SN610 ATTCON. | (1) 0000-0511 (LEN) (2) E000-E007 (SN610 ATTCON No.) |
| CM20 | Assign the access code for Individual Attendant Access. | • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 095 |
| CM08 | Specify the Individual Attendant Access capability provided from a station belonging to a different tenant. | (1) 143 (2) 0/1◀ : Restricted/Allowed |
| <u>END</u> | | |

INTERCEPT ANNOUNCEMENT

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | <p>Assign a Digital Announcement Trunk Circuit No. to the required LEN.</p> <p>Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <p>(1) LEN (0000-0511)</p> <p>(2) EB000-EB127: Digital Announcement Trunk Circuit No.</p> <p style="margin-left: 40px;">[For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127]</p> |
| CM12 | <p>Assign Service Restriction Class (A) to the required stations.</p> | <ul style="list-style-type: none"> • YY = 02 <p>(1) X-XXX: Station No.</p> <p>(2) <u>XX</u> XX *a</p> <p style="margin-left: 40px;">*a: Service Restriction Class (A)</p> |
| CM15 | <p>Assign Digital Announcement Trunk Circuit access to Service Restriction Class (A) assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 33 <p>(1) XX: Service Restriction Class (A) assigned by CM12 YY = 02.</p> <p>(2) 1◀ : Allowed</p> |
| CM49 | <p>Assign the function to each Digital Announcement Trunk Circuit.</p> | <ul style="list-style-type: none"> • YY = 00 <p>(1) 000-127 [Voice Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127)]</p> <p>(2) 0A00: Call Forwarding-Intercept Announcement</p> |
| CM51 | <p>Assign a Digital Announcement Trunk Circuit as the destination of the call intercepted on each Tenant.</p> | <ul style="list-style-type: none"> • YY = 07 <p>(1) 00-63 (Tenant No.)</p> <p>(2) EB000-EB127 (Digital Announcement Trunk Circuit No.)</p> |
| CM20 | <p>To record, replay, or delete a message, assign the appropriate Digital Announcement Trunk access codes.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <p>(1) X-XXX (Access Code)</p> <p>(2) A00: Digital Announcement Trunk access (Record)</p> <p style="margin-left: 40px;">A01: Digital Announcement Trunk access (Replay)</p> <p style="margin-left: 40px;">A02: Digital Announcement Trunk access (Delete)</p> |
| END | | |

INTERCOM: MANUAL INTERCOM

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | | | |
|--|--|---|-----------------------|----|------------------------------------|----|------------------------------------|---|---|----|------------------------------------|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM11</div> | <p>Assign a Manual Intercom number to the Virtual LEN. The last two digits of each Manual Intercom Number represent the Manual Intercom Group Number.</p> <p>Note: <i>A Manual Intercom group can consist of two to six Multiline Terminals. A maximum of 25 Manual Intercom groups can be assigned per system.</i></p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="text-align: center;">MANUAL INTERCOM GROUP</td> <td style="text-align: center;"><u>INTERCOM GROUP</u></td> </tr> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">A200, A300, A400, A500, A600, A700</td> </tr> <tr> <td style="text-align: center;">01</td> <td style="text-align: center;">A201, A301, A401, A501, A601, A701</td> </tr> <tr> <td style="text-align: center;">}</td> <td style="text-align: center;">}</td> </tr> <tr> <td style="text-align: center;">24</td> <td style="text-align: center;">A224, A324, A424, A524, A624, A724</td> </tr> </table> | MANUAL INTERCOM GROUP | <u>INTERCOM GROUP</u> | 00 | A200, A300, A400, A500, A600, A700 | 01 | A201, A301, A401, A501, A601, A701 | } | } | 24 | A224, A324, A424, A524, A624, A724 | <ul style="list-style-type: none"> (1) 0000-0255 (Virtual LEN) (2) A200-A224 A300-A324 A400-A424 A500-A524 A600-A624 A700-A724 (Manual Intercom Numbers) |
| MANUAL INTERCOM GROUP | <u>INTERCOM GROUP</u> | | | | | | | | | | | |
| 00 | A200, A300, A400, A500, A600, A700 | | | | | | | | | | | |
| 01 | A201, A301, A401, A501, A601, A701 | | | | | | | | | | | |
| } | } | | | | | | | | | | | |
| 24 | A224, A324, A424, A524, A624, A724 | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign the Manual Intercom Station.</p> | <ul style="list-style-type: none"> • YY = 03 (1) Manual Intercom No. assigned by CM11. (2) 06: Manual Intercom | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM56</div> | <p>Assign the Primary Extension No. of each Multiline Terminal to each Manual Intercom Number.</p> | <ul style="list-style-type: none"> • YY = 11 (1) Manual Intercom No. assigned by CM11. (2) Primary Extension No. | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign the MANUAL INTERCOM key to each Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + . + Key No. (01-16) (2) Manual Intercom No. of each Multiline Terminal. | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify the Manual Intercom access capability when a called intercom station has set Do Not Disturb.</p> | <ul style="list-style-type: none"> (1) 238 (2) 0/1 ◀ : No Ring on/Ring on (Allowed) | | | | | | | | | | |
| <u>END</u> | | | | | | | | | | | | |

INTERCOM: AUTOMATIC INTERCOM

PROGRAMMING

| START | DESCRIPTION | DATA | | | | | | | | | | |
|----------|---|---|----------------|----|------------|----|------------|---|---|----|------------|--|
| CM11 | <p>Assign an Automatic Intercom number to the Virtual LEN. The Automatic Intercom Stations are paired as shown below.</p> <table style="margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">GROUPNo.</th> <th style="text-align: left; border-bottom: 1px solid black;">INTERCOMNUMBER</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>A000, A100</td> </tr> <tr> <td>01</td> <td>A001, A101</td> </tr> <tr> <td>}</td> <td>}</td> </tr> <tr> <td>31</td> <td>A031, A131</td> </tr> </tbody> </table> <p>Note: <i>The maximum number of Automatic Intercom paired stations per system is 32.</i></p> | GROUPNo. | INTERCOMNUMBER | 00 | A000, A100 | 01 | A001, A101 | } | } | 31 | A031, A131 | <ul style="list-style-type: none"> (1) 0000-0255 (Virtual LEN) (2) A000-A031 A100-A131 (Automatic Intercom Number) A <u>X</u> <u>XX</u> *a *b <p>*a: 0/1 to be made one pair. *b: Automatic Intercom Group No. (00-31)</p> |
| GROUPNo. | INTERCOMNUMBER | | | | | | | | | | | |
| 00 | A000, A100 | | | | | | | | | | | |
| 01 | A001, A101 | | | | | | | | | | | |
| } | } | | | | | | | | | | | |
| 31 | A031, A131 | | | | | | | | | | | |
| CM12 | Assign each Automatic Intercom Station. | <ul style="list-style-type: none"> • YY = 03 (1) Automatic Intercom No. assigned by CM11. (2) 05: Automatic Intercom | | | | | | | | | | |
| CM56 | Assign the Primary Extension number to each Automatic Intercom Number. | <ul style="list-style-type: none"> • YY = 10 (1) A000-A031 A100-A131 (Automatic Intercom No. assigned by CM11) (2) X-XXXX (Primary Extension No.) | | | | | | | | | | |
| CM90 | Assign the AUTOMATIC INTERCOM Key to each Multiline Terminal. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (01-16) (2) A000-A031 A100-A131 (Automatic Intercom No. of each Multiline Terminal) | | | | | | | | | | |
| CM08 | Specify the Automatic Intercom access capability when a called intercom station has set Do Not Disturb. | <ul style="list-style-type: none"> (1) 237 (2) 0/1 ◀ : Restricted/Allowed | | | | | | | | | | |
| A | | | | | | | | | | | | |

Note: To activate the Voice Announcement call, refer to INTERNAL TONE/VOICE SIGNALING.

INTERCOM: AUTOMATIC INTERCOM

| A | DESCRIPTION | DATA |
|------------|---|--|
| CM13 | Specify the busy indication on the Automatic Intercom LED when the other Multiline Terminal of the same Automatic Intercom Group is busy. | <ul style="list-style-type: none">• YY = 11(1) X-XXXX: Primary Extension Number(2) 0 : Allowed1◀ : Restricted |
| <u>END</u> | | |

INTERCOM: DIAL INTERCOM

PROGRAMMING

| START | DESCRIPTION | DATA | | | | | | | | | | |
|------------------|--|--|--------------------|----|-------------------------|----|-------------------------|---|---|----|-------------------------|--|
| START | | | | | | | | | | | | |
| CM11 | <p>Assign a Dial Intercom number to the Virtual LEN. The last two digits of each Dial Intercom No. represent the Dial Intercom Group No. The first digit is the intercom code (0-9) assigned to the associated virtual extension.</p> <table style="margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>GROUP No.</u></th> <th style="text-align: left;"><u>INTERCOMNo.</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>B000, B100, B200 — B900</td> </tr> <tr> <td>01</td> <td>B001, B101, B201 — B901</td> </tr> <tr> <td>}</td> <td>}</td> </tr> <tr> <td>24</td> <td>B024, B124, B224 — B924</td> </tr> </tbody> </table> <p>Note: <i>A maximum of 25 Dial Intercom groups are available per system. A maximum of ten Multiline Terminals can belong to a Dial Intercom group.</i></p> | <u>GROUP No.</u> | <u>INTERCOMNo.</u> | 00 | B000, B100, B200 — B900 | 01 | B001, B101, B201 — B901 | } | } | 24 | B024, B124, B224 — B924 | <p>(1) 0000-0255 (Virtual LEN) (2) B000-B024 B100-B124 B200-B224 B300-B324 B400-B424 B500-B524 B600-B624 B700-B724 B800-B824 B900-B924 (Dial Intercom Numbers)</p> <p style="margin-left: 40px;">B <u>X</u> <u>XX</u> *a *b</p> <p style="margin-left: 40px;">*a: Intercom Code (0-9) *b: Dial Intercom Group</p> |
| <u>GROUP No.</u> | <u>INTERCOMNo.</u> | | | | | | | | | | | |
| 00 | B000, B100, B200 — B900 | | | | | | | | | | | |
| 01 | B001, B101, B201 — B901 | | | | | | | | | | | |
| } | } | | | | | | | | | | | |
| 24 | B024, B124, B224 — B924 | | | | | | | | | | | |
| CM12 | Assign the Dial Intercom Station. | <ul style="list-style-type: none"> • YY = 03 (1) Dial Intercom No. assigned by CM11. (2) 07: Dial Intercom | | | | | | | | | | |
| CM56 | Assign the Primary Extension number to each Dial Intercom Number. | <ul style="list-style-type: none"> • YY = 12 (1) Dial Intercom Number (B000-B924) (2) Primary Extension No. | | | | | | | | | | |
| CM90 | Assign the DIAL INTERCOM key to each Multiline Terminal. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + +key No. (01 - 16) (2) Dial Intercom No. of each Multiline Terminal. | | | | | | | | | | |
| A | | | | | | | | | | | | |

INTERCOM: DIAL INTERCOM

| | DESCRIPTION | DATA |
|------|--|--|
| A | | |
| CM12 | If the Private Dial Intercom is provided, assign the data to disable Executive Override to each Dial Intercom. | <ul style="list-style-type: none">• CM12 YY = 02(1) BXXX: Dial Intercom No. assigned by CM11.(2) <u>XXXX</u> *a *a: Service Restriction Class (A) (00-15 ◀) |
| CM15 | | |
| CM08 | Specify the Dial Intercom access capability when a called intercom station has set Do Not Disturb. | <ul style="list-style-type: none">(1) 239(2) 0/1◀ : Restricted/Allowed |
| END | | |

Note: To activate the Voice Announcement call, refer to *INTERNAL TONE/VOICE SIGNALING*.

INTERNAL TONE / VOICE SIGNALING

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>To activate the Single-Digit Feature Access Code feature, set the data for 050, 051, 069 and 148 to "1".</p> | <p>(1) 050: * Button as Switch Hook Flash. (2) 1◀ : Ineffective</p> <p>(1) 051: # Button as Switch Hook Flash. (2) 1◀ : Ineffective</p> <p>(1) 069: Single Digit Dialing on BT Connection (2) 1◀ : Step Call</p> <p>(1) 148: Same Last Digit Redialing on BT Connection (2) 1◀ : Ineffective</p> |
| | <p>Provide the System with the Single-Digit Feature Access Code on RBT (or Voice Call Connection).</p> | <p>(1) 156 (2) 0: Available</p> |
| | <p>Specify if Voice Call is provided when calling a Multiline Terminal is set to Voice First from a Single-Line Telephone or a Multiline Terminal without an LCD.</p> | <p>(1) 270: (2) 0 : Not to be provided (Ring Tone) 1 ▶ : To be provided</p> |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign the Class of Service for Voice Call (called side) to the required Multiline Terminal.</p> | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Primary Extension No. (2) XX <u>XX</u> *_a <p>*a: Service Restriction Class (B) (00-15▶)</p> |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM15</div> | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

INTERNAL TONE / VOICE SIGNALING

| | DESCRIPTION | DATA |
|------|---|---|
| A | | |
| CM12 | Assign the Class of Service for Voice Call Mike Off (called side) to the required Multiline Terminal. | <ul style="list-style-type: none"> • CM12 YY = 07 (1) X-XXX: Primary Extension No. (2) XXX: Service Restriction Class (C) (00-15◀) |
| CM15 | | |
| CM20 | Assign the Voice Call/Ring Tone Programming access code. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) A63: Voice Call/Ring Tone Programming |
| END | | |

INTERNAL ZONE PAGING WITH MEET-ME

PROGRAMMING

To provide Internal Zone Paging with Meet-Me:

| START | DESCRIPTION | DATA |
|--|---|---|
| <p style="text-align: center;">START</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM12</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM15</div> | <p>Assign the Class of Service for Internal Zone Paging to the required stations.</p> | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class (A) (00-15 ◀)] • CM15 YY = 49 <ol style="list-style-type: none"> (1) Service Restriction Class (A) assigned by CM12 YY = 02, (00-15) (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM20</div> | <p>Assign Internal Zone Paging access codes and Meet-Me answer codes, as required.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ol style="list-style-type: none"> (1) X-XXX: Access code (50-54, 55-59) (2) A30-A37 (A30-A34) (Group 0-7: Paging Access) A38-A45 (A38-A42) (Group 0-7: Meet-Me Answer) |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM56</div> | <p>Assign the Dterm into the required Internal Zone Paging Groups.</p> <p>Note: <i>A maximum of 8 internal zone paging is available. Up to 16 Multiline Terminals can be grouped per zone.</i></p> | <ul style="list-style-type: none"> • YY = 00-07 (Paging Group Number) <ol style="list-style-type: none"> (1) 00-15 (Serial number in a Paging Group) (2) X-XXXX |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">CM90</div> | <p>Assign Internal Zone Paging to each button on the Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) X-XXXX (Primary Extension No.) + , + Key No. (2) F1270 - F1277 (Group 0-7) |
| <p style="text-align: center;">END</p> | | |

INTERNAL ZONE PAGING WITH MEET-ME

To provide All Zone Internal Paging:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM08 | Provide the system with All Zone Internal Paging. | (1) 158 (2) 1◀ : Available |
| CM12 | Assign the Class of Service for All Zone Internal Paging to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Station No. (2) <u>XX XX</u> *a *a: Service Restriction Class (A) (00-15◀) |
| CM15 | | |
| CM20 | Assign an All Zone Internal Paging access code. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access code (1-3 digits) (2) A64: All Zone Internal Paging Access |
| CM56 | Assign Group for Internal Zone Paging to the required Multiline Terminals. Note: <i>A maximum of 6 zones (0-5) internal paging groups are available. Up to 16 Multiline Terminals can be grouped per zone.</i> | <ul style="list-style-type: none"> • YY = 05 (Paging Group Number) (1) 00-15 (Serial number in a Paging Group) (2) X-XXXX (Primary Extension Number) |
| CM90 | Assign an All Zone Internal Paging function key to a line button on the desired Multiline Terminals. | <ul style="list-style-type: none"> • YY = 00 (1) X-XXXX (Primary Extension No.) + . + Key No. (01-16) (2) F1278: All Zone Internal Paging |
| <u>END</u> | | |

LAST NUMBER REDIAL

PROGRAMMING

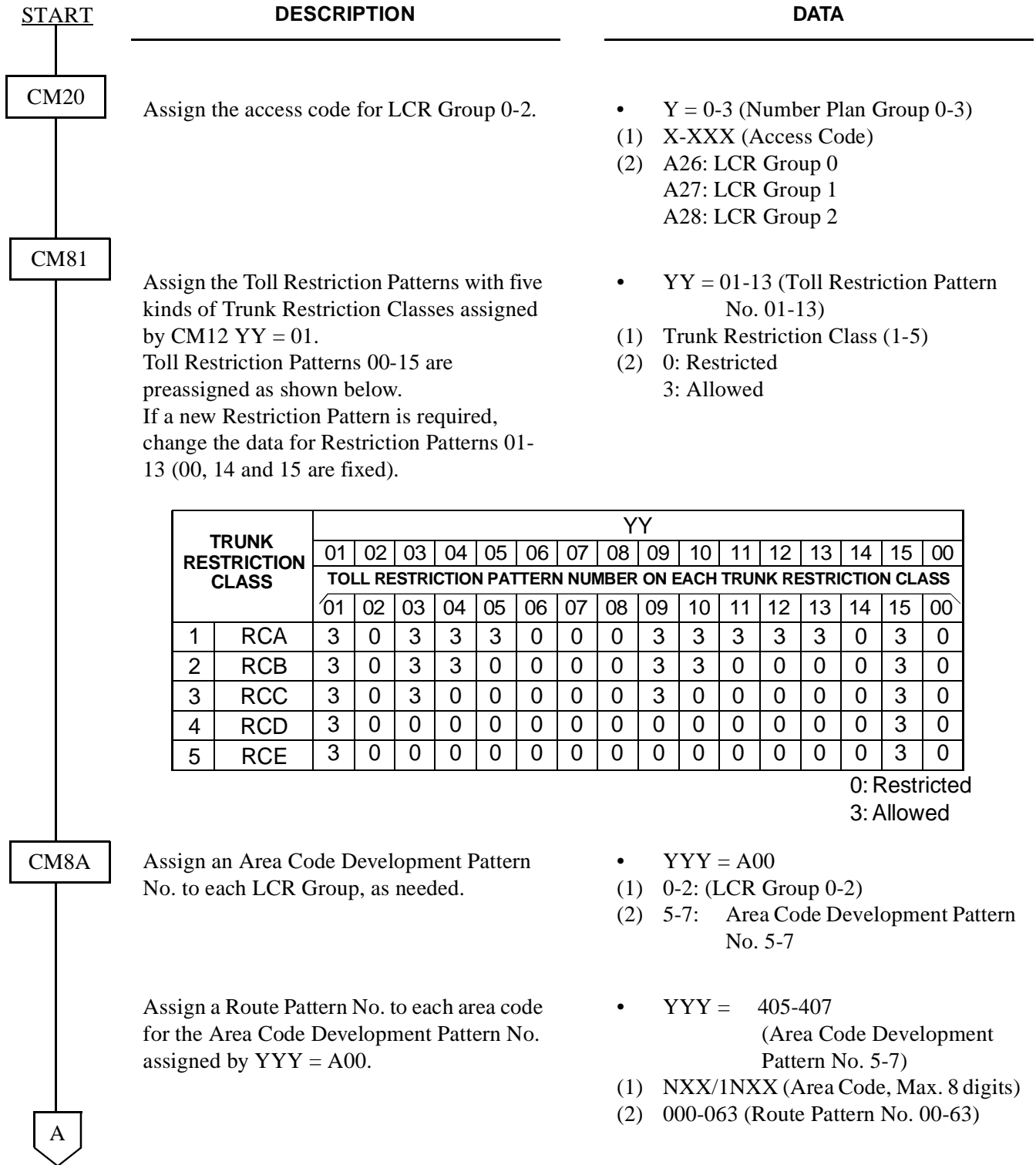
| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Provide the system with Last Number Redial.</p> <p>Specify the capability for internal calls with this feature. If the data for CM08-178 is set to "0", this feature will only be applied to outgoing calls.</p> | <ul style="list-style-type: none"> (1) 177 (2) 0: Available (1) 178 (2) 0/1 ◀ : Not available/Available |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the access code for Last Number Redial.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X - XXX: Access Code (**) (2) 069 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign the Last Number Redial or Stack Dial feature access key to each Multiline Terminal, as required.</p> <p>Refer to the Stack Dial feature for details on programming Stack Dial.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F0069: Last Number Redial F1000: Stack Dial |
| <u>END</u> | | |

To provide SN610 ATTCON with this feature (1200 Series Enhancement).

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign the Last Number Redial/Stack Dial key to each SN610 ATTCON.</p> <p>Refer to the Stack Dial feature for details on programming Stack Dial.</p> | <ul style="list-style-type: none"> • YY=00 (1) ATTCON No. + + Key No. (2) F6121: Last Number Redial/Stack Dial |
| <u>END</u> | | |

LEAST COST ROUTING-3/6-DIGIT

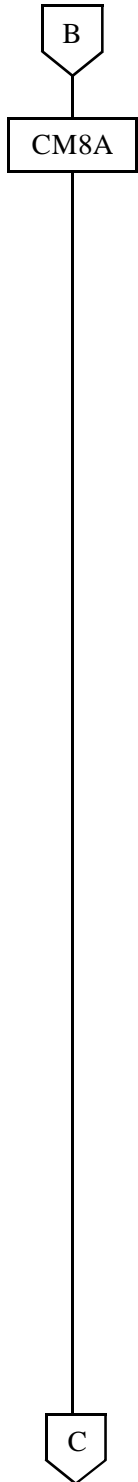
PROGRAMMING



LEAST COST ROUTING-3/6-DIGIT

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM8A</div> | <p>Specify the order of LCR selection for the Route Pattern No. assigned by YYY = 405-407.</p> <p>For area code deletion, designate the digits to be deleted.</p> <p>For area code addition, designate the digits to be added.</p> | <ul style="list-style-type: none"> • YYY = 000-063 (Route Pattern No. 00-63) <ol style="list-style-type: none"> (1) 1-4: Order of LCR Selection <ol style="list-style-type: none"> 1: 1st 2: 2nd 3: 3rd 4: 4th (2) <u>XXX XX</u> *a *b <ul style="list-style-type: none"> *a: 000-255 (LCR Pattern No. 000-255) *b: 00-63 (Trunk Route No. 00-63) • YYY = 500-755 (LCR Pattern No. 000-255) <p>To delete all digits of the area code:</p> <ol style="list-style-type: none"> (1) 151 [Deletion of all digits of the area code (NXX, 1NXX) assigned by YYY = 405-407] (2) 0: To be deleted <p>To delete the designated digit of an area code:</p> <ul style="list-style-type: none"> • YYY = 500-755 <ol style="list-style-type: none"> (1) 153 (Designation of digit to be deleted) (2) 00: No digits deleted 01: First digit deleted 10: First 10 digits deleted CCC: No digits deleted • YYY = 500-755 <ol style="list-style-type: none"> (1) 100 (Designation of digit Addition Pattern No.) (2) 00-49 (Digit Addition Pattern No. 00-49) CCC: No digit addition • YYY = 900-949 (Digit Addition Pattern No. 00-49) <ol style="list-style-type: none"> (1) 0 (2) X-X...X [Digits to be added (Max. 32 digits.)] X = 0-9, A(*), B(#), C(Fixed Pause) |
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">B</div> | | |

LEAST COST ROUTING-3/6-DIGIT



DESCRIPTION

DATA

If three-digit Toll Restriction is provided, assign the Toll Restriction Pattern No. to the LCR Pattern No.

If six-digit Toll Restriction is provided, assign the following data to the LCR Pattern No. and set up the six-digit Toll Restriction Pattern Tables.

- (1) Specify the Trunk Restriction Classes to which 6-digit Toll Restriction applies.

Example: 412 - 211
Area Code Office Code

RCA: No restrictions (three-digit TR)
RDB: 412-211 is allowed (six-digit TR)
RCC: 412-211 is allowed (six-digit TR)
RCD: 412 is restricted (three-digit TR)
RCE: 412 is restricted (three-digit TR)

| CM8A | | |
|------|------------------|------|
| YYY | TRUNK REST CLASS | DATA |
| 500 | 021 | 1 |
| | 022 | 0 |
| | 023 | 0 |
| | 024 | 1 |
| | 025 | 1 |

- (2) Assign the six-digit Toll Restriction Pattern No. to the LCR Pattern No.
- (3) Assign the Office code (three-digits) and the availability to access the office code to the six-digit Toll Restriction Pattern No. assigned by (2).

- YYY = 500-755 (LCR Pattern No. 000-255)
 - (1) 000
 - (2) 00-15 (Toll Restriction Pattern No. specified by CM81)

- YYY = 500-755 (LCR Pattern No. 000-255)
 - (1) 021-028 (Trunk Restriction Class assigned by CM12 YY = 0.)
 - 021: Unrestricted (RCA)
 - 022: Non-Restricted 1 (RCB)
 - 023: Non-Restricted 2 (RCC)
 - 024: Semi-Restricted 1 (RCD)
 - 025: Semi-Restricted 2 (RCE)
 - 026: Restricted 1 (RCF)
 - 027: Restricted 2 (RCG)
 - 028: Fully-Restricted 2 (RCH)
 - (2) 0 : 6-digit Toll Restriction Pattern
1 ◀ : 3-digit Toll Restriction Pattern as per 1st Data = 000

- YYY = 500-755
 - (1) 020
 - (2) 00-49 (6-digit Toll Restriction Pattern No. 00-49)

- YYY = 800-849 (6-digit Toll Restriction Pattern No. 00-49)
 - (1) XXX (3 digits of Office Code)
 - (2) 0/1 ◀ : Restricted/Allowed

LEAST COST ROUTING-3/6-DIGIT

| | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">C</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center;">CM8A</div> | <p>If the Prefix is to be added, assign the following data to the LCR Pattern No.</p> <p>(1) Assign the 6-digit Prefix Pattern No. to the LCR Pattern No.</p> <p>(2) Assign the office code (three digits), requiring the Prefix, to the six-digit Prefix Pattern No.</p> | <ul style="list-style-type: none"> • $YYY = 500-755$ (LCR Pattern No. 000-255) <ul style="list-style-type: none"> (1) 150 (2) 00: 6-digit Prefix Pattern No. 00 } } 49: 6-digit Prefix Pattern No. 49 50: Prefix is to be added regardless of Office Code. CCC: No Prefix • $YYY = 800-849$ <ul style="list-style-type: none"> (1) XXX (3-digit of Office Code) (2) 1◀ : Allowed |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center;">CM85</div> | <p>Specify the maximum number of digits to be dialed by the calling party.</p> <p>The maximum number of digits including the area codes should be assigned to each area code.</p> | <ul style="list-style-type: none"> • $Y = 5-7$ (Area Code Development Pattern No. 5-7 assigned by CM8A, $YYY = A00$) (1) X-X...X (Area Code dialed, Max. 8 digits) (2) 01 : 1 digit } } 24◀ : 24 digits } } 79 : 79 digits |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center;">CM35</div> | <p>Provide the Toll Restriction feature to the required trunk routes.</p> <p>Specify route access capability for each restriction class.</p> <p>Assign the Area Code Development Pattern No. for Toll Restriction and Maximum Digit Analysis to each trunk.</p> | <ul style="list-style-type: none"> • $YY = 11$ <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (00) (2) 0: To be provided • $YY = 51-55$ <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 0/1◀ : Restricted/Allowed • $YY = 76$ <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 05-07 [Area Code Development Pattern (No. 5-7)] |
| <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center;">END</div> | | |

LEAST COST ROUTING-3/6-DIGIT

To provide L.C.R. with Time of Day Routing, add the following system data programming.

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM8A</div> | <p>Assign the Date Pattern No. to each area code for the Area Code Development Pattern No. assigned by $YYY = A00$.</p> <p>Assign the Time Pattern No. to each day of the week for the Date Pattern No. assigned by $YYY = 405-407$.</p> | <ul style="list-style-type: none"> • $YYY = 405-407$ (Area Code Development Pattern No. 5-7) <ul style="list-style-type: none"> (1) X-X...X (Area Code Max. 8 digits) (2) 300-303 (Date Pattern No. 0-3) • $YYY = 300-303$ (Date Pattern No. 0-3) <ul style="list-style-type: none"> (1) 0: SUN 1: MON 2: TUE 3: WED 4: THU 5: FRI 6: SAT (2) 200-207 (Time Pattern No. 00-07) |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

LEAST COST ROUTING-3/6-DIGIT

A

CM8A

DESCRIPTION

DATA

Assign the Route Pattern No. to the required time of day for the Time Pattern No. assigned by $YYY = 300-303$.

- $YYY = 200-207$ (Time Pattern No. 00-07)
- (1) $\underline{XX} \underline{XX}$ (Time)
 $\quad \quad \quad *a \quad *b$
 $\quad \quad \quad *a$: Hours (00-23)
 $\quad \quad \quad *b$: Minutes (00/30)

To define the following Time Pattern:

- (2) 000-063 (Route Pattern No. 00-63)
 If Tenant Pattern is required, set 100-115 (Tenant Pattern No. 00-15)

| YYY | TIME (1) | ROUTE PATTERN (2) | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------------------|--------------------|------|---|------|---|----------------------------|---|------|---|---|---|------|---|------|--------------------|------|---|---|---|------|---|----------------------------|
| 200 (Time Pattern No. 00) | <table style="border: none;"> <tr> <td style="border: none;">0000</td> <td style="border: none;">} 12:00 PM-8:00 AM</td> </tr> <tr> <td style="border: none;">0030</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">0100</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">0130</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">0200</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">}</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">0730</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">2000</td> <td style="border: none;">} 8:00 PM-12:00 PM</td> </tr> <tr> <td style="border: none;">2030</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">}</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">2330</td> <td style="border: none;">}</td> </tr> </table> | 0000 | } 12:00 PM-8:00 AM | 0030 | } | 0100 | } | 0130 | } | 0200 | } | } | } | 0730 | } | 2000 | } 8:00 PM-12:00 PM | 2030 | } | } | } | 2330 | } | 000 (Route Pattern No. 00) |
| 0000 | } 12:00 PM-8:00 AM | | | | | | | | | | | | | | | | | | | | | | | |
| 0030 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 0100 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 0130 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 0200 | } | | | | | | | | | | | | | | | | | | | | | | | |
| } | } | | | | | | | | | | | | | | | | | | | | | | | |
| 0730 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | } 8:00 PM-12:00 PM | | | | | | | | | | | | | | | | | | | | | | | |
| 2030 | } | | | | | | | | | | | | | | | | | | | | | | | |
| } | } | | | | | | | | | | | | | | | | | | | | | | | |
| 2330 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 200 (Time Pattern No. 00) | <table style="border: none;"> <tr> <td style="border: none;">0800</td> <td style="border: none;">} 8:00 PM-8:00 PM</td> </tr> <tr> <td style="border: none;">0830</td> <td style="border: none;">}</td> </tr> <tr> <td style="border: none;">1930</td> <td style="border: none;">}</td> </tr> </table> | 0800 | } 8:00 PM-8:00 PM | 0830 | } | 1930 | } | 001 (Route Pattern No. 01) | | | | | | | | | | | | | | | | |
| 0800 | } 8:00 PM-8:00 PM | | | | | | | | | | | | | | | | | | | | | | | |
| 0830 | } | | | | | | | | | | | | | | | | | | | | | | | |
| 1930 | } | | | | | | | | | | | | | | | | | | | | | | | |

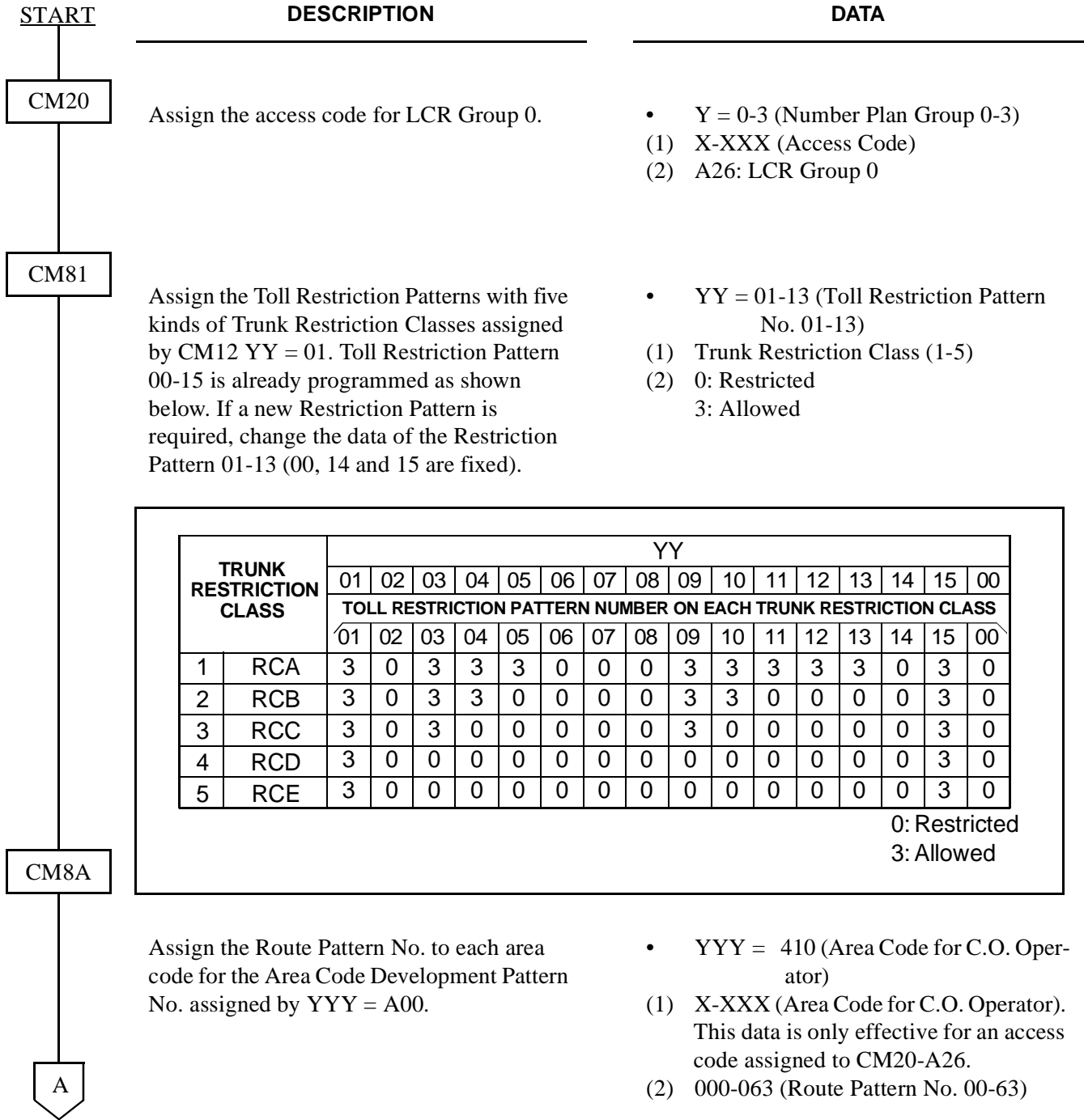
If the Tenant Pattern No. is assigned by $YYY = 200-207$, assign the Route Pattern No. to the required Tenant No. for the Tenant Pattern No.

- $YYY = 100-115$ (Tenant Pattern No. 00-15)
- (1) 00-63 (Tenant No. 00-63)
- (2) 000-063 (Route Pattern No. 00-63)

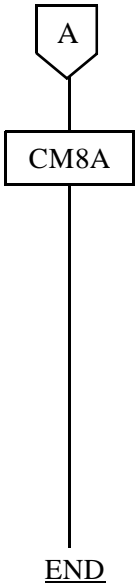
END

LEAST COST ROUTING-3/6-DIGIT

To provide C.O. operator call with LCR, assign the following system data.



LEAST COST ROUTING-3/6-DIGIT



| DESCRIPTION | DATA |
|--|---|
| <p>Assign the 1st order of LCR selection for the Route Pattern No. assigned by YYY = 410.</p> <p>Assign the Toll Restriction Pattern No. to the LCR Pattern No. assigned by YYY = 410.</p> | <ul style="list-style-type: none"> • YYY = 000-063 (Route Pattern No. 00-63) <ol style="list-style-type: none"> (1) 1: 1st order of LCR selection (2) $\frac{XXX}{*a} \frac{XX}{*b}$ <ul style="list-style-type: none"> *a: 000-255 (LCR Pattern No. 000-255) *b: 00-63 (Trunk Route No. 00-63) • YYY = 500-755 (LCR Pattern No. 000-255) <ol style="list-style-type: none"> (1) 000 (2) 00-13, 15 (Toll Restriction Pattern No. specified by CM81) |

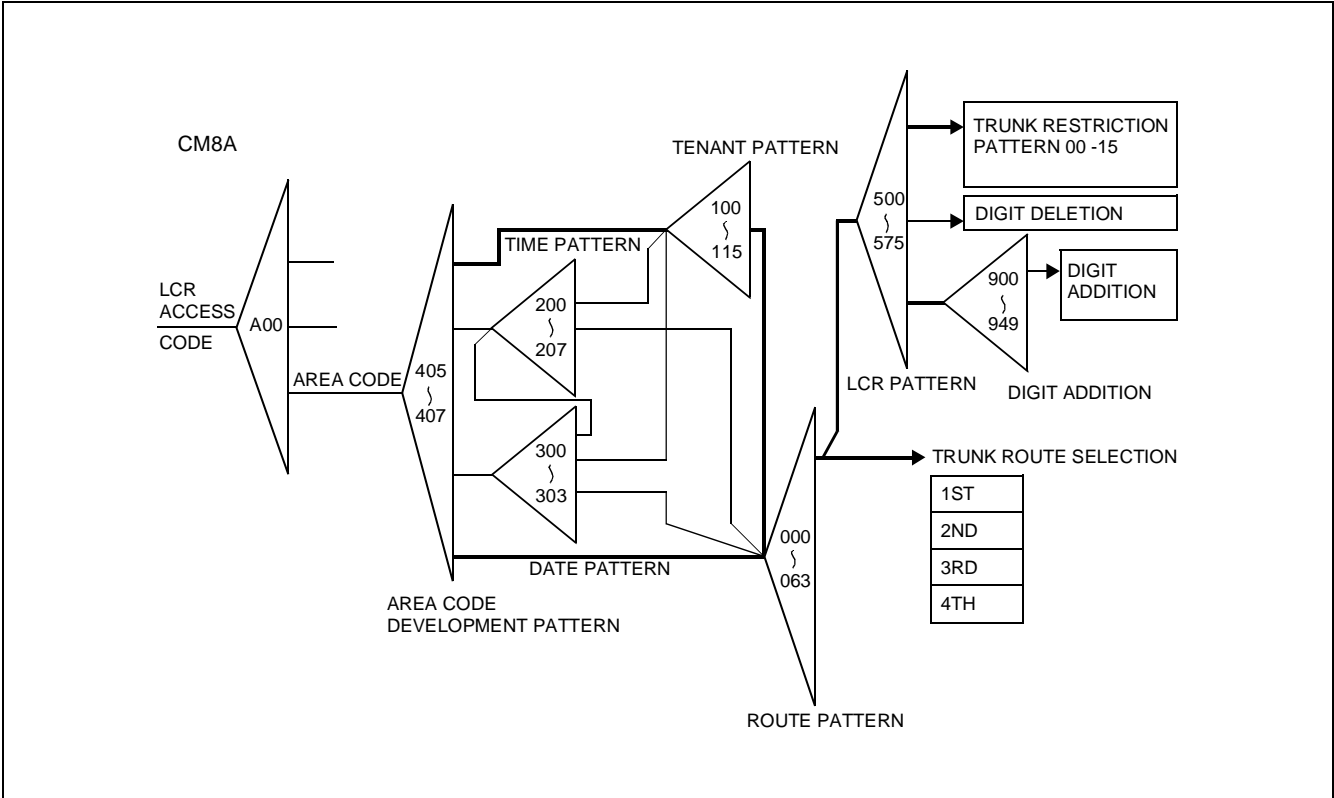
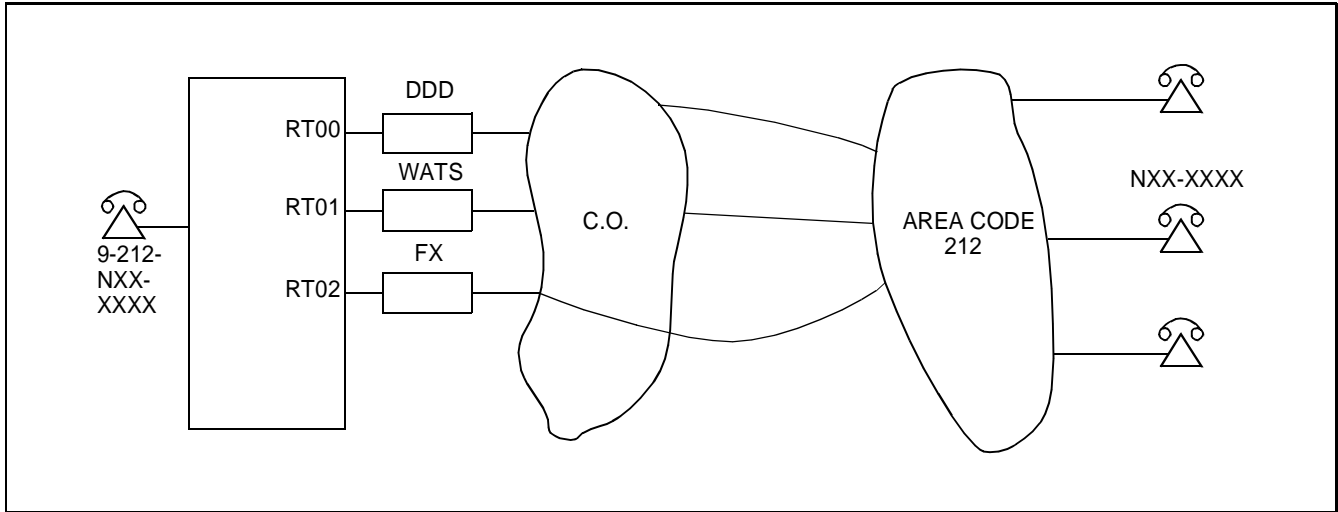


Figure 2-1 LCR Development Sequence

LEAST COST ROUTING-3/6-DIGIT

Example:



Conditions:

- (1) Order of LCR Selection:
 - 1st... Route 02 (FX)
 - 2nd... Route 01 (WATS)
 - 3rd... Route 00 (DDD)

- (2) Dialed Number:
 - 9 – 212 – NXX – XXXX
 - *a *b *c *d

- *a: Access Code
- *b: Area Code
- *c: Office Code
- *d: Telephone Number

- (3) Toll Restriction Pattern:

| ROUTE \ CLASS | RCA | RCB | RCC | RCD | RCE |
|---------------|-----|-----|-----|-----|-----|
| 00 | – | – | – | – | – |
| 01 | – | – | – | × | × |
| 02 | – | – | × | × | × |

–: Allowed
 ×: Restricted

LEAST COST ROUTING-3/6-DIGIT

Programming for **Example 1:**

Step 1: Assign “9” to the access code of LCR Group 0 in Numbering Plan Group 0.

[ST] + 200 + [DE] + 9 + [DE] + A26 + [EXE]

Step 2: Assign Area Code Development Pattern No. 5 to LCR Group 0.

[ST] + 8AA00 + [DE] + 0 + [DE] + 5 + [EXE]

Step 3: Assign Route Pattern No. 00 to area code (212) for Area code Development Pattern No. 5.

[ST] + 8A405 + [DE] + 212 + [DE] + 000 + [EXE]

Step 4: In Route Pattern No. 00, specify the order of LCR selection as shown below.

1st: Route 02 (FX)

[ST] + 8A000 + [DE] + 1 + [DE] + 000 02 + [EXE]
└──────────────────────────────────┘ LCR Pattern No. 000

2nd: Route 01 (WATS)

[ST] + 8A000 + [DE] + 2 + [DE] + 001 01 + [EXE]
└──────────────────────────────────┘ LCR Pattern No. 001

3rd: Route 00 (DDD)

[ST] + 8A000 + [DE] + 3 + [DE] + 002 00 + [EXE]
└──────────────────────────────────┘ LCR Pattern No. 002

Step 5: In LCR Pattern No. 000 (for FX), delete the area code dialed.

[ST] + 8A500 + [DE] + 151 + [DE] + 0 + [EXE]
└──────────────────────────────────┘ LCR Pattern No. 000 └──┘ To be deleted

Step 6: Assign the Toll Restriction Pattern to each Route (LCR Pattern No.)

For LCR Pattern No. 000 (Route 02):

[ST] + 8A500 + [DE] + 000 + [DE] + 10 + [EXE]
└──────────────────────────────────┘ Toll Restriction Pattern No. specified by CM81.

For LCR Pattern No. 001 (Route 01):

[ST] + 8A501 + [DE] + 000 + [DE] + 09 + [EXE]

For LCR Pattern No. 002 (Route 00):

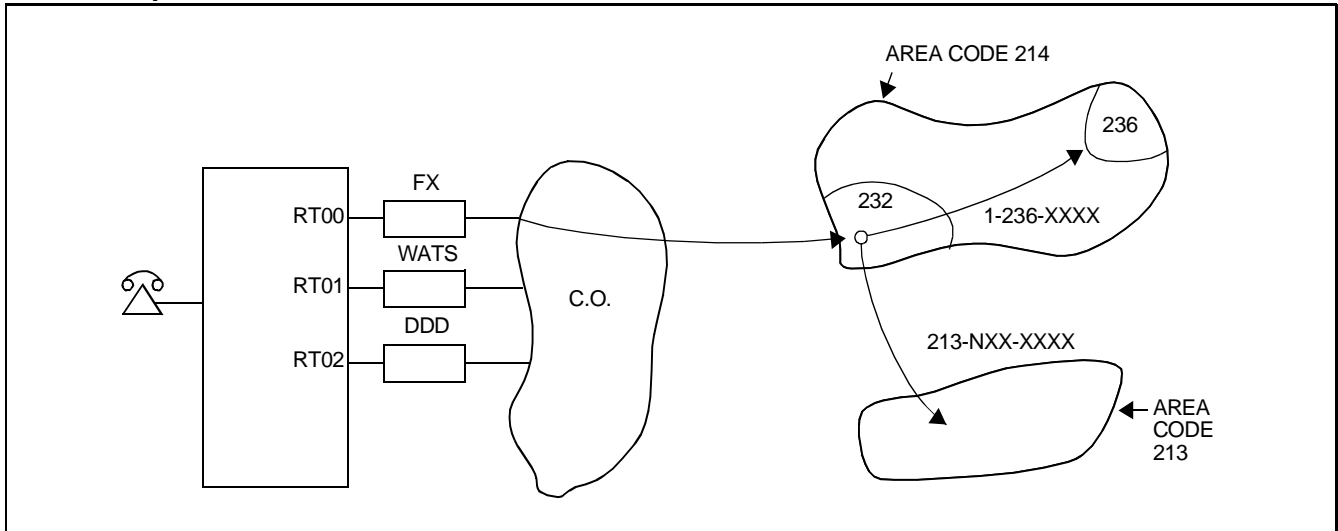
[ST] + 8A502 + [DE] + 000 + [DE] + 01 + [EXE]

Step 7: Assign the maximum number of digits dialed.

[ST] + 855 + [DE] + 212 + [DE] + 10 + [EXE]
└── Area Code Development Pattern No. 5 └── Area Code └── 10 digits (including the area code)

LEAST COST ROUTING-3/6-DIGIT

Example:



Conditions:

- (1) Order of LCR Selection:
 - 1st... Route 02 (FX)
 - 2nd... Route 01 (WATS)
 - 3rd... Route 00 (DDD)
- (2) Dialed Number:
 - 9-214-232/236-XXXX
 - Note: 236 is a Toll Office.
 - 9-213-NXX-XXXX
- (3) Toll Restriction Pattern:

| ROUTE \ CLASS | Toll Restriction Pattern | | | | | |
|---------------|--------------------------|-----------|-----------|-----|-----|--|
| | RCA | RCB | RCC | RCD | RCE | |
| 00 | - | - | - | - | - | |
| 01 | - | - | - Note | × | × | |
| 02 | - | - Note | × | × | × | |

Note: Area Code 213 is restricted.

LEAST COST ROUTING-3/6-DIGIT

Programming for **Example 2:**

Step 1: Assign “9” to the access code of LCR Group 0 in Numbering Plan Group 0.

$\boxed{\text{ST}} + 200 + \boxed{\text{DE}} + 9 + \boxed{\text{DE}} + \text{A26} + \boxed{\text{EXE}}$

Step 2: Assign Area Code Development Pattern No. 5 to LCR Group 0.

$\boxed{\text{ST}} + 8\text{AA}00 + \boxed{\text{DE}} + 0 + \boxed{\text{DE}} + 5 + \boxed{\text{EXE}}$

Step 3: Assign Route Pattern Nos. 00 and 01 to area codes 214 and 213 respectively.

$\boxed{\text{ST}} + 8\text{A}405 + \boxed{\text{DE}} + 214 + \boxed{\text{DE}} + \underbrace{000}_{\text{Route Pattern No. 00}} + \boxed{\text{EXE}}$

$\boxed{\text{ST}} + 8\text{A}405 + \boxed{\text{DE}} + 213 + \boxed{\text{DE}} + \underbrace{001}_{\text{Route Pattern No. 01}} + \boxed{\text{EXE}}$

Step 4: Specify the order of LCR selection to each Route Pattern.

For Route Pattern 00:

1st: Route 00 (FX)

$\boxed{\text{ST}} + 8\text{A}000 + \boxed{\text{DE}} + 1 + \boxed{\text{DE}} + \underbrace{000\ 00}_{\text{LCR Pattern No. 000}} + \boxed{\text{EXE}}$

2nd: Route 01 (WATS)

$\boxed{\text{ST}} + 8\text{A}000 + \boxed{\text{DE}} + 2 + \boxed{\text{DE}} + \underbrace{001\ 01}_{\text{LCR Pattern No. 001}} + \boxed{\text{EXE}}$

3rd: Route 02 (DDD)

$\boxed{\text{ST}} + 8\text{A}000 + \boxed{\text{DE}} + 3 + \boxed{\text{DE}} + \underbrace{002\ 02}_{\text{LCR Pattern No. 002}} + \boxed{\text{EXE}}$

For Route Pattern 01:

1st: Route 00 (FX)

$\boxed{\text{ST}} + 8\text{A}001 + \boxed{\text{DE}} + 1 + \boxed{\text{DE}} + \underbrace{003\ 00}_{\text{LCR Pattern No. 003}} + \boxed{\text{EXE}}$

2nd: Route 01 (WATS)

$\boxed{\text{ST}} + 8\text{A}001 + \boxed{\text{DE}} + 2 + \boxed{\text{DE}} + \underbrace{004\ 01}_{\text{LCR Pattern No. 004}} + \boxed{\text{EXE}}$

3rd: Route 02 (DDD)

$\boxed{\text{ST}} + 8\text{A}001 + \boxed{\text{DE}} + 3 + \boxed{\text{DE}} + \underbrace{005\ 02}_{\text{LCR Pattern No. 005}} + \boxed{\text{EXE}}$

LEAST COST ROUTING-3/6-DIGIT

————— TOLL RESTRICTION —————

| AREA CODE | ROUTE PATTERN No. | ORDER OF LCR | ROUTE | LCR PATTERN No. | RCA | RCB | RCC | RCD | RCE |
|-----------|-------------------|--------------|-------|-----------------|-----|-----|-----|-----|-----|
| 214 | 00 | 1st | 00 | 000 | — | — | — | — | — |
| | | 2nd | 01 | 001 | — | — | — | × | × |
| | | 3rd | 02 | 002 | — | — | × | × | × |
| 213 | 01 | 1st | 00 | 003 | — | — | — | — | — |
| | | 2nd | 01 | 004 | — | — | × | × | × |
| | | 3rd | 02 | 005 | — | × | × | × | × |

—: Allowed
×: Restricted

Step 5: In LCR Pattern Nos. 000 and 003, delete the area code dialed.

ST + 8A500 + DE + 151 + DE + 0 + EXE
└─ LCR Pattern No. 000 └─ To be deleted

ST + 8A503 + DE + 151 + DE + 0 + EXE
└─ LCR Pattern No. 003 └─ To be deleted

Step 6: Assign the Toll Restriction Pattern to each LCR Pattern No. For LCR Pattern No. 000:

ST + 8A500 + DE + 000 + DE + 01 + EXE
└─ LCR Pattern No. 000 └─ Toll Restriction Pattern No. specified by CM81.

For LCR Pattern No. 001:

ST + 8A501 + DE + 000 + DE + 03 + EXE

For LCR Pattern No. 002:

ST + 8A502 + DE + 000 + DE + 04 + EXE

For LCR Pattern No. 003:

ST + 8A503 + DE + 000 + DE + 01 + EXE

For LCR Pattern No. 004:

ST + 8A504 + DE + 000 + DE + 04 + EXE

For LCR Pattern No. 005:

ST + 8A505 + DE + 000 + DE + 05 + EXE

LEAST COST ROUTING-3/6-DIGIT

Step 7: In LCR Pattern No. 000, designate the prefix “1”, in addition to the office code 236, by the six-digit Prefix Pattern.

- Designation of 6-digit Prefix Pattern No.

$\boxed{\text{ST}} + 8\text{A}500 + \boxed{\text{DE}} + 150 + \boxed{\text{DE}} + \underbrace{00}_{\text{6-digit Prefix Pattern No. 00}} + \boxed{\text{EXE}}$

- Designation of office code requiring Prefix Pattern.

$\boxed{\text{ST}} + 8\text{A}\underbrace{800}_{\text{6-digit Prefix Pattern No. 00}} + \boxed{\text{DE}} + 236 + \boxed{\text{DE}} + 1 + \boxed{\text{EXE}}$

Step 8: Assign the maximum number of digits dialed.

$\boxed{\text{ST}} + 855 + \boxed{\text{DE}} + \underbrace{21}_{\text{Area Code}} + \boxed{\text{DE}} + \underbrace{10}_{\text{10 digits}} + \boxed{\text{EXE}}$
Area Code Develop-

LINE LOCKOUT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM08 | Provide the system with Howler Tone sent to locked-out stations, if required. | (1) 153 (2) 0/1 ◀ : Not provide/Provide |
| CM13 | If Howler Tone is provided (CM08-153 = 1), set this feature to the required stations. | <ul style="list-style-type: none"> • YY = 04 (1) X-XXXX (Station No.) (2) 1 ◀ : Provide |
| CM41 | Specify the timing for Line Lockout. | <ul style="list-style-type: none"> • Y = 0 (1) 22 (2) 01-08: 4-32 sec. in 4 sec. increments If no data is set, the default setting is 28-32 seconds. |
| CM42 | Specify the number of stations in Line Lockout to give a MN alarm. | (1) 01 (2) 01-99: Number of Lockout Stations If no data is set, no Lockout Alarm Display functions. |
| <u>END</u> | | |

LINE PRESELECTION

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">CM08</div> | Specify the operation of Line Preselection on a Multiline Terminal. | (1) 199 (2) 0 : Only desired line key. 1 ◀ : SPKR key is required after pressing the desired line key. |
| <u>END</u> | | |

MAINTENANCE ADMINISTRATION TERMINAL (MAT)

PROGRAMMING

To provide password service for the MAT:

| START | DESCRIPTION | DATA |
|-------|--|--|
| START | | |
| CME7 | Specify the command codes accessible to each Password Level. | <ul style="list-style-type: none"> • YY = 00: Password Level 0-6 • YY = 01: Password Level 1-6 • YY = 02: Password Level 2-6 • YY = 03: Password Level 3-6 • YY = 04: Password Level 4-6 • YY = 05: Password Level 5-6 • YY = 06: Password Level 6 • YY = 10: Password Level 0 • YY = 11: Password Level 1 • YY = 12: Password Level 2 • YY = 13: Password Level 3 • YY = 14: Password Level 4 • YY = 15: Password Level 5 • YY = 16: Password Level 6 <p>(1) <u>XX</u> *a *a: 00-FF (Command Codes exclusive of 03, E7, E9)</p> <p>(2) 0/1 ◀ : Allowed/Restricted</p> |
| CME9 | <p>Enable the system to change the password.</p> <p>Assign a password to each Password Level.</p> | <p>(1) 8</p> <p>(2) 0◀ : Allowed</p> <p>(1) 0-7 (Password Level 0-7)</p> <p>(2) X-X...X (Max. 8 digits Password Code) A password code for Password Level 7 should be assigned in advance because of providing the password service by Function No. 9 of CME9. The following passwords are not available. “CCCCCCCC” “FFFFFFFF”</p> |
| | Provide the system with Password Service. After setting this data, access to system programming is only available with password entry. | <p>(1) 9</p> <p>(2) 0: Provided</p> |
| END | | |

MAINTENANCE ADMINISTRATION TERMINAL (MAT)

Note: *If the Password Service is provided, enter a password predetermined by CM03 before programming from the MAT.*

ST + 03 + **DE** + Password Level No. (0-7) + **DE** + Password + **EXE**

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

MAT: FAULT MESSAGE

PROGRAMMING

Refer to the Maintenance Manual.

MAT: PEG COUNT

PROGRAMMING

Refer to the Command Manual. (Command Code: B0, B3)

MAT: REMOVE AND RESTORE

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">CME5</div> | Set or cancel make-busy to stations and trunks. | <ul style="list-style-type: none">• Y = 0<ul style="list-style-type: none">(1) X-XXXX: Station Number.(2) 0: Make-busy Set1◀ : Make-busy cancel • Y = 1<ul style="list-style-type: none">(1) 000-255: Trunk Number(2) 0 : Make-busy Set1◀ : Make-busy cancel |
| <u>END</u> | | |

MAT: STATION/TRUNK STATUS

PROGRAMMING

Refer to the Maintenance Manual.

MESSAGE CENTER INTERFACE (MCI)

PROGRAMMING

Refer to the Message Center Interface (MCI) System Manual.

MESSAGE REMINDER

PROGRAMMING

To provide Message Reminder service for each station:

| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | MSG Display. | (1) 025 (2) 0/1◀ : MSG (only) /MSGX (X: No. of messages) |
| | To activate the Single-Digit Feature Access Code (1, 2, 3 and 6) feature, set the data for 050, 051, 069 and 148 to "1." | (1) 050: *Button as Switch Hook-Flash. (2) 1◀ : Ineffective (1) 051: #Button as Switch Hook Flash. (2) 1◀ : Ineffective (1) 069 : Single-Digit Dialing/on BT Connection (2) 1◀ : Step Call (1) 148: Same Last-Digit Redialing on BT Connection (2) 1◀ : Ineffective |
| | Provide the system with the Single-Digit Feature Access Code on RBT (or Voice Call Connection). | (1) 156 (2) 0: Available |
| | Provide the system with the Single-Digit Feature Access Code on busy Connection. | (1) 208 (2) 0: Available |
| | Provide the system with the automatic cancel of Message Reminder while the called station rings. | (1) 234 (2) 0/1◀ : To be provided/Not to be provided |
| | Specify the Automatic Cancel of Message Reminder when the desired station answers. | (1) 235 (2) 0/1◀ : To be provided/Not to be provided |
| | Specify the sending of Special Dial Tone (SDT) for SN610 ATTCOM or station when dialing a feature access code. | (1) 236 (2) 0/1◀ : Tone is not sent/Tone is sent |
| | Specify the time display for Message Reminder service on Multiline Terminals with an LCD. | (1) 280 (2) 0/1◀ : 24-Hour/12-Hour |
| | Specify the Message Waiting Lamp indication on the Multiline Terminal to which Message Reminder is set. | (1) 294 (2) 0/1◀ : Flashing (60 IPM)/Lit steady |



MESSAGE REMINDER

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM13 | Provide the Message Reminder service for each station. | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX: Station No. (2) 0: To be provided (for stations with MW lamp or Multiline Terminals with LCD) <li style="padding-left: 20px;">1 ◀ : Not Provided |
| CM12 | Assign the Class of Service for Message Reminder (Setting Side)/Message Reminder (Set Side). | <ul style="list-style-type: none"> • CM12 YY = 02 (Service Rest. Class A) (1) X-XXXX: Station Number (2) <u>XX</u> XX <li style="padding-left: 20px;">*a <li style="padding-left: 20px;">*a: Service Restriction Class (A) <li style="padding-left: 40px;">(00-15 ◀) |
| CM15 | | |
| CM20 | Assign the access code for Message Reminder Search, Retrieve, Set, or Cancel. | <ul style="list-style-type: none"> • Y = 0-3 Numbering Plan Group (0-3) (1) X-XXX: Access Code (*9, #9) (2) A46: Message Reminder Search <li style="padding-left: 20px;">A47: Message Reminder Retrieve <li style="padding-left: 20px;">A48: Message Reminder Set <li style="padding-left: 20px;">A49: Message Reminder Cancel |
| CM90 | Assign the MSG key to each Multiline Terminal. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + . + Key No. (2) F1005 |
| <u>END</u> | | |

HARDWARE REQUIRED

For providing the Single-Line Telephone with Message-Waiting Lamp:

- PN-4LCD card × n/4 (n: Number of Telephone sets equipped with MW Lamp)

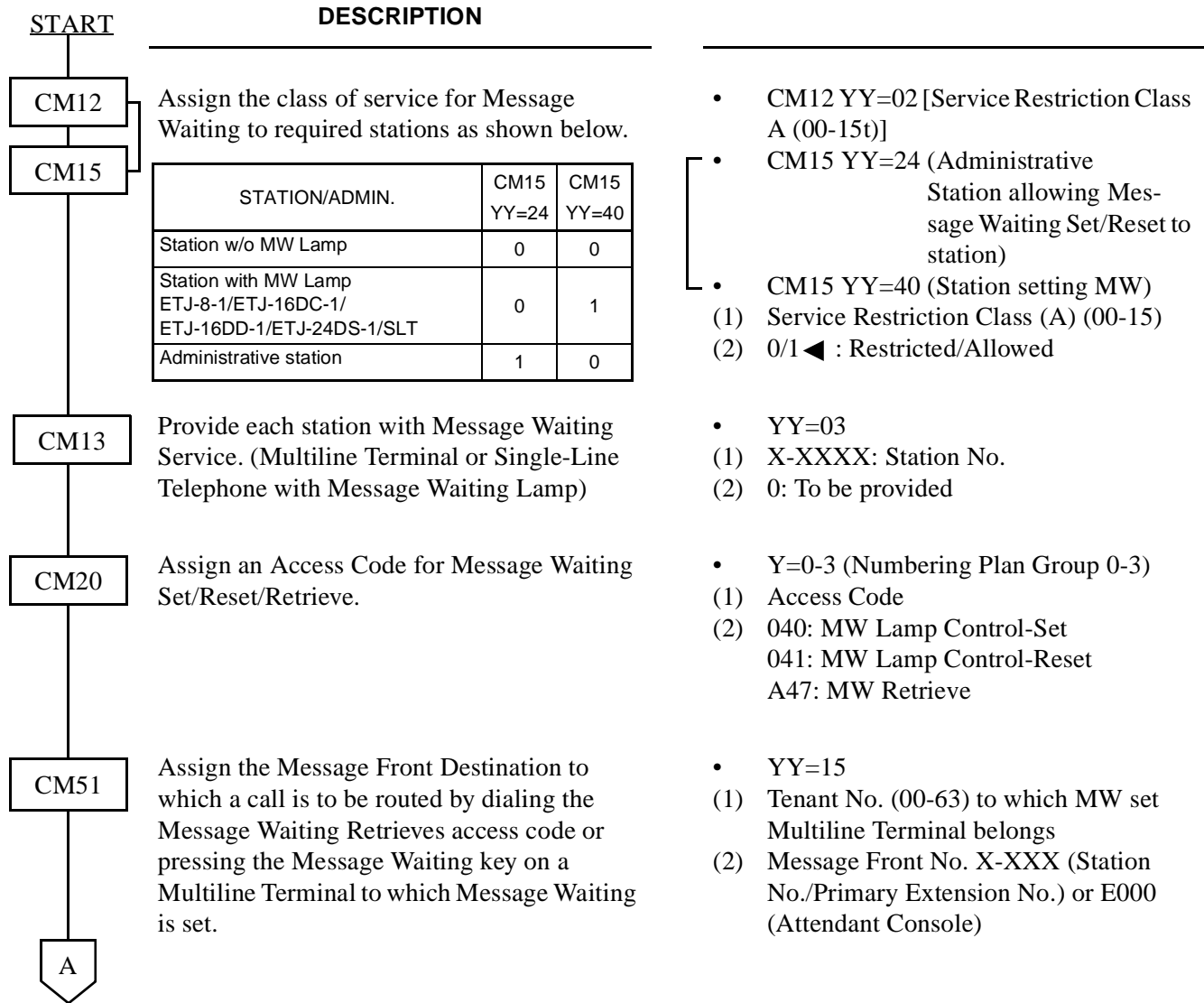
For providing Multiline Terminal

- ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

MESSAGE WAITING

PROGRAMMING

Refer to the DSS/BLF Console feature to program the DSS/BLF as a Message Front Station.



| A | DESCRIPTION | |
|------------|---|--|
| CM08 | <p>If an ATTCON is assigned as the Message Front destination by CM51 YY=15, set the data for 233 to 0. With this setting, Message Waiting is automatically reset when the ATTCON answers.</p> | <p>(1) 233 (2) 0</p> |
| | <p>To reset the Message Waiting indication while the Message Front Station rings by dialing the MW Retrieve/Search access code or pressing the MW key on a Multiline Terminal, set the data for 234 to 0.</p> | <p>(1) 234 (2) 0</p> |
| | <p>To reset the Message Waiting indication when the set station answers a second call from the Message Front Station, set the data for 235 to 0.</p> | <p>(1) 235 (2) 0</p> |
| CM90 | <p>Assign the Message Waiting function key to the Multiline Terminal and the administrative station, if provided.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + <input type="text"/> + Key No. (2) For administrative station F0040: Message Waiting Set F0041: Message Waiting Reset For station without MW Lamp F1005: Message Waiting Lamp |
| CM48 | <p>Select the Dial Tone on Setting Message Waiting. (1300 Series Enhancement)</p> | <ul style="list-style-type: none"> • Y=2 (1) 12 (Dial Tone on Setting Message Waiting) (2) 0: Special Dial Tone (Stutter Dial Tone) 1◀ : Dial Tone |
| <u>END</u> | <p>INITIAL</p> | |

HARDWARE REQUIRED

To provide a Single-Line Telephone with the Message Waiting Lamp:

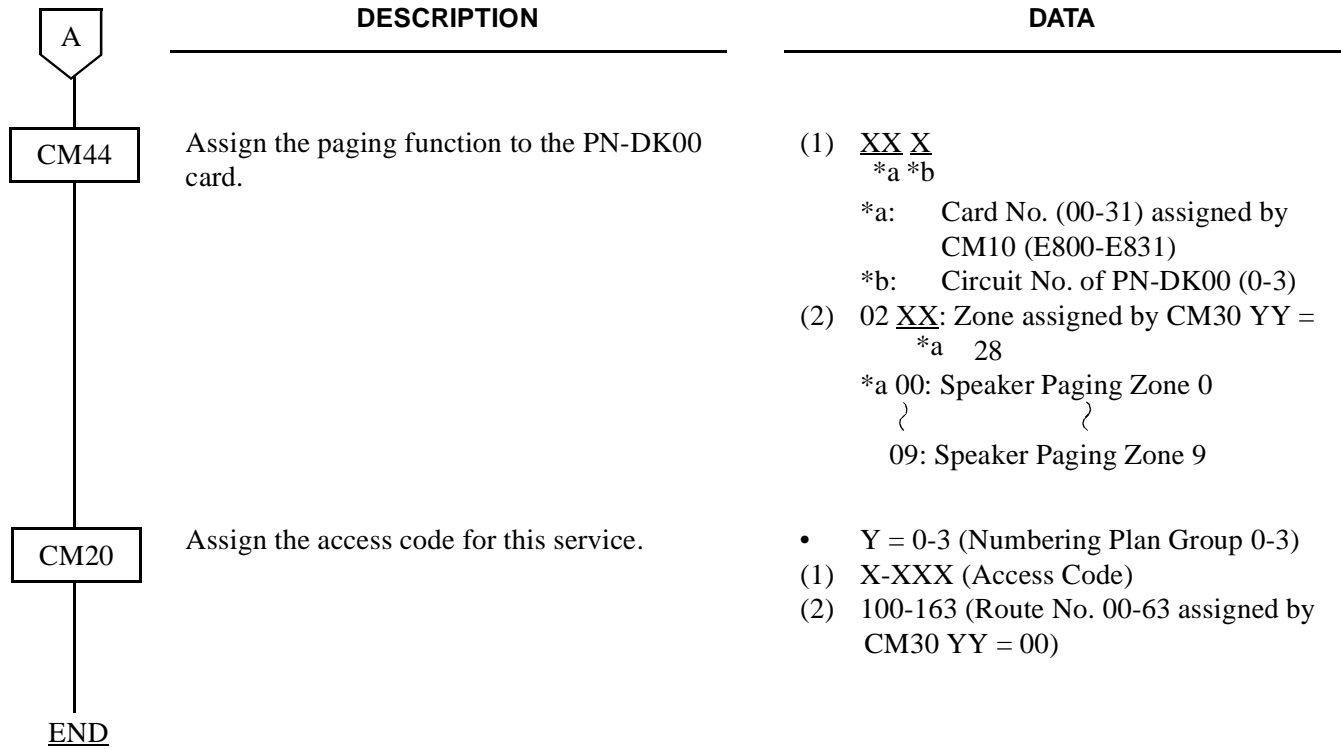
- PN-4-LCD Card

MISCELLANEOUS TRUNK ACCESS: CODE CALLING EQUIPMENT ACCESS

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | <p>Assign the interface trunk (PN-4COT and/ PN-DK00) to the required LEN.</p> <p>Note: <i>The PN-DK00 Card No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2).</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) D000-D255: PN-4COT E800-E831: PN-DK00 E800-E807: For PIM0/1 E808-E815: For PIM2/3 E816-E823: For PIM4/5 E824-E831: For PIM6/7 |
| CM30 | Assign the trunk data to the Trunk Number. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) <ul style="list-style-type: none"> (1) Trunk No. (2) Route No. (A dedicated route number for this service should be assigned.) • YY = 01 (Tenant Allocation) <ul style="list-style-type: none"> (1) Trunk No. (2) Tenant No. (00-63) |
| CM35 | Assign the route data to the trunk route specified by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 (Kind of Route) <ul style="list-style-type: none"> (1) Route No. (00-63) (2) 05 • YY = 01 (Type of Signal to be sent out.) <ul style="list-style-type: none"> (1) Route No. (00-63) (2) 2: DP 4: DTMF • YY = 08 (Dial Pulse Sending) <ul style="list-style-type: none"> (1) Route No. (00-63) (2) 3◀ : To be sent |
| A | | |

MISCELLANEOUS TRUNK ACCESS: CODE CALLING EQUIPMENT ACCESS



Note: For assigning the Class of Service for this feature, refer to *CLASS OF SERVICE*.

MISCELLANEOUS TRUNK ACCESS: DICTATION EQUIPMENT ACCESS

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | Assign the Trunk Number to the required LEN. | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) Trunk No. (D000-D255) |
| CM30 | Assign the Trunk data to the Trunk Number. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Trunk Route No. (00-63) (Dedicated route number for this service should be assigned) • YY = 01 (Tenant Allocation) <ul style="list-style-type: none"> (1) Trunk No. (000-255) (2) Tenant No. (00-63) |
| CM35 | Assign the route data to the trunk route specified by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 (Kind of Route) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 05 • Y = 01 (Type of Signal to be sent out) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 4: DTMF • YY = 08 (Dial Pulse Sending) <ul style="list-style-type: none"> (1) Trunk Route No. (00-63) (2) 3◀ : To be sent |
| CM20 | Assign the access code for this service. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ul style="list-style-type: none"> (1) X-XXX (Access Code) (2) 100-163 (Route No. 00-63 assigned CM30 YY = 00) |
| END | | |

Note: For assigning the Class of Service for this feature, refer to CLASS OF SERVICE.

MISCELLANEOUS TRUNK ACCESS: FOREIGN EXCHANGE (FX) ACCESS

PROGRAMMING



In addition to the programming of Direct Outward Dialing, assign an FX line to the required trunk routes as shown below:

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM35 | Assign an FX line to the required trunk route. | <ul style="list-style-type: none">• YY = 00(1) Trunk Route No. (00-63)(2) 01: FX line |
| END | | |

Note: For assigning the Class of Service for this feature, refer to *CLASS OF SERVICE*.

MISCELLANEOUS TRUNK ACCESS: RADIO PAGING EQUIPMENT ACCESS

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM10 | Assign the trunk used for interfacing with the Radio Paging Equipment to the required LEN. | (1) LEN (0000-0511) (2) Trunk No. (D000-D255) |
| CM12 | Assign the Class of Service for Paging Access to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class A (00-15 ◀)] • CM15 YY = 08 (1) Service Rest. Class A (00-15) assigned by CM12 YY = 02 (2) 1 ◀ : Allowed |
| CM15 | | |
| CM41 | Specify the timing for canceling the Paging Answer capability. | <ul style="list-style-type: none"> • Y = 0 (1) 20 (2) 01-15: 60-900 sec. in 60 sec. increments If no data is set, the default setting is 300 seconds. |
| CM08 | Specify the conditions for Radio Paging Access. | (1) 094: Paging Access Tone (2) 0: To be sent out (1) 095: Hooking Signal to Radio Paging Equipment (2) 0/1 ◀ : Allowed/Restricted (1) 149: Automatic Call Back when paging station is busy through non-delay operation (2) 0/1 ◀ : Available/Not Available (1) 157: Access Code for Paging Access and Answer (2) 0/1 ◀ : Same/Different (1) 162: Multiple Radio Paging Access after accessing a radio paging trunk with delay type Radio Paging (2) 0/1 ◀ : Not Available/Available |
| | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>When CM08-157:1 (Different)</p> </div> <div style="text-align: center;">  <p>When CM08-157:0 (Same)</p> </div> </div> | |

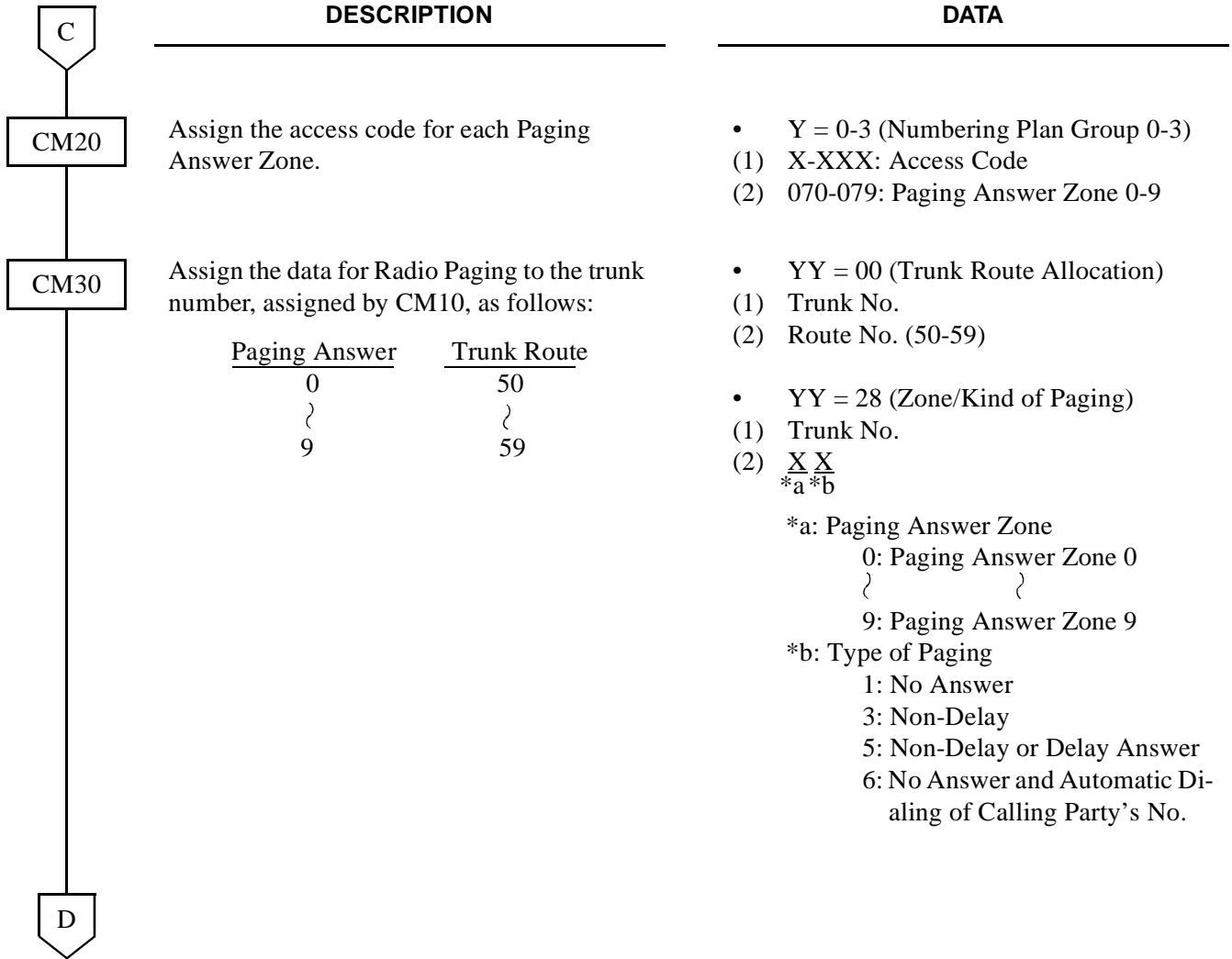
MISCELLANEOUS TRUNK ACCESS: RADIO PAGING EQUIPMENT ACCESS

| A | DESCRIPTION | DATA |
|------|---|---|
| CM20 | Assign the access code for Paging Access and Answer. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 100-163: For Paging Access (Route 00-63) 070-079: For Paging Answer (Paging Answer Zone 0-9) |
| CM30 | Assign the data for Radio Paging to the desired trunk number. | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) (1) Trunk No. (2) Route No. (00-63) <ul style="list-style-type: none"> • YY = 28 (Zone/Kind of Paging) (1) Trunk No. (2) $\frac{X}{*a} \frac{X}{*b}$ <p>*a: Paging Answer Zone</p> <p>0: Paging Answer Zone 0 { }</p> <p>9: Paging Answer Zone 9</p> <p>*b: Type of Paging</p> <p>1: No Answer 3: Non-Delay Answer 5: Non-Delay or Delay Answer 6: No Answer and Automatic Dialing of Calling Party's No.</p> |
| B | | |

MISCELLANEOUS TRUNK ACCESS: RADIO PAGING EQUIPMENT ACCESS

| B | DESCRIPTION | DATA |
|------|---|---|
| CM35 | Assign the route data to the route number assigned by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) Route No. (00-63)(07) (2) 05 • YY = 08 (Dial Sending to Radio Paging Equipment) <ol style="list-style-type: none"> (1) Route No. (00-63) (2) 3◀ : Dial Pulses are sent out • YY = 13 (Max. number of sending digits) <ol style="list-style-type: none"> (1) Route No. (00-63) (2) 000: Unlimited 001: 1 digit of Radio No. and calling { Station number. 004: 4 digits of Radio No. and calling Station number. 005: } 2 digits of Radio Paging { No. and calling Station 031: } number. Note:] |
| C | | <p>Note: To send a calling station number automatically, the data for CM30 YY = 28 must be set to "X6".</p> |

MISCELLANEOUS TRUNK ACCESS: RADIO PAGING EQUIPMENT ACCESS



MISCELLANEOUS TRUNK ACCESS: RADIO PAGING EQUIPMENT ACCESS

| D | DESCRIPTION | DATA |
|------|---|---|
| CM35 | Assign the route data to the route number assigned by CM30 YY = 00. | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) Route No. (50-59) (2) 05 • YY = 08 (Dial Sending to Radio Paging Equipment) <ol style="list-style-type: none"> (1) Route No. (50-59) (2) 3◀ : Dial Pulses are sent out • YY = 13 (Max. number of sending digits) <ol style="list-style-type: none"> (1) Route No. (50-59) (2) 000: Unlimited 001: 1 digit of Radio No. and calling } Station number. 004: 4 digits of Radio No. and calling } Station number. 005: } 2 digits of Radio } Paging No. and call- 031: } ing Station number. Note: } |
| END | | <p>Note: To send a calling station number automatically, the data for CM30 YY = 28 must be set to "X6".</p> |

HARDWARE REQUIRED

- PN-4COT card
- Radio Paging Equipment provided locally

MISCELLANEOUS TRUNK ACCESS: WIDE AREA TELEPHONE SERVICE (WATS) ACCESS

PROGRAMMING

In addition to the programming of Direct Outward Dialing, assign an WATS line to the required trunk route, as shown below:

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM35 | Assign a WATS line to the required trunk route. | <ul style="list-style-type: none">• YY = 00(1) Trunk Route No. (00-63)(05)(2) 02: WATS line |
| END | | |

Note: For assigning the Class of Service for this feature, refer to CLASS OF SERVICE.

MULTILINE TERMINAL ATTENDANT POSITION

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM10 | Assign the Primary Extension number to the required LEN. | (1) LEN (0000-0511) (2) FX-FXXXX (Primary Extension No.) |
| CM12 | Assign the Class of Service for the Multiline Terminal Attendant Position to the required Multiline Terminal. | <ul style="list-style-type: none"> CM12 YY = 02 Service Restriction Class B (00-15) CM15 YY = 71 (1) XX Service Restriction Class B assigned by CM12 YY = 02 (00-15◀) (2) 0: Attendant Position |
| CM15 | | |
| CM11 | Assign the required number of Loop, ICI (Incoming Call Identification) and OPR (Operator Call) Lines to the Virtual LENs. | (1) Virtual LEN (0000-0255) (2) AA <u>X</u> <u>X</u> : LOOP Line No. *a*b *a: Attendant Position No. (0-7) *b: Loop Number (1-5) AB00-AB99: ICI/OPR Line No. |
| CM12 | Assign each Loop Line No. assigned by CM11 as an Attendant Loop Line. | <ul style="list-style-type: none"> YY = 03 (1) Loop Line No. (AA01-AA75) assigned by CM11. (2) 08: Attendant Position Loop Line |
| CM12 | Assign the Class of Service for the ICI key to the required ICI/OPR Line Numbers assigned by CM11. | <ul style="list-style-type: none"> CM12 YY = 02 (1) ICI/OPR Line No. assigned by CM11 (AB00-AB99) (2) XX <u>XX</u> *a *a: Service Rest. Class B (00-15◀) |
| CM15 | | |
| A | <ul style="list-style-type: none"> CM15 YY = 73 (1) XX (Service Rest. Class B assigned by CM12 YY = 02) (2) 0: Allowed | |

MULTILINE TERMINAL ATTENDANT POSITION

| A | DESCRIPTION | DATA |
|------|--|---|
| CM12 | Assign a Hotline station to each ICI/OPR Line Number. With this assignment, each ICI/OPR Line is restricted from call origination. | <ul style="list-style-type: none"> • YY = 03 (1) ICI/OPR No. (AB00-AB99) (2) 04: Hotline |
| CM17 | Assign a UCD station to each ICI/OPR Line Number. With this assignment, ICI/OPR Lines are provided the call-queuing facility individually. | <ul style="list-style-type: none"> • Y = 1 (1) ICI/OPR Line No. (AB00-AB99) (2) 1: Pilot Station • Y = 2 (1) ICI/OPR Line No. (AB00-AB99) (2) 00-15: UCD Group No. <p>Note: <i>Individual UCD Group Nos. must be assigned to each ICI/OPR Line No.</i></p> |
| CM20 | Assign the access code for Priority Call 0 (used for Attendant Position access). | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Attendant Position Access Code) (2) 088 |
| CM51 | Assign the destination of Priority Call 0 to each OPR Line. | <ul style="list-style-type: none"> • YY = 12 (1) Tenant No. (2) OPR Line No. (AB00-AB99) |
| CM08 | Destination of Priority Call 0. | <ul style="list-style-type: none"> (1) 250 (2) 0 |
| CM30 | On the required trunks, assign the destination of DIT to each ICI Line. | <ul style="list-style-type: none"> • YY = 02 (1) 000-255 (Trunk Number) (2) 04: DIT • YY = 04 (1) 000-255 (Trunk Number) (2) ICI Line No. (AB00-AB99) |
| CM08 | Provide the system with Day/Night Mode Change by an NT key on an Attendant Position. | <ul style="list-style-type: none"> (1) 244 (Terminating system change) (2) 0: Available (1) 245 (Trunk Restriction Class change) (2) 0: Available |
| B | | |

MULTILINE TERMINAL ATTENDANT POSITION

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">B</div> <div style="margin: 5px 0 0 40px;"> </div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; text-align: center;">CM12</div> <div style="margin: 5px 0 0 40px;"> </div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; text-align: center;">CM15</div> <div style="margin: 5px 0 0 40px;"> </div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; text-align: center;">CM90</div> <div style="margin: 5px 0 0 40px;"> </div> <div style="border: 1px solid black; width: 60px; height: 25px; margin: 0 auto; text-align: center;">CM08</div> <div style="margin: 5px 0 0 40px;"> </div> <div style="text-align: center; margin-top: 20px;"><u>END</u></div> | <p>Assign the Class of Service for Day/Night Mode Change by station-dialing to Attendant.</p> <p>Assign the Loop keys to each Multiline Terminal, and assign the function keys required for the Attendant Position to the Multiline Terminal.</p> <p>Specify Line Preselection on a Multiline Terminal after pressing the desired LINE/TRUNK button.</p> <p>Note: <i>To provide a Trunk Name/Station Name, refer to Alphanumeric Display.</i></p> | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class B (00-15◀)] • CM15 YY = 60 <ol style="list-style-type: none"> (1) 00-15 (Service Restriction Class B assigned by CM12 YY = 02) (2) 1◀ : Allowed • YY = 00 <ol style="list-style-type: none"> (1) Primary Extension No. + + Key No. (2) AA01-AA75: Loop Key AB00-AB99: ICI/OPR Key F1020: Release Key F0300: Operator Call Key F0043: Night Key (1) 199 (2) 0/1◀ : Not Required/Required |

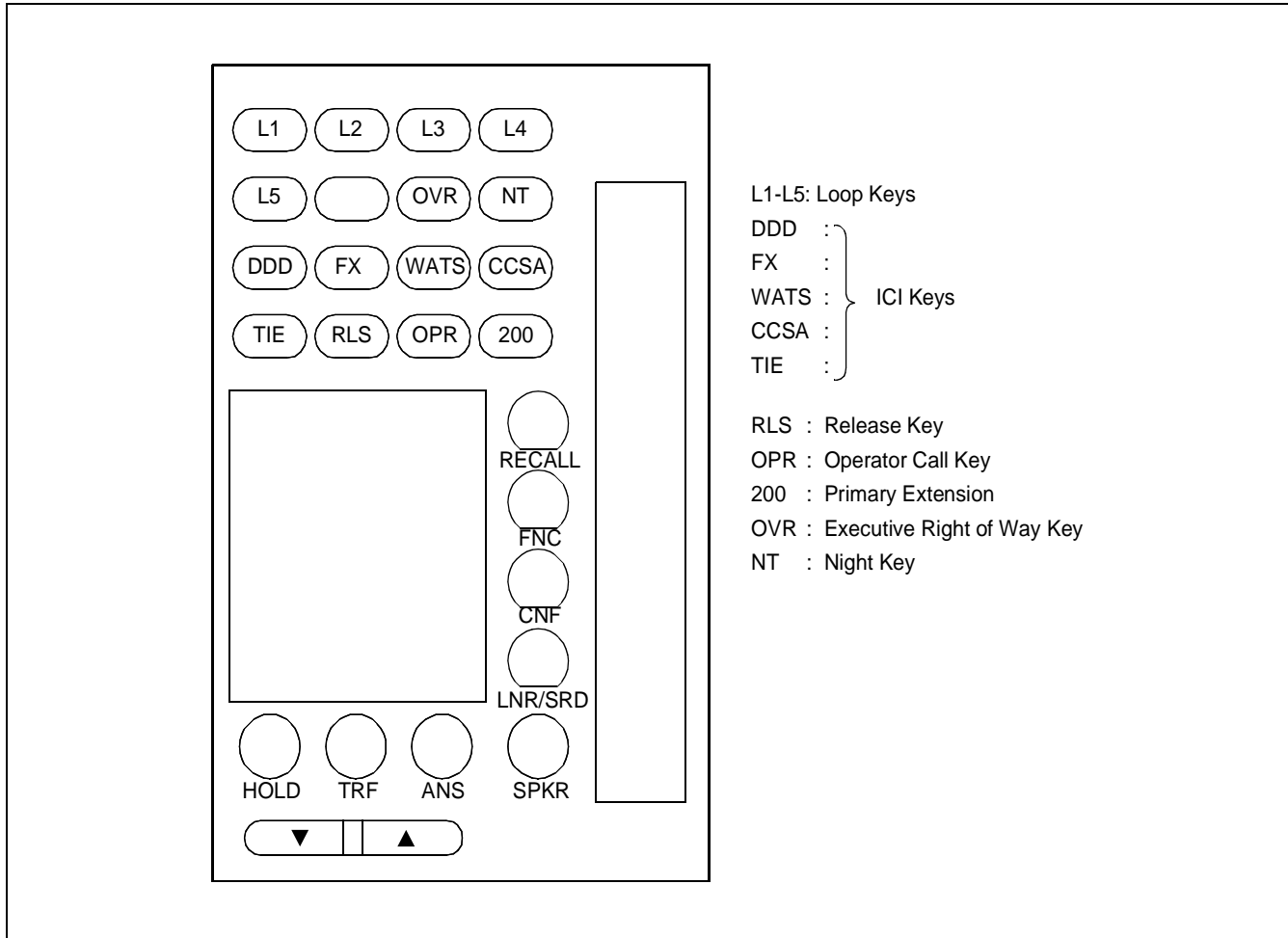
MULTILINE TERMINAL ATTENDANT POSITION

If a DSS Console is associated with the Multiline Terminal Attendant Position, add the following system data programming.

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | Assign the DSS Console No. to the required LEN. | (1) LEN (0000-0511) (2) DSS Console No. (E100-E131) E100-E107: For PIM0/1 E108-E115: For PIM2/3 E116-E123: For PIM4/5 E124-E131: For PIM6/7 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM96</div> | Assign the Primary Extension No. of the Multiline Terminal Attendant Position associated with each DSS Console. | (1) DSS Console No. (00-31) assigned by CM10 (E100-E131) (2) X-XXXX (Primary Extension No. of Multiline Terminal Attendant Position) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM97</div> | Assign Station numbers to the DSS keys. Assign the MW, DND, NT keys as function keys. | (1) DSS Console No. (00-31) assigned by CM10 (E100-E131) (2) For DSS key: Key No. (00-29) + + X-XXXX (Station No.) For Function key: Key No. (57-59) + + <u>Key data</u> *a |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | *a: F1049: Message Waiting F1053: Do Not Disturb F0043: Night Key |

MULTILINE TERMINAL ATTENDANT POSITION

Example:



Conditions

1. Operator Access Code: 0
2. Primary Extension No.: 200
3. ICI/Function Keys
 - DDD Line: TRUNK 000-004 (ICI Line No. = AB20)
 - FX Line: TRUNK 005 (ICI Line No. = AB21)
 - WATS Line: TRUNK 006 (ICI Line No. = AB22)
 - CCSA Line: TRUNK 007 (ICI Line No. = AB23)
 - TIE Line: TRUNK 008-010 (ICI Line No. = AB24)
 - OPR Line: Operator Call from Stations (OPR Line No. = AB10)
 - OVR Key: Executive Override
 - NT Key: Night Key
4. Number of Loop: 5 (Loop Line N. = AA01-AA05)
5. Tenant No.: 00
6. Numbering Plan Group: 0
7. Type of Multiline Terminal: ETJ-16DD-1

MULTILINE TERMINAL ATTENDANT POSITION

Programming for Example:

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS | |
|--------------|----------|----------|---|-----------------|
| 11 | 0000 | AA01 | Loop Line Number | |
| | 0001 | AA02 | | |
| | 0002 | AA03 | | |
| | 0003 | AA04 | | |
| | 0004 | AA05 | | |
| | 0005 | AB10 | OPR Line Number | |
| | 0006 | AB20 | DDD | ICI Line Number |
| | 0007 | AB21 | FX | |
| | 0008 | AB22 | WATS | |
| | 0009 | AB23 | CCSA | |
| 0010 | AB24 | TIE | | |
| 12-02 | 200 | 1500 | Service Class for Attendant Position | |
| 12-03 | AB10 | 1501 | Service Class for ICI Line | |
| | AB20 | 1501 | | |
| | AB21 | 1501 | | |
| | AB22 | 1501 | | |
| | AB23 | 1501 | | |
| | AB24 | 1501 | | |
| 12-03 | AA01 | 08 | Service Class for Loop Line | |
| | AA02 | 08 | | |
| | AA03 | 08 | | |
| | AA04 | 08 | | |
| | AA05 | 08 | | |
| | AB10 | 04 | Hotline Assignment | |
| | AB20 | 04 | | |
| | AB21 | 04 | | |
| | AB22 | 04 | | |
| | AB23 | 04 | | |
| | AB24 | 04 | | |
| 200 | 15 | | | |
| 15-71 | 00 | 0 | Attendant Position Class | |
| 15-73 | 01 | 0 | ICI/OPR Key Class | |
| 17-1 | AB10 | 1 | Assign UCD Pilot Station to the ICI/OPR Line Numbers. | |
| | AB20 | 1 | | |
| | AB21 | 1 | | |
| | AB22 | 1 | | |
| | AB23 | 1 | | |
| | AB24 | 1 | | |

MULTILINE TERMINAL ATTENDANT POSITION

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS |
|--------------|----------|----------|--|
| 17-2 ⎵ | AB10 | 00 | Assign UCD Group to the ICI/OPR Line Numbers |
| | AB20 | 01 | |
| | AB21 | 02 | |
| | AB22 | 03 | |
| | AB23 | 04 | |
| | AB24 | 05 | |
| 20-0 | 0 | 088 | Operator Access Code |
| 51-12 | 00 | AB10 | Operator Call Termination to OPR Line |
| 08 | 250 | 0 | |
| 30-02 ⎵ | 000 | 04 | DIT |
| | 001 | 04 | |
| | 002 | 04 | |
| | 003 | 04 | |
| | 004 | 04 | |
| | 005 | 04 | |
| | 006 | 04 | |
| 30-04 ⎵ | 000 | AB20 | Incoming Call Termination to ICI Line |
| | 001 | AB20 | |
| | 002 | AB20 | |
| | 003 | AB20 | |
| | 004 | AB20 | |
| | 005 | AB21 | |
| | 006 | AB22 | |
| 90-00 ⎵ | 200,01 | AA01 | LOOP Key |
| | 200,02 | AA02 | |
| | 200,03 | AA03 | |
| | 200,04 | AA04 | |
| | 200,05 | AA05 | |
| | 200,07 | F0006 | OVR Key |
| | 200,08 | F0043 | NT Key |
| | 200,09 | AB20 | DDD Key |
| | 200,10 | AB21 | FX Key |
| | 200,11 | AB22 | WATS Key |
| | 200,12 | AB23 | CCSA Key |
| | 200,13 | AB24 | TIE Key |
| | 200,14 | F1020 | RLS Key |
| | 200,15 | AB10 | OPR Key |
| | 200,16 | 200 | Primary Extension Line Key |
| | 08 | 244 | 0 |
| 08 | 245 | 0 | |

MUSIC ON HOLD

PROGRAMMING

To provide Hold Tone Source on the MP card:

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM08 | Select the music to be provided. | (1) 183 (2) 0: Nocturne 1 ◀ : Minuet |
| CM48 | Define the type of call to be provided with Hold Tone on the MP card. Note: <i>When using PN-CP03 card, set the JP1 switch to UP (Internal Hold Tone Source).</i> | • Y = 0 (1) 00: C.O. Line Call 01: Tie Line Call 02: Internal Call (2) 1400: Hold Tone Source on the MP card |
| END | | |

To provide External Hold Tone Source through PN-4COT and PN-DK00 card:

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM10 | Assign the PN-4COT and PN-DK00 for interface with External Hold Tone Source to the required LENS. Note 1: <i>The PN-DK00 card No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> Note 2: <i>The PN-4COT Circuit No. must be assigned for each tenant (One External Hold Tone Source can be provided for each tenant).</i> | (1) LEN (0000-0511) (2) DA00-DA09: PN-4COT Circuit No. Note 2 E800-E831: PN-DK00 Card No. [E800-E807: For PIM0/1 E808-E815: For PIM2/3 E816-E823: For PIM4/5 E824-E831: For PIM6/7] |
| CM44 | Set the function of External Hold Tone Source interface to the PN-DK00 card. | (1) <u>XX</u> X: ├── 0-31: Card No. E800-E831 │ assigned by CM10 └── 0-3: Circuit No. (2) 0000-0009 |
| A | | |

MUSIC ON HOLD

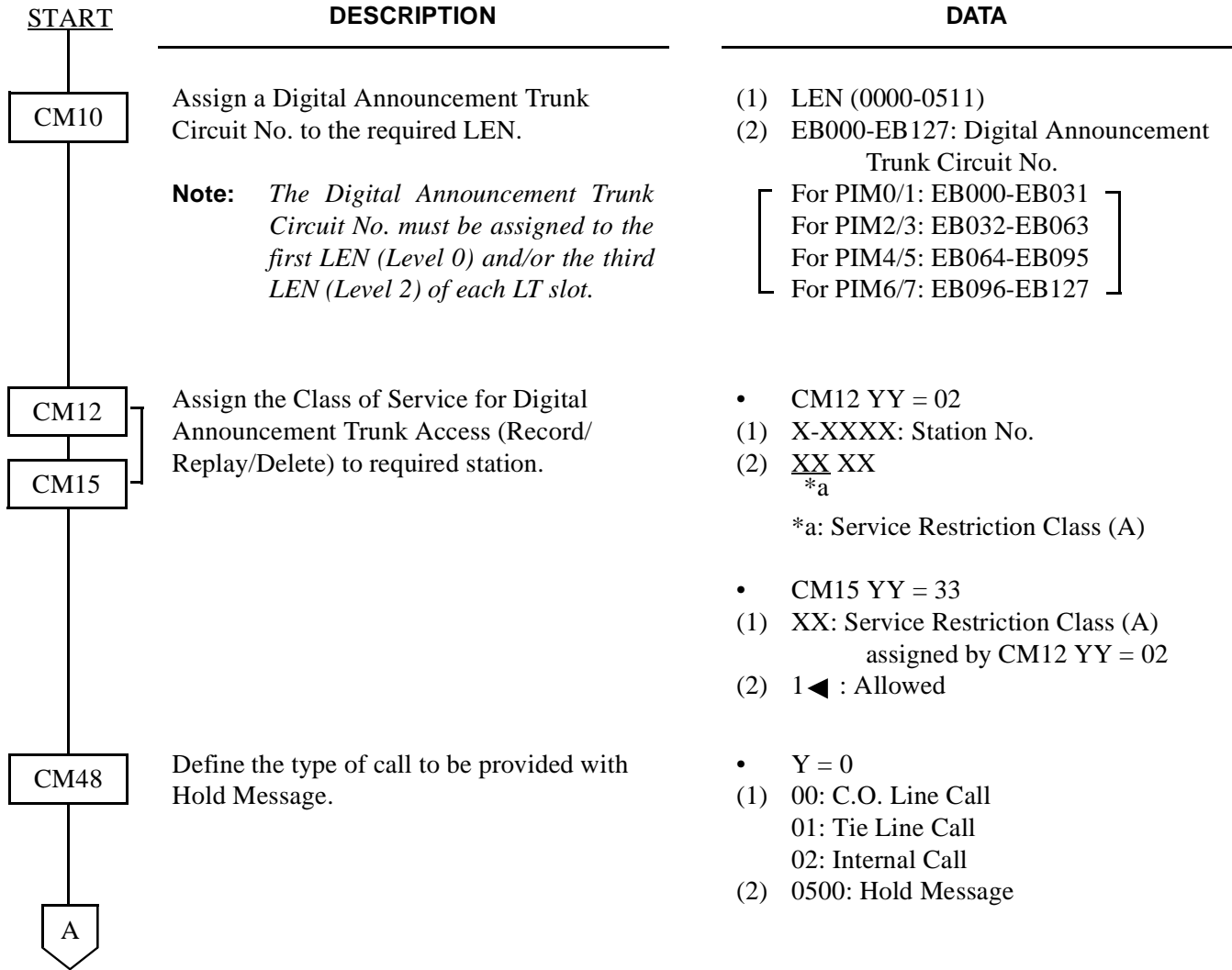
| | DESCRIPTION | DATA |
|------------|---|---|
| A | | |
| CM48 | Define the type of call to be provided with External Music. | <ul style="list-style-type: none"> • Y=0 (1) 00: C.O. Line Call <li style="padding-left: 20px;">01: Tie Line Call <li style="padding-left: 20px;">02: Internal Call (2) 200: External Hold Tone Source |
| CM64 | Specify External Hold Tone Source per each tenant. | <ul style="list-style-type: none"> • Y=1 (1) Tenant No. (00-63) (2) 00-09: External Hold Tone Source No. |
| CM08 | Specify which tenant External Hold Tone is sent from. | <ul style="list-style-type: none"> (1) 388 (2) 0: Tenant of held station/trunk <li style="padding-left: 20px;">1◀ : Tenant of holding station |
| <u>END</u> | | |

For providing Internal Hold Tone generated by DTG:

| | DESCRIPTION | DATA |
|--------------|--|---|
| <u>START</u> | | |
| CM48 | Define the type of call to be provided with Hold Tone. | <ul style="list-style-type: none"> • Y = 0 (1) 00: C.O. Line Call <li style="padding-left: 20px;">01: Tie Line Call <li style="padding-left: 20px;">02: Internal Call (2) 1500: Hold Tone generated by DTG |
| <u>END</u> | | |

MUSIC ON HOLD

For providing the Hold Message by Digital Announcement Trunk (PN-2DATA):



MUSIC ON HOLD

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM49 | Assign the data for Hold Message Service to the Digital Announcement Trunk Circuit. | <ul style="list-style-type: none">• YY=00(1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127)(2) 05 <u>XX</u>: For Hold Message Service *a *a: Message No. (00-63) |
| CM20 | To record, replay, or delete a message, assign the appropriate Digital Announcement Trunk access code. | <ul style="list-style-type: none">• YY=05(1) Tenant No. (00-63)(2) Message No. (00-63) assigned by YY=00 <ul style="list-style-type: none">• Y=0-3 (Numbering Plan Group 0-3) X-XXX (Access Code)(2) A00: Record A01: Replay A02: Delete |
| <u>END</u> | | |

MUSIC ON HOLD

To provide External Hold Tone Source through PN-TNT Card (1200 Series Enhancement):

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | Assign the TNT Circuit No. (External Hold Tone Source No.) to the required LEN. Note: <i>The TNT Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> <i>The TNT Circuit No. must be assigned for each tenant (One External Hold Tone Source can be provided for each tenant).</i> | (1) LEN (0000-0511) (2) DA00-DA09: TNT Circuit No. Note |
| CM48 | Define the type of call to be provided with External Hold Tone. | <ul style="list-style-type: none"> • Y=0 (1) 00: C.O. Line Call 01: Tie Line Call 02: Internal Call (1) 0200: External Hold Tone Source |
| CM64 | Specify External Hold Tone Source per each tenant. | <ul style="list-style-type: none"> • Y=1 (1) Tenant No. (00-63) (2) 00-09: External Hold Tone Source No. (TNT Circuit No. DA00-DA09) |
| CM08 | Specify which tenant External Hold Tone is sent from. | (1) 388 (2) 0: Tenant of held station/trunk 1 ◀ : Tenant of holding station |
| END | | |

To provide External Hold Tone Source through PN-CP03 Card (1500 Series Enhancement):

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM48 | Define the type of call to be provided with Hold Tone. | <ul style="list-style-type: none"> • Y=0 (1) 00: C.O. Line Call 01: Tie Line Call 02: Internal Call (1) 1400: Hold Tone Source through MP card |
| END | | |

MUSIC ON HOLD

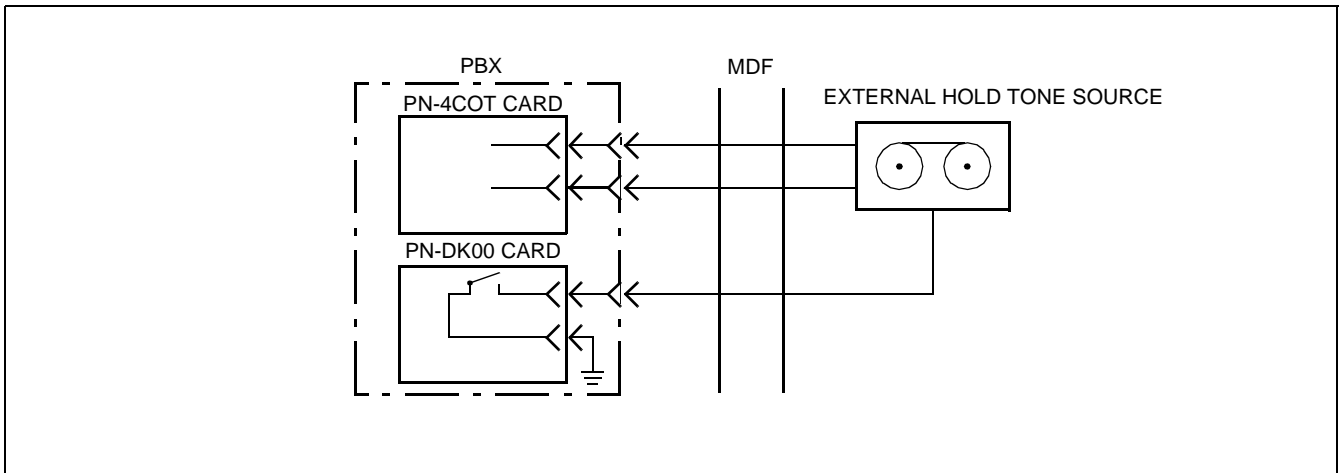
HARDWARE REQUIRED

To provide External Hold Tone Source through PN-4COT and PN-DK00 card:

- PN-4COT
- PN-DK00
- External Hold Tone Source provided locally

Make the following connections between the trunks and the External Hold Tone Source at the MDF.

For details, refer to the MDF cross connection for an External Tone Source in the INSTALLATION PROCEDURE MANUAL.



To provide the Hold Message by Digital Announcement Trunk:

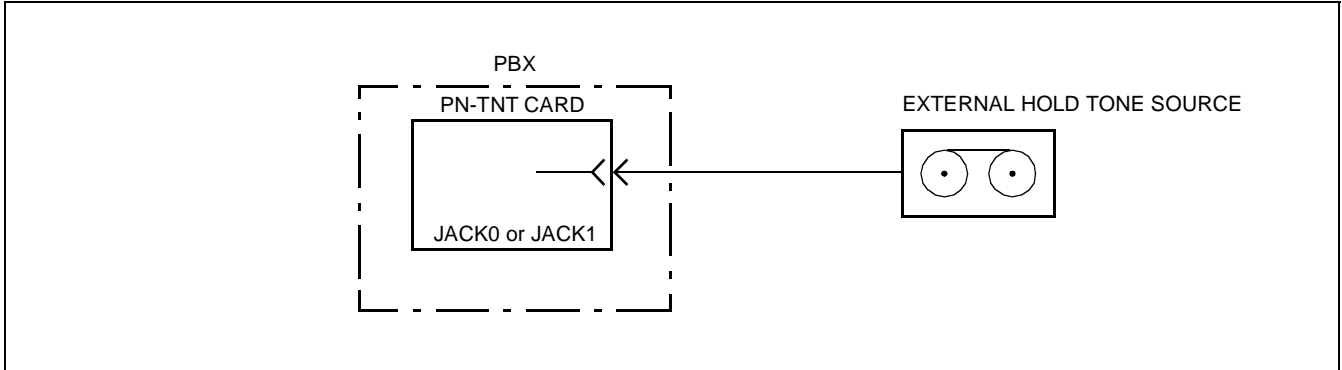
- PN-2DATA

MUSIC ON HOLD

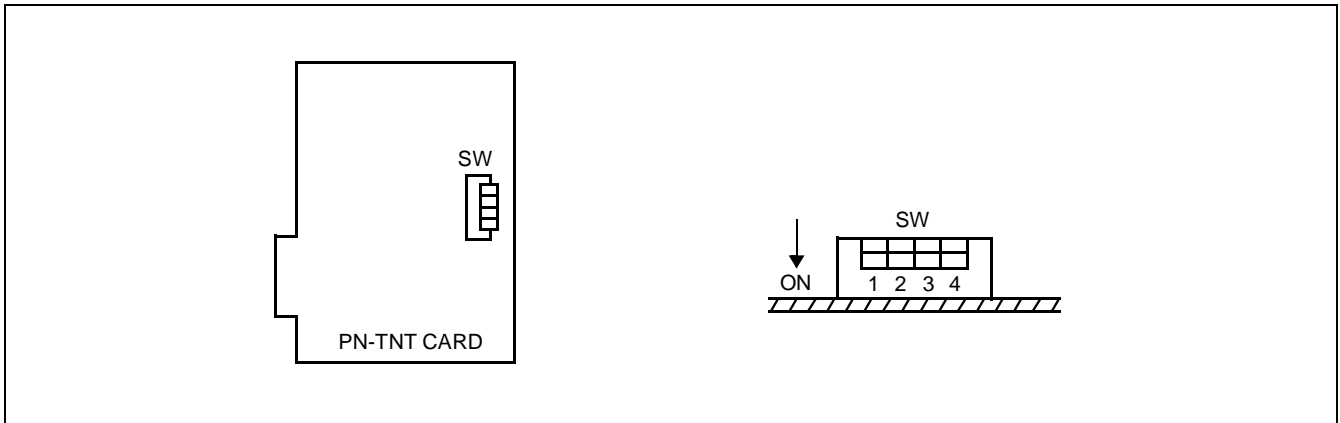
To provide the External Hold Tone Source through PN-TNT card:

- PN-TNT
- External Music Source provided locally

To connect the External Hold Tone Source, plug the cable into JACK0 or JACK1 on the PN-TNT card.



Set the switches on the PN-TNT card to adjust the External Hold Tone Source level.



- Level Control of External Hold Tone Source through JACK0/JACK1

| No. 0 CIRCUIT (JACK0) | | |
|-----------------------|------|------|
| OUTPUT LEVEL | SW-1 | SW-2 |
| -10 dB | OFF | OFF |
| -7 dB | ON | OFF |
| -4 dB | OFF | ON |
| -1 dB | ON | ON |

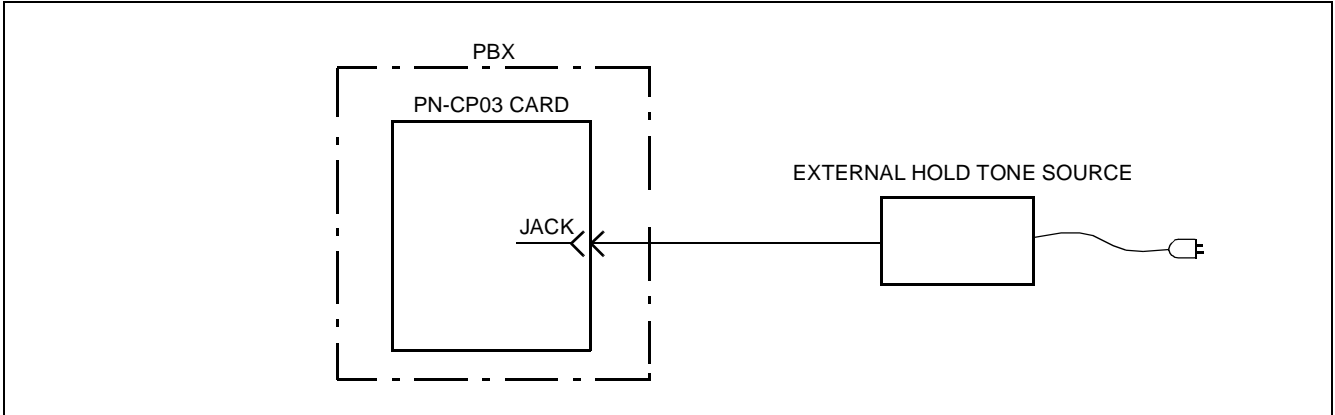
| No. 1 CIRCUIT (JACK1) | | |
|-----------------------|------|------|
| OUTPUT LEVEL | SW-3 | SW-4 |
| -10 dB | OFF | OFF |
| -7 dB | ON | OFF |
| -4 dB | OFF | ON |
| -1 dB | ON | ON |

MUSIC ON HOLD

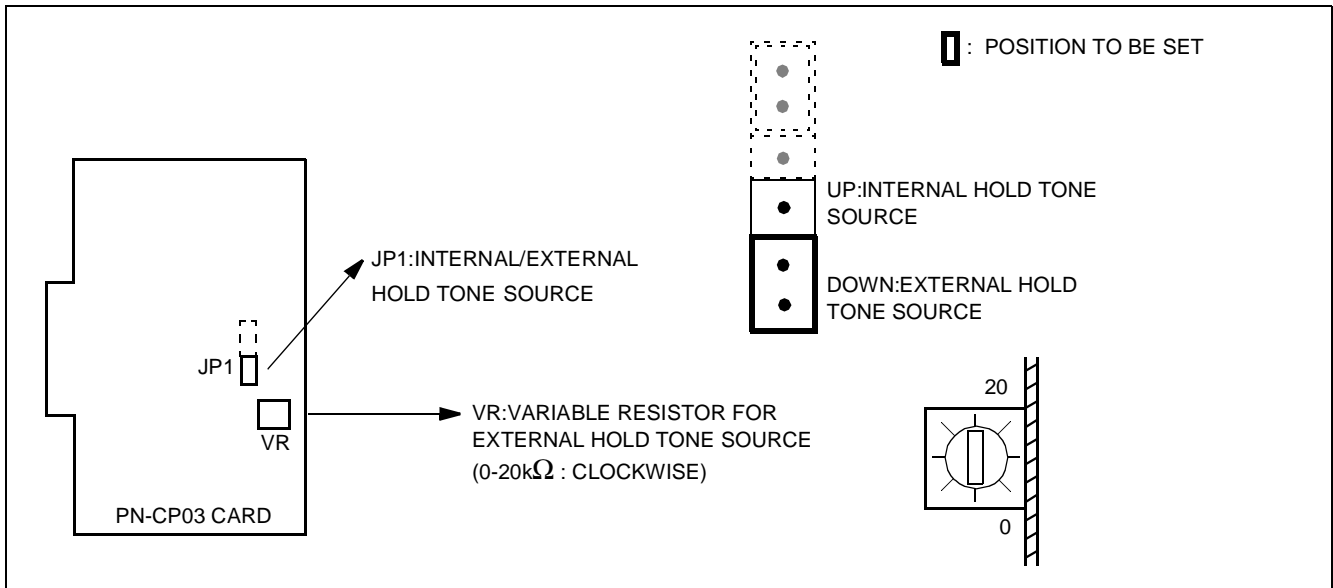
To provide External Hold Tone Source through PN-CP03 card:

- External Hold Tone Source provided locally.

To connect the External Hold Tone Source, plug the cable into JACK on the PN-CP03 card.



Set the switches on the PN-CP03 card as follows.



To provide Hold Tone Source on the MP card: Set the JP1 switch to UP.

NIGHT SERVICE: ATTENDANT NIGHT TRANSFER

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM08 | Provide the system with Attendant Night Transfer. | (1) 018: Attendant Night Transfer (2) 1 ◀ : To be provided |
| CM51 | Assign the Night Connection Station to each ATTCON Group. | • YY = 13 (1) ATTCON Group 0-3 (00-03) assigned by CM60 YY = 00 (2) X-XXXX: Night Connection Station No. |
| <u>END</u> | | |

NIGHT SERVICE: CALL REROUTING

PROGRAMMING

Refer to Night Connection-Fixed/Flexible, Trunk Answer Any Station, Direct Inward Termination (DIT), Direct Inward Dialing (DID), and E&M Tie Line Access.

NIGHT SERVICE: DAY/NIGHT MODE CHANGE BY ATTENDANT CONSOLE

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM60</div> | Assign the password code for Day/Night Change by SN610 ATTCON. <div style="text-align: center; margin-top: 10px;"> INITIAL </div> | <ul style="list-style-type: none"> • YY = 30 (1) 1 (2) XX-XX: Password Code (Max. 8 digits) X: 0-9, A(*), B(#) If no data is set, the default setting is NONE. In this case, the password is set to "12345678." |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | Assign the Day/Night mode key on SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + + key No. (2) F6110 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | Assign the access code for providing Day/Night Mode change from a SN610 ATTCON, if required. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) A55 |
| <div style="text-align: center;">END</div> | | |

Note: The following trunk data (CM30) can be changed by this feature (depending upon programming).

| <u>Day (YY)</u> | ↔ | <u>Night (YY)</u> |
|-----------------|---|-------------------|
| 02 | ↔ | 03 |
| 04 | ↔ | 05 |
| 13 | ↔ | 14 |
| 15 | ↔ | 16 |
| 30 | ↔ | 31 |

NIGHT SERVICE: DAY/NIGHT MODE CHANGE BY STATION DIALING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Provide the system with Day/Night Mode change by Station Dialing. | <ul style="list-style-type: none"> (1) 244: Change of Terminating System Incoming Trunk (CM30, YY = 02/03) (2) 0: Available (1) 245: Change Trunk Restriction Class (CM30 YY = 02/03) (2) 0: Available |
| CM12 | Assign Service Restriction B to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) XX <u>XX</u> *a *a: Service Restriction Class B (00-15 ◀) |
| CM15 | Assign the Day/Night Mode Change by Station Dialing to Service Restriction B assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 60 (1) Service Restriction Class B (00-15) assigned by CM12 YY = 02 (2) 1 ◀ : Allowed |
| CM20 | Assign the access code for Day/Night Mode change by Station Dialing. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (68) (2) 043: Day/Night Mode Change by Station Dialing |
| CM90 | Assign the Day/Night Mode Change by Station Dialing key on the Multiline Terminals. | <ul style="list-style-type: none"> • YY = 00 (1) X-XXXX: Primary Extension No. + . + Key No. (2) F0043: Day/Night Mode Change by Station Dialing |
| END | | |

Note: The following trunk data (CM30) can be changed by this feature (depending upon programming).

| <u>Day (YY)</u> | ↔ | <u>Night (YY)</u> |
|-----------------|---|-------------------|
| 02 | ↔ | 03 |
| 04 | ↔ | 05 |
| 13 | ↔ | 14 |
| 15 | ↔ | 16 |
| 30 | ↔ | 31 |

NIGHT SERVICE: NIGHT CONNECTION-FIXED

PROGRAMMING

To Provide Night Connection Stations.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM30 | <p>Assign a Night Connection Station to each Incoming Trunk.</p> <p>Assign the destination to which a call is forwarded when the Night Connection Station is Busy/No Answer.</p> | <ul style="list-style-type: none">• YY = 03<ul style="list-style-type: none">(1) Trunk No. (000-255)(2) 04: Direct-In Termination• YY = 05<ul style="list-style-type: none">(1) Trunk No. (000-255)(2) X-XXXX: Night Connection Station No.• YY = 14 (When Night Connection Station is busy.)<ul style="list-style-type: none">(1) Trunk No. (000-255)(2) 01: To TAS 04: To SN610 ATTCON 06: Automatic Camp-On 15◀ : Keep the call ringing (Waiting until the Night Connection Station becomes idle.)• YY = 16 (When Night Connection Station is not answering)<ul style="list-style-type: none">(1) Trunk No. (000-255)(2) 01: To SN610 ATTCON 03: To TAS 15◀ : Keep the call ringing (Waiting until the Night Connection Station becomes idle.) |
| CM41 | <p>Specify the timing for a call forwarding when the Night Connection Station is No Answer.</p> <p>Note: <i>This timing is also applied to Call Forwarding-No Answer, Attendant Overflow, and Group Diversion.</i></p> | <ul style="list-style-type: none">• Y = 0<ul style="list-style-type: none">(1) 01(2) 01-30 : 4-120 sec. in 4 sec. increments <p>If no data is set, the default setting is 32-36 seconds.</p> |
| <u>END</u> | | |

NIGHT SERVICE: NIGHT CONNECTION-FLEXIBLE

PROGRAMMING

Refer to Night Connection-Fixed and Call Forwarding-All Calls.

NIGHT SERVICE: TRUNK ANSWER ANY STATION (TAS)

PROGRAMMING

| START | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | Assign a Trunk Restriction Class to each station. | <ul style="list-style-type: none"> • YY = 01 (1) X-XXXX (Station No.) (2) $\frac{XX}{*a}$ <p>*a: Trunk Restriction Class in Night Mode (1-7)</p> <p>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)</p> |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM15</div> | Assign the Class of Service for TAS to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 Service Restriction Class B (00-15◀) • CMI5 YY = 53 (1) Service Restriction Class B (00-15) assigned by CM12 YY = 02 (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM30</div> | Assign TAS as the terminating system in Night Mode for the required trunks. | <ul style="list-style-type: none"> • YY = 03 (1) 000-255 (Trunk No.) (2) 13: TAS |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | Assign the TAS Group No. to the trunks assigned by YY = 03. | <ul style="list-style-type: none"> • YY = 17 (1) 000-255 (Trunk No.) (2) 00-63 (TAS Group No.) |

NIGHT SERVICE: TRUNK ANSWER ANY STATION (TAS)

A

CM53

DESCRIPTION

DATA

Specify the function of each type of TAS within a system.

| Y \ (1) | | 0 | 1 | 3 | 4 | 7 |
|---------|--------------|-------|-------|-------|-------|-------|
| | | 0 | 1 | 3 | 4 | 7 |
| 0 | TAS Answer A | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ |
| 1 | TAS Answer B | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ |
| 2 | TAS Answer C | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ |
| 3 | TAS Answer D | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ |
| 4 | TAS Answer E | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ | 0/1 ◀ |

- Y = 0-4 (TAS Answer A-E)
 - (1) Type of Call
 - 1: C.O. Incoming Call
 - 2: Tie Line/DID
 - 3: C.O. Incoming Call in Night Mode
 - 4: Overflowed DIT Call
 - (2) 0/1 ◀ : Cannot be answered/Can be answered
- (1) 7: A call terminated to a different tenant.
- (2) 0/1 ◀ : Can be answered

CM20

Assign the access code for each type of TAS (TAS Answer A-E) assigned by CM53.

- Y = 0-3 (Numbering Plan Group 0-3)
 - (1) X-XXX: Access Code (72)
 - (2) 047: TAS Answer A
048: TAS Answer B
049: TAS Answer C
050: TAS Answer D
051: TAS Answer E

CM63

Specify the Tenants allowing TAS Answer between them.

- Y = 0
 - (1) $\frac{XX}{*a} \frac{XX}{*b}$
 - *a: 00-63 (Tenant No. of TAS Answer station)
 - *b: 00-63 (Tenant No. of Trunk)
 - (2) 0/1 ◀ : Allowed/Restricted

END

NIGHT SERVICE: TRUNK ANSWER ANY STATION (TAS)

To provide the External TAS Indicator using the PN-DK00 card:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------------|---|--|
| START CM10 | Assign the PN-DK00 card No. to the required LEN. | (1) LEN (0000-0511) (2) E800-831 (PN-DK00 Card No.) [For PIM0/1: E800-E807 For PIM2/3: E808-E815 For PIM4/5: E816-E823 For PIM6/7: E824-E831] |
| CM44 | Assign the TAS Group No. assigned by CM30 YY = 17 to the circuit No. of the PN-DK00 card. | (1) $\frac{XX}{*a} \frac{X}{*b}$ (Circuit No.) *a: Card No. (00-31) assigned by CM10 (E800-E831) *b: Circuit No. (0-3) (2) $\frac{13XX}{*a}$ *a: 00-63 (TAS Group No.00-63 assigned by CM30 YY = 17) |
| CM59 | Specify the indication pattern on the External TAS Indicator. | (1) 00 (2) 01 ◀ : 30 IPM (1 sec. ON/OFF) 02: 60 IPM (0.5 sec. ON/OFF) 03: 120 IPM (0.25 sec. ON/OFF) 07: Steadily on. |
| END | | |

To provide the Telephone set for TAS Indication using the PN-4LC card:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------------|--|---|
| START CM10 | Assign the TAS Buzzer No. (Telephone set for TAS Indication) to the required LEN. The TAS Buzzer No. must correspond to the TAS Group No. assigned by CM30 YY = 17. E600→TAS Group 00 } } E663→TAS Group 63 | (1) LEN (0000-0511) (2) E600-E663 (TAS Buzzer No.) |
| END | | |

NIGHT SERVICE: TRUNK ANSWER ANY STATION (TAS)

HARDWARE REQUIRED

To provide the External TAS Indicator:

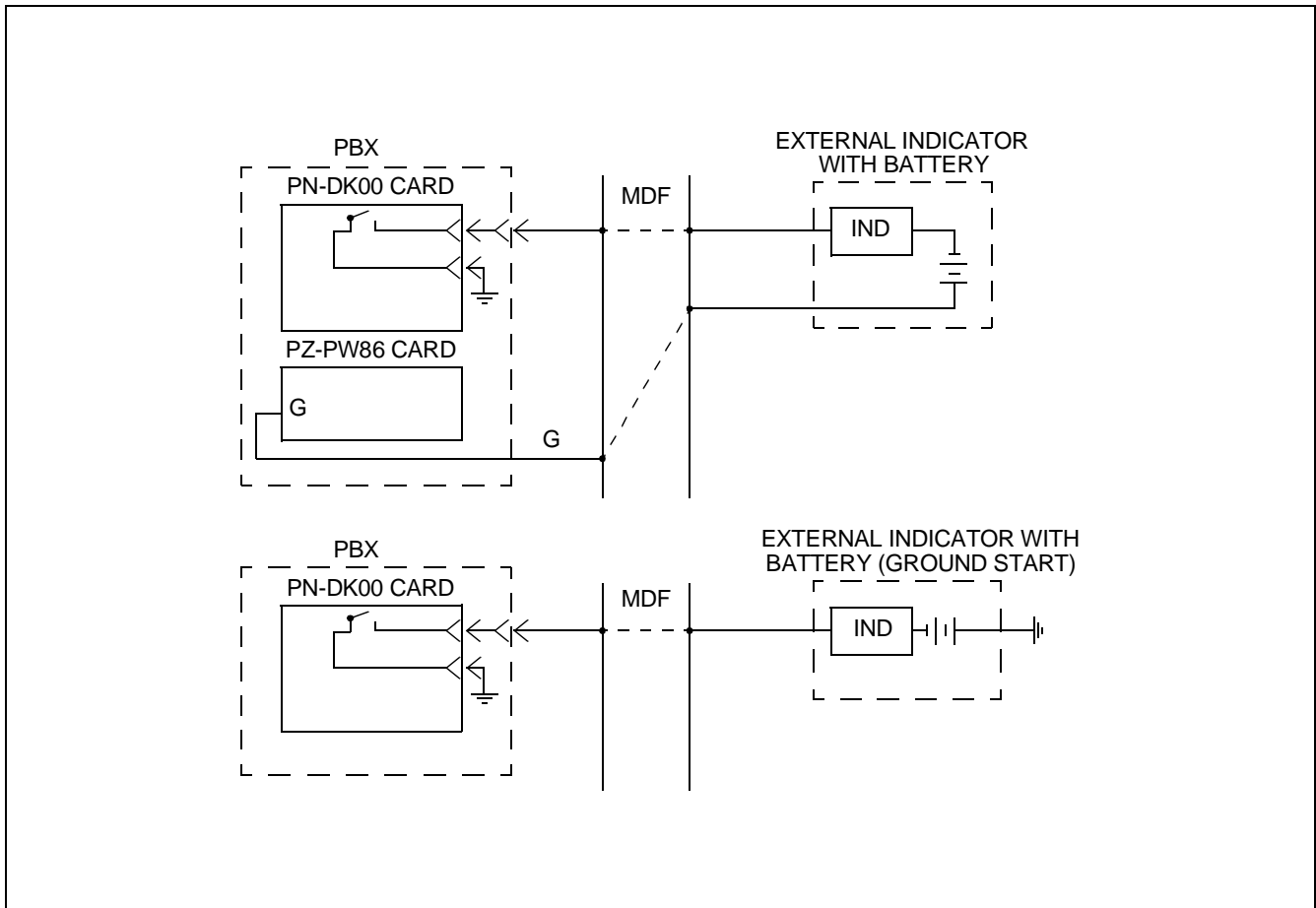
- PN-DK00
- Indicator

Requirement for External Indicator

Control Method: Ground/Battery (-24 V) (Max.125 mA)

Type: Visual and/or Audible type with volume control

Make the following connections at the MDF according to the type of the indicator. For details, refer to the MDF cross connection for a TAS Indicator in the INSTALLATION PROCEDURE MANUAL.



To provide the Telephone set for TAS Indication:

- PN-4LC card (Four telephone sets per card can be equipped.)
- Conventional telephone sets

OFF-HOOK ALARM

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | | | | | | | | | |
|--------------|--|--|--|-----------------|----|----|---|---|--|---|---|---|---|---|-------------------------------------|---|---|----------------------------------|
| CM13 | Provide this feature for the required stations. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXX (Station No.) (2) 0: To be provided | | | | | | | | | | | | | | | | |
| CM51 | Assign the destination for Off-Hook Alarm to a Station or SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 12 (1) Tenant No. (00-63) (2) X-XXXX (Station No.) E000: SN610 ATTCON | | | | | | | | | | | | | | | | |
| CM90 | If the Attendant Console is designated as the destination of Off-Hook Alarm by CM51 YY = 12, assign an EMG key for the Off-Hook Alarm to any Key. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + + Key No. (2) F6056: Emergency Call | | | | | | | | | | | | | | | | |
| CM41 | Specify the timing for Off-Hook Alarm. | <ul style="list-style-type: none"> • Y = 0 (1) 22 (2) 01-08: 4-32 sec. in 4 sec. increments <p>If no data is set, default setting is 28-32 seconds.</p> | | | | | | | | | | | | | | | | |
| CM12 | Specify the service to be applied for an Off-Hook Alarm Call to a busy destination. | <ul style="list-style-type: none"> • CM12 YY = 07 (1) X-XXXX (Station No. of destination) (2) Service Rest. Class C (00-15◀) | | | | | | | | | | | | | | | | |
| CM15 | | | | | | | | | | | | | | | | | | |
| END | <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">YY</th> <th rowspan="2" style="text-align: center;">MEANING OF DATA</th> </tr> <tr> <th style="text-align: center;">97</th> <th style="text-align: center;">98</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td>Call Waiting (When UCD Pilot Station and CM08-212 = 0)</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td>UCD (When UCD Pilot Station and CM08-212 = 1)</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td>Call Waiting (For Ordinary Station)</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td>Hunting (For Ordinary Station) ◀</td> </tr> </tbody> </table> | YY | | MEANING OF DATA | 97 | 98 | 0 | 0 | Call Waiting (When UCD Pilot Station and CM08-212 = 0) | 0 | 1 | UCD (When UCD Pilot Station and CM08-212 = 1) | 1 | 0 | Call Waiting (For Ordinary Station) | 1 | 1 | Hunting (For Ordinary Station) ◀ |
| YY | | MEANING OF DATA | | | | | | | | | | | | | | | | |
| 97 | 98 | | | | | | | | | | | | | | | | | |
| 0 | 0 | Call Waiting (When UCD Pilot Station and CM08-212 = 0) | | | | | | | | | | | | | | | | |
| 0 | 1 | UCD (When UCD Pilot Station and CM08-212 = 1) | | | | | | | | | | | | | | | | |
| 1 | 0 | Call Waiting (For Ordinary Station) | | | | | | | | | | | | | | | | |
| 1 | 1 | Hunting (For Ordinary Station) ◀ | | | | | | | | | | | | | | | | |

OFF PREMISES EXTENSION

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM13 | Remove the PAD on Off Premises Extension. | <ul style="list-style-type: none">• YY = 09(1) X-XXXX (Station Number)(2) 0: No PAD (6 dB) |
| <u>END</u> | | |

HARDWARE REQUIRED

PN-AUCA card

PAD LOCK (1300 Series Enhancement)

PROGRAMMING

1. In case of a system with AP card (PN-AP01):

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM05 | Assign the slot number to AP card | (1) Slot No. (04-15) (2) 07: PN-AP01 card |
| | Note: Set SENSE switch on the card to the slot number assigned INITIAL | |
| CM08 | Designate the AP card for Authorization Code. | (1) 216: Designation of Processor for Authorization Code (2) 1◀ : AP (PN-AP01) |
| | Specify the Service Set Tone after dialling the access code for Authorization Code. | (1) 362: Provision of Service Set Tone after dialling the access code (2) 1◀ : To be provided |
| | Set the data for 281 to 1. (Maid ID Code is not used.) | (1) 281 (2) 1◀ : Not available |
| CM15 | Assign the Service Restriction Class (A) allowed for Authorization Code feature. | <ul style="list-style-type: none"> • YY=31 (Authorization Code) (1) Service Restriction Class (A) (00-15) (2) 1◀ : Allowed |
| | Assign allowed class and restricted class for Maid Status feature. | <ul style="list-style-type: none"> • YY=75 (Maid Status) (1) Service Restriction Class (B) (00-15) (2) 0: Restricted 1◀ : Allowed |
| CM12 | To the station that uses PAD LOCK feature, assign the Service Restriction Class (A) allowed for Authorization Code feature. Moreover, to all the station, assign the Service Restriction Class (B) restricted for Maid Status feature. | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) <u>XX XX</u> <ul style="list-style-type: none"> └─ Service Restriction Class (A) └─ Service Restriction Class (B) |
| CM20 | Assign the access code for Authorization Code. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 086: Authorization Code |
| A | | |

PAD LOCK (1300 Series Enhancement)

A

DESCRIPTION

DATA

CM42

Specify the maximum number of digits for Authorization Code.

- (1) 11: Authorization Code Max. digits
- (2) Max. number of digits
 - 01: 1 digit
 - :
 - 08: 8 digits
 - NONE◀ : 8 digits

CMD5

Specify the conditions for adding Check Code to each Authorization Code.
 Check Code consists of 2 digits: 1st and 2nd Check Code which are generated by the AP according to the conditions specified by Y=0 and Y=1.

- Y=0 (Designation of Significant digit for Check Code)
 - (1) 0: For 1st Check Code
 - 1: For 2nd Check Code
 - (2) 00 X X: Significant digit designation
 - └─ 5th-8th digit (0-F)
 - └─ 1st-4th digit (0-F)
 - (See left column)

Authorization Code:

$\underbrace{X_1 X_2 X_3 X_4 X_5 X_6 X_7 X_8}_{\text{ID Code programmed}} \underbrace{C_1 C_2}_{\text{Check Code}}$

If no Check Code is required, set data=0000 to both 1st and 2nd Check Code.

| DATA | DIGIT | X ₁ | X ₂ | X ₃ | X ₄ |
|------|---------------|----------------|----------------|----------------|----------------|
| | | X ₅ | X ₆ | X ₇ | X ₈ |
| 0 | No Check Code | | | | |
| 1 | X | | | | |
| 2 | | X | | | |
| 3 | X | X | | | |
| 4 | | | X | | |
| 5 | X | | X | | |
| 6 | | X | X | | |
| 7 | X | X | X | | |
| 8 | | | | | X |
| 9 | X | | | | X |
| A | | X | | | X |
| B | X | X | | | X |
| C | | | X | X | |
| D | X | | X | X | |
| E | | X | X | X | |
| F | X | X | X | X | |

- Y=1 (Setting of Check Sum Data for generating Check Code)
 - (1) 0: For 1st Check Code
 - (2) 1: For 2nd Check Code
 - 0-9: Check Sum Data (Enter desired value)

B

X: Significant Digit for Check Code

PAD LOCK (1300 Series Enhancement)

| | DESCRIPTION | DATA | | | | | | | | | |
|---|---|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">B</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CMD5</div> | <p>Set the Authorization Code and the Temporary Service Class given by CM15. Service Restriction Class (B) of the Temporary Service Class should be set to the allowed class for Maid Status.</p> <ul style="list-style-type: none"> Temporary Service Class. | <ul style="list-style-type: none"> Y=3 (1) X-X...X: Authorization Code (2) 2 X₂ ...X₉ (9 digits) (See column below) | | | | | | | | | |
| | <table style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">2</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₂</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₃</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₄</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₅</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₆</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₇</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₈</td> <td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">X₉</td> </tr> </table> | 2 | X ₂ | X ₃ | X ₄ | X ₅ | X ₆ | X ₇ | X ₈ | X ₉ | <ul style="list-style-type: none"> 2: Type of Temporary Service Class as per X₂...X₉ Trunk Restriction Class (01-08) Service Restriction Class (A) (01-15) Service Restriction Class (B) (01-15) (Allowed class for Maid Status) Service Restriction Class (C) (01-15) |
| 2 | X ₂ | X ₃ | X ₄ | X ₅ | X ₆ | X ₇ | X ₈ | X ₉ | | | |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CM20</div> | <p>Assign the access code for Maid Status.</p> | <ul style="list-style-type: none"> YY=0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 029 | | | | | | | | | |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CMD015</div> | <p>Assign the Class of Service for Maid Status.</p> | <ul style="list-style-type: none"> (1) X-XXXX: Station No. (2) Service Class No. (0-15) | | | | | | | | | |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CMD016</div> | <p>Assign the Maid Status Processing to the Service Class assigned by CMD015.</p> | <ul style="list-style-type: none"> (1) <u>XX</u> 06 <div style="margin-left: 20px;">└─ Service Class No. assigned by CMD015</div> (2) 1: Yes | | | | | | | | | |
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">C</div> | | | | | | | | | | | |

PAD LOCK (1300 Series Enhancement)

C

CMD031

D

DESCRIPTION

DATA

Allow each Status Number (Restricted/ Normal) to change the Status Number from the station.

Note: *Desired number can be assigned for the Status Number of each status.*

Assign the originating function, the incoming call function, and the other function to each Status Number as following table.

| ROOM STATUS No. | FUNCTION | | | | | | | |
|--------------------|----------|----|-----|-----|----|----|----|----|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| 1 (Restricted) | 1 | 0 | 0/1 | 0/1 | 0 | 0 | 0 | 0 |
| 2 (Normal) | 0 | 1 | 0/1 | 0/1 | 0 | 0 | 0 | 0 |

(1) 1 31
 └── Status No. (Restricted) **Note**
 └── Allowed to change the Status No. from the station

(2) 1: Yes

(1) 2 31
 └── Status No. (Normal) **Note**
 └── Allowed to change the Status No. from the station.

(2) 1: Yes

(1) 1 00
 └── Status No. (Restricted)
 └── No originating allowed (Room Cut Off)

(2) 1: Yes

(1) 1 01
 └── Status No. (Restricted)
 └── Originating allowed (Room Cut Off Reset)

(2) 0◀ : No

(1) 2 00
 └── Status No. (Normal)
 └── No originating allowed (Room Cut Off)

(2) 0◀ : No

(1) 2 01
 └── Status No. (Normal)
 └── Originating allowed (Room Cut Off Reset)

(2) 1: Yes

PAD LOCK (1300 Series Enhancement)

| | DESCRIPTION | DATA |
|---|---|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">D</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CMD031</div> | | |
| | | <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> <p>(1) <u>X XX</u> ├── Status No. (1/2) └── 02: Station cannot be called (Do Not Disturb Set) 03: Station can be called (Do Not Disturb Reset)</p> <p>(2) 0◀ : No 1: Yes</p> </div> |
| | | <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> <p>(1) <u>X XX</u> ├── Status No. (1/2) └── 04~07 (See the above table)</p> <p>(2) 0◀ : No</p> </div> |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CMD000</div> | <p>Specify the system to do not print the Maid Status Record out.</p> | <p>(1) 150 (Maid Status Record Printing) (2) 1: Not available</p> |
| <div style="text-align: center;"><u>END</u></div> | | |

PAD LOCK (1300 Series Enhancement)

2. In case of a system without AP card (PN-AP01):

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Designate the MP card for Authorization Code. | <ul style="list-style-type: none"> (1) 216: Designation of Processor for Authorization Code (2) 0: MP (PN-CP00) card |
| | Specify the Service Set Tone after dialling the access code for Authorization Code. | <ul style="list-style-type: none"> (1) 362: Provision of Service Set Tone after dialling the access code (2) 1◀ : To be provided |
| | Set the data for 281 to 1. (Maid ID Code is not used.) | <ul style="list-style-type: none"> (1) 281 (2) 1◀ : Not available |
| CM15 | Assign the Service Restriction Class (A) allowed for Authorization Code feature. | <ul style="list-style-type: none"> • YY:31 (Authorization Code) (1) Service Restriction Class (A) (00-15) (2) 1t: Allowed |
| | Assign allowed class and restricted class for Maid Status features. | <ul style="list-style-type: none"> • YY=75 (Maid Status) (1) Service Restriction Class (B) (00-15) (2) 0: Restricted 1t: Allowed |
| CM12 | To the station that uses PAD LOCK feature, assign the Service Restriction Class (A) allowed for Authorization Code feature. Moreover, to all the station, assign the Service Restriction Class (B) restricted for Maid Status feature. | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) <u>XX XX</u> <ul style="list-style-type: none"> └─ Service Restriction Class (A) └─ Service Restriction Class (B) |
| CM20 | Assign the access code for Authorization Code. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) 086: Authorization Code |
| A | | |

PAD LOCK (1300 Series Enhancement)

| | DESCRIPTION | DATA |
|--------|--|---|
| A | | |
| CM42 | Specify the maximum number of digits for Authorization Code. | (1) 11: Authorization Code Max. digits (2) Max. number of digits 01: 1 digit ? ? 08: 8 digits NONE ◀ : 8 digits |
| CM2A | Set the Authorization Code. Set the purpose and the Temporary Service Class of each Authorization Code. Service Restriction Class (B) of the Temporary Service Class should be set to the allowed class for Maid Status. | <ul style="list-style-type: none"> • Y=0 <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) X-X...X: Authorization Code • Y=1 (Purpose of the Code) <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) 1 : Authorization Code • Y=3 <ul style="list-style-type: none"> (1) XX: Code Serial No. (00-99) (2) XX XX: <ul style="list-style-type: none"> └── Service Restriction Class (A) (00-15) └── Service Restriction Class (B) (00-15) (Allowed class for Maid Status) |
| CM20 | Assign the access code for Maid Status. | <ul style="list-style-type: none"> • YY=0-3 (Numbering Plan Group 0-3) <ul style="list-style-type: none"> (1) X-XXX (Access Code) (2) 029 |
| CMD015 | Assign the Class of Service for Maid Status. | <ul style="list-style-type: none"> (1) X-XXXX: Station No. (2) Service Class No. (00-15) |
| B | | |

PAD LOCK (1300 Series Enhancement)

B

CMD016

DESCRIPTION

Assign the Maid Status Processing to the Service Class assigned by CMD015.

DATA

- (1) XX 06
 └── Service Class No. assigned by CMD015
- (2) 1: Yes

CMD031

Allow each Status Number (Restricted/ Normal) to change the Status Number from the station.

Note: *Desired number can be assigned for the Status Number of each status.*

- (1) 1 31
 └── Status No. (Restricted) **Note**
 └── Allowed to change the Status No. from the station
- (2) 1: Yes

- (1) 2 31
 └── Status No. (Normal) **Note**
 └── Allowed to change the Status No. from the station
- (2) 1: Yes

Assign the originating function, the incoming call function, and the other function to each Status Number as following table.

| ROOM STATUS No. | FUNCTION | | | | | | | |
|--------------------|----------|----|-----|-----|----|----|----|----|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| 1 (Restricted) | 1 | 0 | 0/1 | 0/1 | 0 | 0 | 0 | 0 |
| 2 (Normal) | 0 | 1 | 0/1 | 0/1 | 0 | 0 | 0 | 0 |

- (1) 1 00
 └── Status No. (Restricted)
 └── No originating allowed (Room Cut Off)
- (2) 1: Yes

- (1) 1 01
 └── Status No. (Restricted)
 └── Originating allowed (Room Cut Off Reset)
- (2) 0◀ : No

- (1) 2 00
 └── Status No. (Normal)
 └── No originating allowed (Room Cut Off)
- (2) 1: No

C

PAD LOCK (1300 Series Enhancement)

| | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto; text-align: center;">C</div> <div style="border: 1px solid black; padding: 2px; width: 80px; margin: 20px auto; text-align: center;">CMD031</div> | Assign the incoming call function to each Status Number. | <div style="margin-left: 20px;"> (1) <u>2 01</u> ├── Status No. (Normal) └── Originating allowed (Room Cut Off Reset) </div> <div style="margin-left: 20px;"> (2) 1: Yes </div> |
| <div style="border: 1px solid black; padding: 2px; width: 80px; margin: 20px auto; text-align: center;">CMD000</div> | Specify the system to do not print the Maid Status Record out. | <div style="margin-left: 20px;"> (1) <u>X XX</u> ├── Status No. (1/2) └── 02: Station cannot be called (Do Not disturb Set) 03: Station can be called (Do Not Disturb Reset) </div> <div style="margin-left: 20px;"> (2) 0◀ : No 1: Yes </div> |
| <div style="border: 1px solid black; padding: 2px; width: 80px; margin: 20px auto; text-align: center;">END</div> | | <div style="margin-left: 20px;"> (1) <u>X XX</u> ├── Status No. (1/2) └── 04~07 (See the above table) </div> <div style="margin-left: 20px;"> (2) 0◀ : No </div> |
| | | (1) 150 (Maid Status Record Printing) (2) 1: Not available |

HARDWARE REQUIRED

PN-AP00 card

PN-AP01 card is required for providing the Authorization Code:

- exceeding 8 digits.
- with check code.
- total of more than 100 codes.

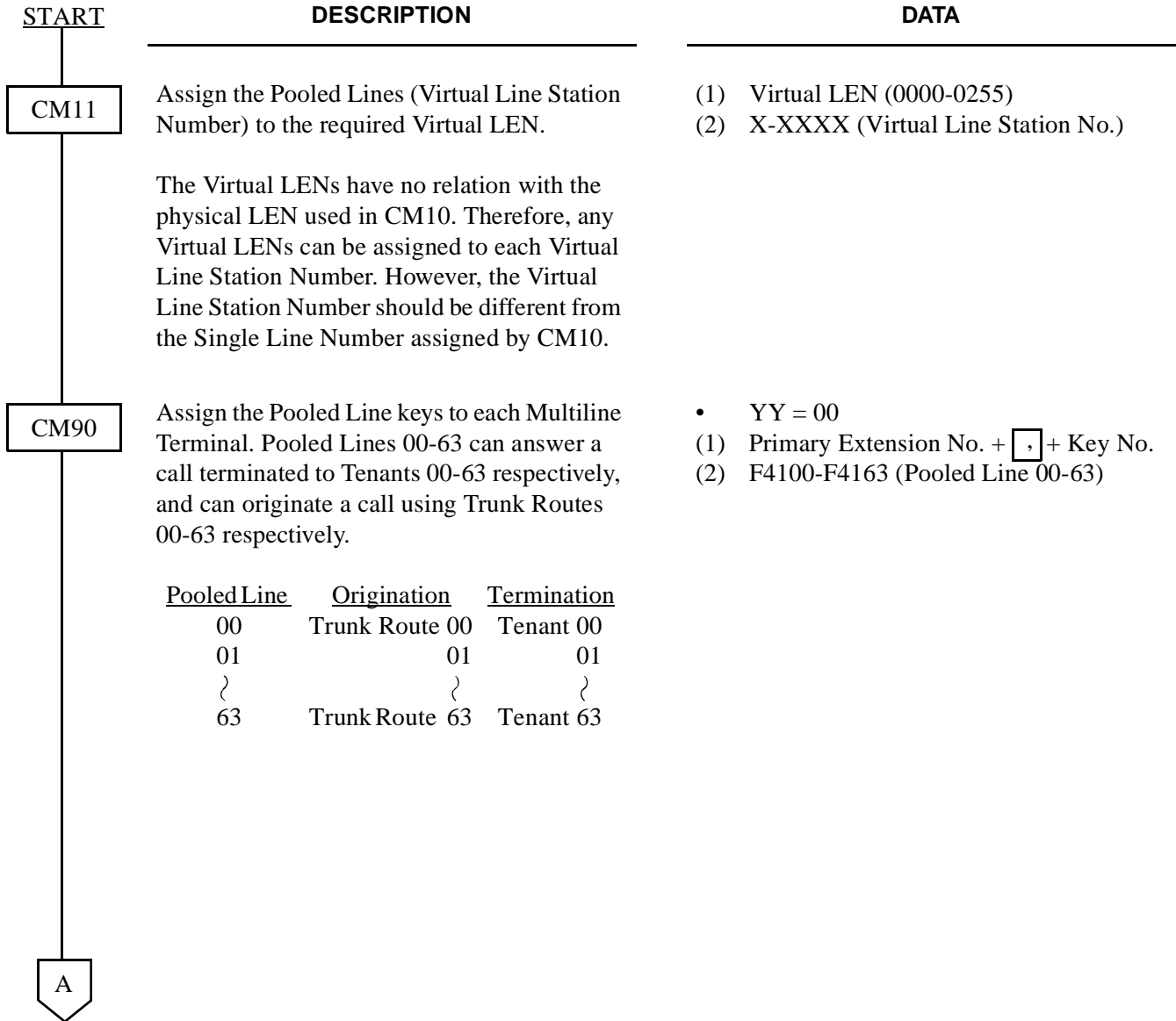
PERIODIC TIME INDICATION TONE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM08 | Provide the system with this feature (for C.O lines). Specify this service on a Tie Line Call. | (1) 135 (2) 0: To be provided (1) 136 (2) 0/1 ◀ : To be provided/Not to be provided. |
| CM12 | Assign the Class of Service for this feature to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class B (00-15 ◀)] • CM15 YY = 61 |
| CM15 | | |
| CM13 | Assign as Ordinary Station the required stations. If assigned to 0 (Analog Data Station), this feature will not be applied to the station. | <ul style="list-style-type: none"> • YY = 07 (1) X-XXXX (Station No.) (2) 1 ◀ : Ordinary Station |
| CM41 | Specify the interval time for Periodic Time Indication Tone. | <ul style="list-style-type: none"> • Y = 0 (1) 09 (2) 00: 36 sec. 01-12: 64-724 sec. in 60 sec. increments If no data is set, the default setting is 180-184 seconds. |
| END | | |

POOLED LINE ACCESS

PROGRAMMING



POOLED LINE ACCESS

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM30</div> | <p>Assign a Trunk Route No. and Tenant No. to the trunks in the Pooled Line group.</p> <p>Note: <i>Refer to the Command Manual for the Resident System Program.</i></p> <p>Specify the terminating system, including TAS, of the trunks in the Pooled Line group.</p> | <ul style="list-style-type: none"> • YY = 00 (Trunk Route Allocation) <ul style="list-style-type: none"> (1) 000-255 (Trunk No.) (2) 00-63 (Trunk Route No.) Note • YY = 01 (Allocation of tenants to trunks) <ul style="list-style-type: none"> (1) 000-255 (Trunk No.) (2) 00-63 (Tenant No.) (00) • YY = 02 (Terminating System in Day mode) • YY = 03 (Terminating System in Night mode) <ul style="list-style-type: none"> (1) 000-255 (Trunk No.) (2) 03: Trunk-Direct Appearances and TAS 13: TAS 19: SN610 ATTCON + TAS 20: SN610 ATTCON + Trunk Direct Appearances + TAS |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM08</div> | <p>Specify whether call terminating is indicated on the Pooled Line keys assigned by CM90-F4100-F4163.</p> | <ul style="list-style-type: none"> (1) 116 (2) 0/1 ◀ : Available/Not Available |
| <div style="text-align: center;">END</div> | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/4DLCA card.

POWER FAILURE TRANSFER

PROGRAMMING

To use the PN-AUC card:

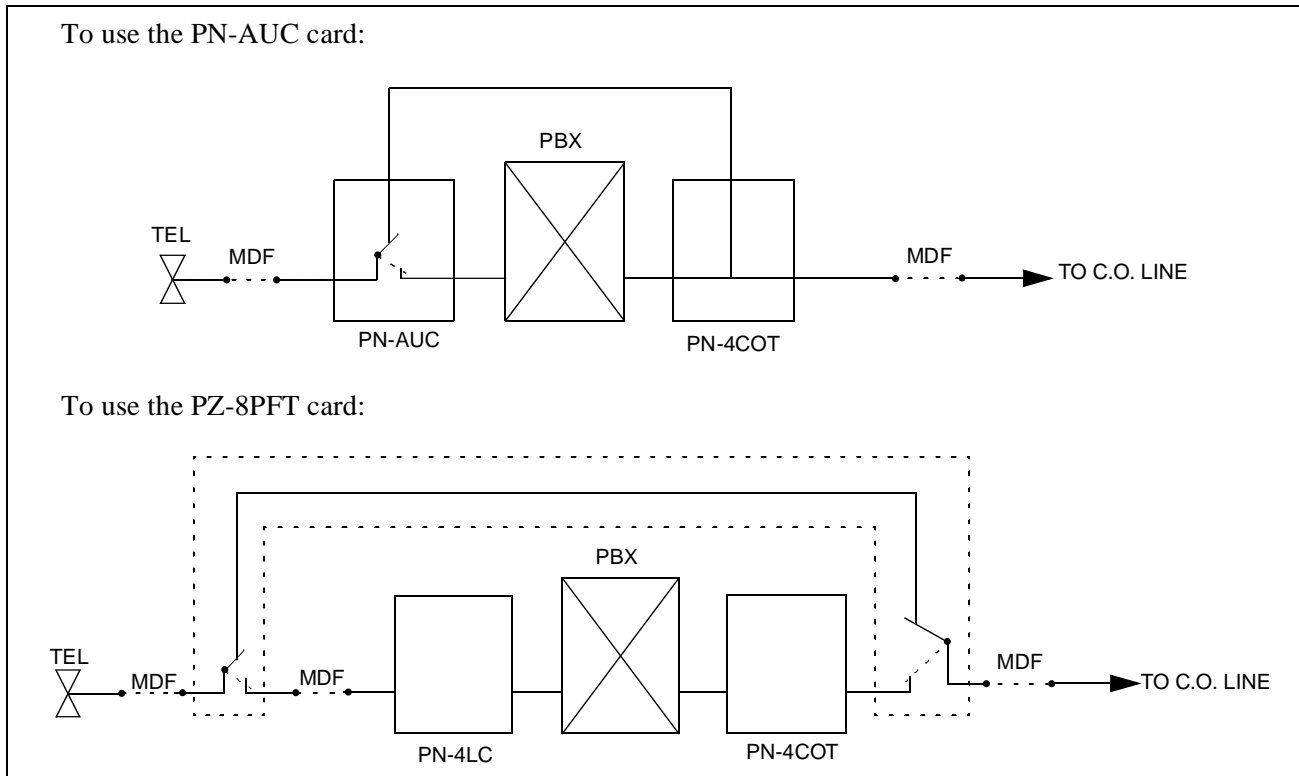
| START | DESCRIPTION | DATA |
|-------|---|--|
| CM10 | Assign the PN-AUCA cards to the required LENSs. | (1) LEN: 0000-0511 (2) X-XXXX: Station No. |
| END | Assign the PN-4COT cards to the required LENSs. | (1) LEN: 0000-0511 (2) D000-D255: Trunk No. |

To use the PZ-8PFT card:
No programming is required.

HARDWARE REQUIRED

PN-AUC card and PN-4COT card, or PZ-8PFT card.

Make the following connections between the cards. For details, refer to the MDF cross connection for the PFT in the INSTALLATION PROCEDURE MANUAL.



PRIORITY CALL

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM12 | Assign the Class of Service for Priority Call to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 (Service Rest. Class A 00-15◀) |
| CM15 | | <ul style="list-style-type: none"> • CM15 • YY = 17 (Priority Call 0) • YY = 18 (Priority Call 1) (1) 00-15 (Service Restriction Class A assigned by CM12 YY = 02) (2) 1◀ : Allowed |
| CM20 | Assign the access code for Priority Calls 0 and 1 respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 088: Priority Call 0 089: Priority Call 1 |
| CM08 | Specify the destination for Priority Calls 0 and 1. | <ul style="list-style-type: none"> (1) 250 (For Priority Call 0) (2) 0: Same Station as Off Hook Alarm 1◀ : SN610 ATTCON (1) 251 (For Priority Call 1) (2) 0: Same station as Off-Hook Alarm 1◀ : SN610 ATTCON |
| CM90 | If CM08-250/251 is set to "1", assign the Priority Calls 0 and 1 to any Priority Call Keys on SN610 ATTCON. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. + [] + Key No. (2) F6054: Priority Call 0 F6055: Priority Call 1 |
| CM51 | If CM08-250/251 is set to "0", assign the destination of Priority Calls 0 and 1 to the desired station. | <ul style="list-style-type: none"> • YY = 12 (1) Tenant No. (00-63) (2) X-XXXX (Station No.) |
| END | | |

PRIVACY/PRIVACY RELEASE

PROGRAMMING

| <u>START</u> | DESCRIPTION | DATA |
|--------------|---|---|
| CM12 | Assign the Class of Service for Privacy Release to the required stations. | • CM12YY = 02 (1) X-XXXX: Primary Extension No. |
| CM15 | | (2) <u>XXXX</u> *a *a: Service Rest. Class B (00-15 ◀) |
| <u>END</u> | | • CM15 YY = 63 (1) 00-15 (Service Rest. Class B assigned by CM12 YY = 02) (2) 1◀ : Allowed |

PRIVATE LINES

PROGRAMMING

When providing Private Lines for a single line or Multiline Terminal, do the following TRUNK-DIRECT APPEARANCES programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM12 | Assign the trunks to be seized on a per-station basis. | <ul style="list-style-type: none">• YY = 16(1) X-XXXX: Station number(2) D000-D255: Trunk number |
| CM35 | Specify the designated seizure of trunks on a per-trunk route basis. | <ul style="list-style-type: none">• YY = 98(1) Trunk route number (00-63)(2) 0/1 ◀ : Private Lines/No Private Lines |
| CM42 | Specify the number of times to hunt through the trunks within the trunk route. | <ul style="list-style-type: none">(1) 08(2) 01-16: One time-16 times <p>If data is not set, the default setting (none) is 00 (no seizure when the designated trunk is busy). To assign default setting, assign "ccc".</p> |
| <u>END</u> | | |

PROPRIETARY MULTILINE TERMINAL

PROGRAMMING

| START | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | | |
|--|---|--|----------|----|----------------|----|-------------|----|-------------|----|-----------------|----|--------------|----|-------------|----|-------------|----|--------------|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign the Multiline Terminal Number to the associated LEN.</p> <p>Note: <i>When PN-4DLC card is accommodated, the Multiline Terminal Number must be assigned for the all lines (4 lines) of the card.</i></p> | <ul style="list-style-type: none"> (1) 0000-0511 (LEN No.) (2) FX-FXXXX: Multiline Terminal No.X-XXXX represents Primary Extension No. | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign the Class of Service for the accommodation of Single Line Telephone to Multiline Terminal, if required (Assignment for Single Line Telephone only).</p> | <ul style="list-style-type: none"> • YY = 05 (1) X-XXXX: Station No. (2) 0: Accommodated | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign the station numbers, trunk numbers or service feature access keys on each Multiline Terminal, if required.</p> <p>Assign the Dedicated Feature Keys as follows.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Key No.</th> <th style="text-align: center;">2nd Data</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">17</td><td style="text-align: center;">F1015 (RECALL)</td></tr> <tr><td style="text-align: center;">18</td><td style="text-align: center;">F1011 (FNC)</td></tr> <tr><td style="text-align: center;">19</td><td style="text-align: center;">F1012 (CNF)</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">F1000 (LNR/SPD)</td></tr> <tr><td style="text-align: center;">21</td><td style="text-align: center;">F1016 (SPKR)</td></tr> <tr><td style="text-align: center;">22</td><td style="text-align: center;">F4000 (ANS)</td></tr> <tr><td style="text-align: center;">23</td><td style="text-align: center;">F1004 (TRF)</td></tr> <tr><td style="text-align: center;">24</td><td style="text-align: center;">F1010 (HOLD)</td></tr> </tbody> </table> <p><i>No data setting is required for the ◀ ▶ keys.</i></p> <p>Specify whether call termination is indicated on the Call Indicator Lamp or not on each line key.</p> | Key No. | 2nd Data | 17 | F1015 (RECALL) | 18 | F1011 (FNC) | 19 | F1012 (CNF) | 20 | F1000 (LNR/SPD) | 21 | F1016 (SPKR) | 22 | F4000 (ANS) | 23 | F1004 (TRF) | 24 | F1010 (HOLD) | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (01-16) (2) Refer to Command Manual (CM90) • YY = 00 (1) Primary Extension No. + + Key No. (17-24) (2) See left table |
| Key No. | 2nd Data | | | | | | | | | | | | | | | | | | | |
| 17 | F1015 (RECALL) | | | | | | | | | | | | | | | | | | | |
| 18 | F1011 (FNC) | | | | | | | | | | | | | | | | | | | |
| 19 | F1012 (CNF) | | | | | | | | | | | | | | | | | | | |
| 20 | F1000 (LNR/SPD) | | | | | | | | | | | | | | | | | | | |
| 21 | F1016 (SPKR) | | | | | | | | | | | | | | | | | | | |
| 22 | F4000 (ANS) | | | | | | | | | | | | | | | | | | | |
| 23 | F1004 (TRF) | | | | | | | | | | | | | | | | | | | |
| 24 | F1010 (HOLD) | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | <ul style="list-style-type: none"> • YY = 05 (1) Primary Extension No.+ + Key No. (01-16) (2) 0: Not to be indicated 1◀ : To be indicated | | | | | | | | | | | | | | | | | | | |

PROPRIETARY MULTILINE TERMINAL

| | DESCRIPTION | DATA |
|------------|---|--|
| A | | |
| CM08 | Assign the Outgoing Call Preset/Answer Preset functions to Multiline Terminal, if required. | (1) 145 (2) 0: To be provided 1◀ : Not to be provided |
| | Assign whether the answer key rings on TAS and Pooled Line or not. | (1) 116 (2) 0: Available 1◀ : Not Available |
| CM41 | Specify the Delayed Ringing timing. | <ul style="list-style-type: none"> • Y = 1 (1) 09 (2) 01-20: 2-40 sec. in 2 sec. increments If no data is set, the default setting is 10 seconds. |
| CM30 | Provide Trunk-Direct Appearances to the trunk number. | <ul style="list-style-type: none"> • YY = 18 (1) Trunk No. (000-255) (2) 0: To be provided. |
| <u>END</u> | | |

PROPRIETARY MULTILINE TERMINAL

To provide the key number 30 through 37 of Multiline Terminal (ETJ-24DS-1/DTP-32-1/DTP-32D-1), do the following programming.

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign the dummy terminal number (Add-On-Module number) for the key number 30 through 37.</p> <p>Note: <i>When the data assignment of both Add-On Module and DSS Console are required, do not use the same number (the last two digits of the data).</i></p> | <p>(1) 0000-0511 (LEN No.)</p> <p>(2) EC00-EC31: Add-On Module No. For PIM0/1: EC00-EC07 For PIM2/3: EC08-EC15 For PIM4/5: EC16-EC23 For PIM6/7: EC24-EC31</p> <p>Note: <i>EC00-EC31 may be assigned in any PIM for 1900 series software.</i></p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM98</div> | <p>Assign the Multiline Terminal associated with the dummy terminal (Add-On Module).</p> <p>Note: <i>This data must be assigned before the data assignment of CM90.</i></p> | <ul style="list-style-type: none"> • Y=0 (1) 00-31: Add-On Module No. (Last two digits of EC00-EC31 assigned by CM10) (2) X-XXXX: Primary Extension No. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign station numbers, trunk numbers, or service feature access keys to key numbers 30 through 37.</p> <p>Specify whether to indicate call termination on the Call Indicator Lamp or on each line key.</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Add-On Module Key No. (30-37) (2) Refer to Command Manual (CM90) • YY=05 (1) Primary Extension No. + + key No. (30-37) (2) 0 : Not indicated 1◀ : Indicated |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> | | |

PROPRIETARY MULTILINE TERMINAL

To select the language indicated on the LCD of the Multiline Terminal, set the following data.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|------------------------------------|--|
| CM04 | Select language to display on LCD. | <ul style="list-style-type: none">• YY = 00(1) 00(2) 1 : English2 : French7 ◀ : Depends on nation code |
| <u>END</u> | | |

To Accommodate the Series E Multiline Terminal with Series III mode or to accommodate the Elite Terminal, do the following programming.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM12 | Specify the type of Multiline Terminal accommodated in each DLC card. <div style="text-align: center;">(INITIAL)</div> <p>Note 1: For PN-4DLCD or 4DLCA cards, assign this data to the first LEN (Level 0) of each 4 posts DLC card. For PN-8DLCD cards, assign this data to first (Level 0) and fifth (Level 4) LENS of each 8 post card.</p> <p>Note 2: For 4-wire type DLC card (2DLCC, 4DLCF), this data is not required.</p> <p>Note 3: The same type of Multiline Terminals must be accommodated in the same DLC card. For detail conditions, refer to the CM12 YY = 17 in the Command Manual.</p> | <ul style="list-style-type: none">• YY = 17(1) XXXX: Primary Extension No.(2) 0 ◀ : Series E (Series III mode)1 : Elite3 : Series E (Series E mode), Series III, E-pro |
| <u>END</u> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: AUTOMATIC IDLE RETURN

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---------------------------------------|-------------------------------|
| CM08 | Provide the system with this feature. | (1) 172 (2) 1◀ : Available |
| <u>END</u> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: CALLING NAME AND NUMBER

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|---|---|
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">CM08</div> | Specify station number and name display when an incoming call begins ringing. | (1) 335 (2) 0 : Station number and name display only when incoming call terminates to prime line. 1 ◀ : Station number and name display when incoming call terminates to prime line or primary extension. |
| <u>END</u> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: DIGITAL SINGLE LINE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM12 | | YY = 07:Service Restriction Class C (1) Station X-XXXX (2) Restriction Class 00-15 |
| CM15 | Disable Dial Tone Activation when pressing One-Touch Spd. key while terminal is idle. | YY = 87:One-Touch activates DT when Terminal Idle (1) Station Class C (2) 0 : Remain Idle 1 ◀ : Off Hook and Dial Tone |
| CM90 | Assign and delete feature keys. Note: Use Key Number 20 for Redial key. Use Key Number 23 for Flash key. Prime line should be assigned to Key 9. Digital Single Line is a D ^{term} and can use any key assigned in CM90. However, the Digital Single Line Terminal has no LEDs, speaker, or microphone. Assign any features that can be used without these devices. | YY = 00:Key Data (1) X-XXXX: Primary Extension No. + <input type="text"/> + Key #. (2) F1100 - F1199: Station Speed Dial F1012: <input type="text"/> Conference key This key is required to program speed dial keys. F0069: Last number redial (Key #20) F1004: <input type="text"/> Transfer key (Key #23) |
| CM93 | Assign prime line to primary extension. | (1) Primary Extension #: X-XXXX (2) Prime Line: X-XXXX |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: DYNAMIC DIAL PAD (1900 Series Enhancement)

PROGRAMMING

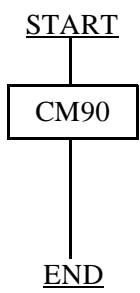
Do the following programming to make an outgoing call. Press any key on the dial pad of a Multiline Terminal, without pressing a Speaker key or going off hook.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM93 | Assign a Prime line to the Multiline Terminal. | <ul style="list-style-type: none"> (1) X-XXXX: Primary Extension No. (2) X-XXXX: Station No. |
| CM12 | Assign Service Restriction Class A to each station. | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) XX: Service Restriction Class A (00-15◀) |
| CM15 | Assign this service to Service Restriction Class A assigned by CM12 YY=02. | <ul style="list-style-type: none"> • YYY=120 (1) 00-15: Service Restriction Class A (2) 0: Allowed |
| <u>END</u> | | |

This page is for your notes.

PROPRIETARY MULTILINE TERMINAL: MULTIPLE LINE OPERATION

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|---|---|
|  <p>START</p> <p>CM90</p> <p>END</p> | Specify whether to enable ringing on call termination to flexible line keys and feature keys. | <ul style="list-style-type: none">• YY = 01(1) Primary Extension No. + <input type="text"/> + Key No.(2) 0/1 ◀ : Disabled/Enabled |

HARDWARE REQUIRED

Multiline Terminal and DLC card

**PROPRIETARY MULTILINE TERMINAL: MUTE KEY
(1900 Series Enhancement)**

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM90 | Assign the MUTE Key to the Multiline Terminal. | <ul style="list-style-type: none">• YY=00(1) Primary Extension No. + <input type="text"/> Key No.(2) F5013 (MUTE) |
| <u>END</u> | | |

This page is for your notes.

PROPRIETARY MULTILINE TERMINAL: OFF-HOOK VOICE ANNOUNCEMENT (1200 Series Enhancement)

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM11 | Assign the Virtual-Line station No. for Off-Hook Voice Announcement. | (1) 0000-0255: Virtual LEN (2) CX-CXXXX: Virtual-Line Station No. for Off-Hook Voice Announcement Note: X-XXXX represents Primary Extension No. of Multiline Terminal. |
| CM90 | Assign the Virtual-line station for Off-Hook Voice Announcement to the required Multiline Terminal. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. (1-4 digits) + . + Key No. (01-16) (2) CX-CXXXX: Virtual-Line Station No. for Off-Hook Voice Announcement assigned by CM11. |
| CM13 | Provide the Off-Hook Voice Announcement to the required Multiline Terminal. | <ul style="list-style-type: none"> • YY=28 (1) X-XXXX: Station No. (1-4 digits) (2) 0: To be provided 1◀ : Not to be provided |
| CM08 | Specify the Voice Call when calling a Multiline Terminal set to Voice First from a Single-Line Telephone or a Multiline Terminal without LCD. | (1) 270 (2) 0: Not provided (Busy Tone) 1◀ : To be provided |
| CM12 | Specify the Voice Call when a called Multiline Terminal goes off-hook while being called via Off-Hook Voice Announcement. | (1) 279 (2) 0: Not to be provided (Ring Tone) 1◀ : To be provided (Voice Call) |
| CM15 | | |
| | Assign the Class of Service of Voice Call (called side) to the required Multiline Terminal. | <ul style="list-style-type: none"> • CM12 YY=02 (1) X-XXXX: Primary Extension No. (2) XX <u>XX</u> *a *a: Service Restriction Class (B) (00-15t) • CM15 YY=67 (1) 00-15: Service Restriction Class (B) assigned by CM12 YY=02 (2) 1◀ : Available |
| A | | |

INITIAL

PROPRIETARY MULTILINE TERMINAL: OFF-HOOK VOICE ANNOUNCEMENT (1200 Series Enhancement)

| A | DESCRIPTION | DATA |
|---|---|---|
| <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">CM15</div> | Assign the Service Restriction Class of Voice Call Mike Off (called side) to the required Multiline Terminal. Note: <i>This feature automatically turns the Microphone off at the called station.</i> | <ul style="list-style-type: none"> • CM12 YY = 07 <ul style="list-style-type: none"> (1) X-XXXX: Primary Extension No. (2) XX: Service Restriction Class C (00-15 ◀) • CM15 YY = 99 <ul style="list-style-type: none"> (1) 00-15: Service Restriction Class C (2) 0 : Available 1 ◀ : Not Available |
| <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">CM15</div> | Assign Service Restriction Class of Answer Hold to the required Multiline Terminal. | <ul style="list-style-type: none"> • CM12 YY = 02 <ul style="list-style-type: none"> (1) X-XXXX: Primary Extension No. (2) <u>XXXX</u> *a *a: Service Restriction Class B (00-15 ◀) • CM15 YY = 72 <ul style="list-style-type: none"> (1) 00-15: Service Restriction Class B (2) 0 : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">CM20</div> | Assign Voice Call/Ring Tone Programming access code. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ul style="list-style-type: none"> (1) X-XXX: Access Code (2) A63 |
| <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">END</div> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card
APR or APA Unit

PROPRIETARY MULTILINE TERMINAL: PRIME LINE PICKUP

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM93 | Assign station or trunk to desired Multiline Terminal Extension as Prime Line. It is recommended that the Primary Extension be assigned as the Prime Line. | <p>(1) X-XXXX: Primary Extension No.</p> <p>(2) X-XXXX: Station No. Note 1, Note 2 DXXX: Trunk No. D000-D255</p> <p>Note 1: <i>Primary Extension No. or Virtual Line No. can be assigned to the Prime Line. However, the data station and Single Line Telephone cannot be assigned to the Prime Line.</i></p> <p>Note 2: <i>By loading the Resident System Program, the Primary Extension Number is assigned as Prime Line Number for all Multiline Terminals.</i></p> |
| <u>END</u> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: RECALL KEY

PROGRAMMING

For internal call:
RECALL Key is initially assigned to all Multiline Terminals.

For internal call:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM35 | Assign the data for hookflash signal sending to the route number assigned by CM30 YY = 00. | <ul style="list-style-type: none">• YY = 16(1) Trunk Route No. (00-63)(2) 1◀ : Sending |
| CM90 | Assign a Flash Over Trunk key to the required Multiline Terminal. | <ul style="list-style-type: none">• YY = 00(1) Primary Extension No. + <input type="text"/> + Key No.(2) F1009 |
| CM41 | Specify duration of the hookflash signal to trunks. | <ul style="list-style-type: none">• Y = 2(1) 17(2) 01-30: 128-1920 msec. in 64 msec. increments <p>If no data is set, default setting is 576-640 msec.</p> |
| <u>END</u> | | |

HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: RELAY CONTROL FUNCTION

PROGRAMMING

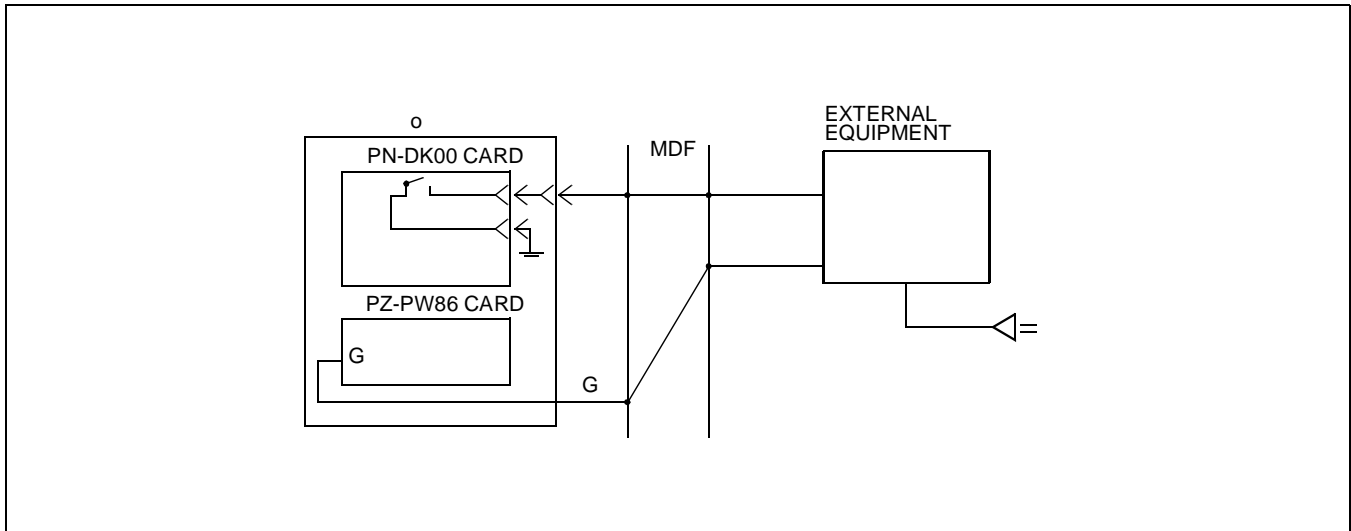
| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign the PN-DK00 card to the required LEN.</p> <p>Note: <i>The PN-DK00 card No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i></p> | <p>(1) LEN: 0000-0511</p> <p>(2) E800-E831: PN-DK00 card No.</p> <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px; display: inline-block;"> <p>For PIM0/1: E800-E807</p> <p>For PIM2/3: E808-E815</p> <p>For PIM4/5: E816-E823</p> <p>For PIM6/7: E824-E831</p> </div> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM44</div> | <p>Assign the function of relay control via Multi-line Terminal to the PN-DK00.</p> | <p>(1) $\frac{X}{*a} \frac{XX}{*b}$</p> <p style="margin-left: 20px;">*a: Card No. (00-31) assigned by CM10, E800-E831</p> <p style="margin-left: 20px;">*b: Circuit No. (0-3)</p> <p>(2) $\frac{15}{*a} \frac{00}{*b}$</p> <p style="margin-left: 20px;">*a: Relay Control Function Key</p> <p style="margin-left: 20px;">*b: Relay Control (On/Off) Via Multi-line Terminal</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM90</div> | <p>Assign the Relay Control (ON/OFF) key on the required Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. (1-4 digits) + + Key No. (2) F7 $\frac{X}{*a} \frac{XX}{*b}$ <li style="margin-left: 20px;">*a: Card No. (00-31) assigned by CM10 E800-E831 <li style="margin-left: 20px;">*b: Circuit No. (0-3) assigned by CM44 |
| <u>END</u> | | |

PROPRIETARY MULTILINE TERMINAL: RELAY CONTROL FUNCTION

HARDWARE REQUIRED

- PN-DK00 card
- External equipment provided locally
- Multiline Terminal and DLC card
- SN610 ATTCON and DLC card

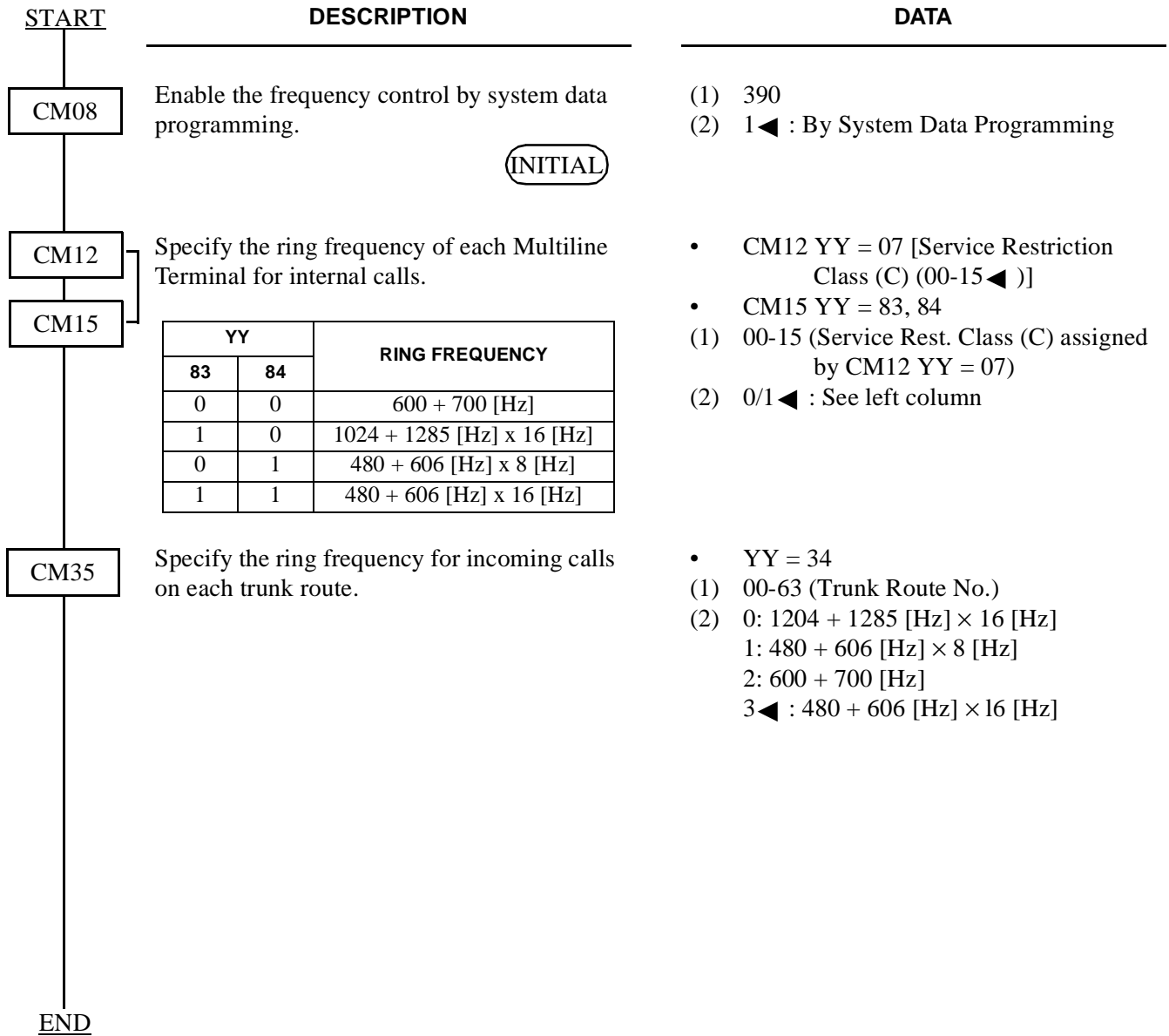
To accommodate the external equipment, make the following connection at the MDF. For details, refer to the MDF cross connection for an External Equipment in the INSTALLATION PROCEDURE MANUAL.



PROPRIETARY MULTILINE TERMINAL: RING FREQUENCY CONTROL

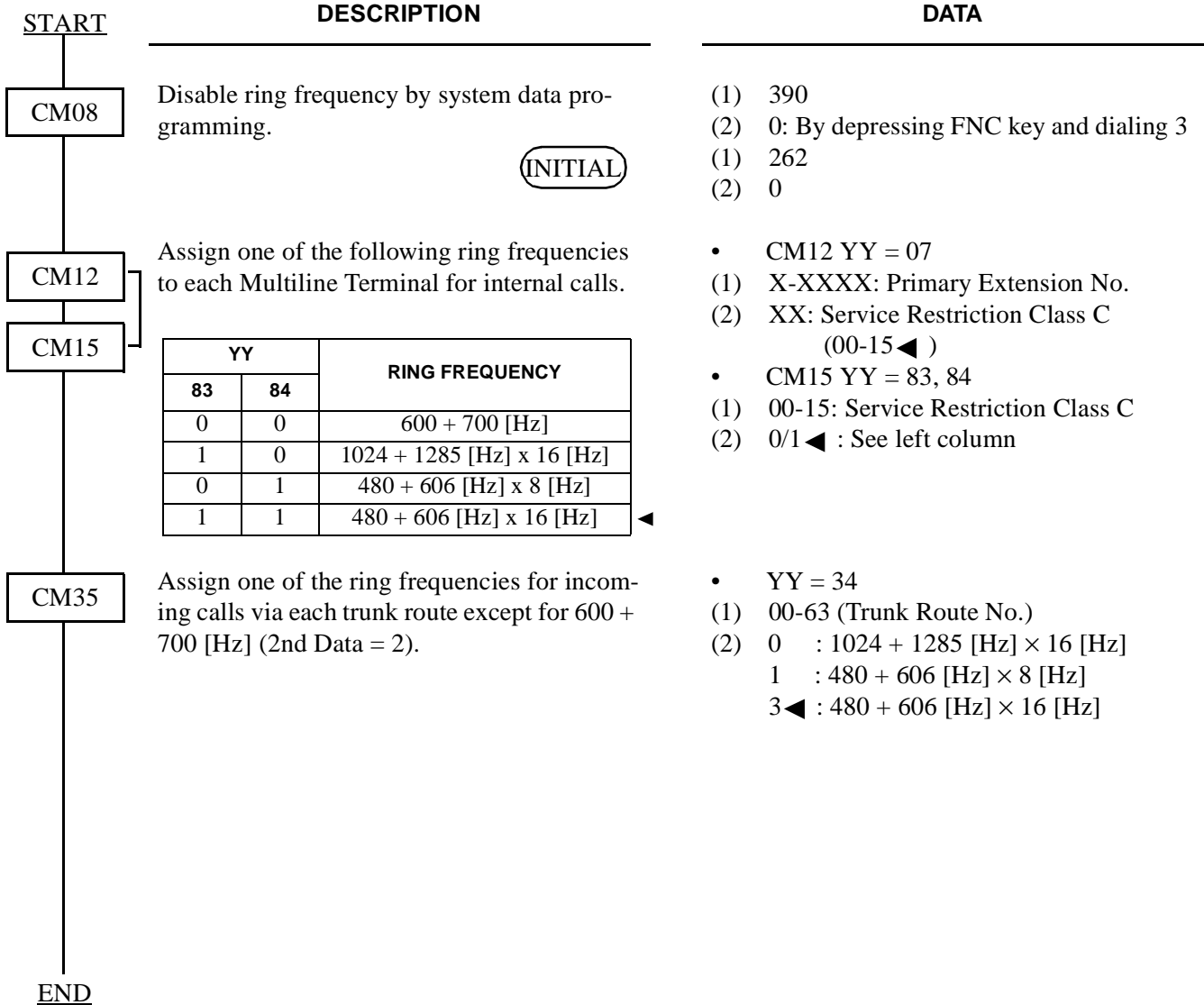
PROGRAMMING

To control the ring frequency by system data programming;



PROPRIETARY MULTILINE TERMINAL: RING FREQUENCY CONTROL

To control the ring frequency at the Multiline Terminal:



HARDWARE REQUIRED

Multiline Terminal and DLC card

PROPRIETARY MULTILINE TERMINAL: SOFT KEY

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM12 | <p>Specify whether Soft Key feature is available to each Multiline Terminal.</p> <p>Assign Soft Key Pattern to each Multiline Terminal.</p> | <ul style="list-style-type: none">• YY=22<ol style="list-style-type: none">(1) X-XXXX: Primary Extension No.(2) 0 : Available 1 ◀ : Not available• YY=23<ol style="list-style-type: none">(1) X-XXXX: Primary Extension No.(2) 0 : Soft Key Pattern No. 0 1 : Soft Key Pattern No. 1 2 : Soft Key Pattern No. 2 3 ◀ : Soft Key Pattern No. 3 |
| A | | |

PROPRIETARY MULTILINE TERMINAL: SOFT KEY

| A | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM9A</div> | <p>Assign the function of each Soft Key on each status of the Multiline Terminal.</p> <p>To the 2nd data of this command, the 2nd data (F0XXX, F1XXX, F50XX) of CM90 should be assigned except for Scroll Key data (F5002).</p> <p>The LED shows a maximum of 4 Soft Keys at once. If assigning more than 4 Soft Keys on one status, it is necessary to assign Scroll key at every 4 keys (on 1st through 4th display).</p> <p>Note 1: <i>Scroll key must be assigned as a key for each active display.</i></p> <p>Note 2: <i>Help key is only available in Pattern No. 3.</i></p> <p>Note 3: <i>For the Pattern No. 3, the initial Soft Key data for NEAX Mail AD-8 live recording is assigned. See the following section.</i></p> <p>Note 4: <i>Pattern No. 3 is fixed. If Pattern No. 3 is changed, only way to reset to default is to clear all data in PBX and load the Resident System Program.</i></p> | <ul style="list-style-type: none"> • YY=00-03 (Soft Key Pattern No. 0-3 assigned by CM12 YY=23) <p>(1) $\frac{XX}{*a} \frac{XX}{*b}$</p> <p>*a: Status Number 00-15</p> <ul style="list-style-type: none"> 00: Idle state 01: During dialing (Holding no call) 02: During dialing (Holding station/trunk) 03: During calling (Holding no call) 04: During calling (Holding station/trunk) 05: Being called 06: When called party is busy (Holding no call) 07: When called party is busy (Holding station/trunk) 08: When called party is setting DND 09: Trunk busy 10: During speaking (Holding no call) 11: During speaking (Holding station/trunk) 12: During live recording/after live recording to NEAX Mail AD-8 <p>Note 3</p> <p>13-15: Not used</p> <p>*b: Soft Key No. 00-15</p> <ul style="list-style-type: none"> 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display <p>(2) F5002 : Scroll key to change Soft Key Indication</p> <p>XXXXX: Setting of each function (Same as "F0XXX, F1XXX, F50XX" of CM90)</p> |
| | <p>Assign the Characters indicated on each status of the Multiline Terminal, corresponding to the Soft Key function assigned by CM9A YY=00-03.</p> | <ul style="list-style-type: none"> • YY=10-13 (Soft Key Pattern No. 0-3 assigned by CM12 YY=23) <p>(1) Same as YY=00-03</p> <p>(2) Characters (Max. 6 characters)</p> <p><i>See the following page.</i></p> |

END

PROPRIETARY MULTILINE TERMINAL: SOFT KEY

NAME ASSIGNMENT

Character Code Table

| | 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 | ← |

PROPRIETARY MULTILINE TERMINAL: SOFT KEY

To provide the Soft Keys for NEAX Mail AD-8 live recording, assign the following data. (1900 Series Release 2 Enhancement)

| START | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|------------|--|-----------------------------|----------|----------|------|-----------------|------|------|---------------|-------|------|-------------|-----|------|----------------|------|------|-------------------|-------|------|---------------|-------|------|-------------|-----|------|----------------|------|------|---------------------|-------|------|------|--|------|------|--|------|----------------|------|
| CM90 | Provide the Record key on the feature key of the Multiline Terminal. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (01-16) (2) F1091 (Record) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CM9A | Assign the function of each Soft Key for NEAX Mail AD-8 live recording. <p>Note: <i>For the Pattern No. 3, the initial Soft Key data for NEAX Mail AD-8 live recording is assigned as follows.</i></p> | <ul style="list-style-type: none"> • YY=00-03 (Soft Key Pattern No. 0-3 assigned by CM12 YY=23) (1) 12 <u>XX</u> <ul style="list-style-type: none"> └ Soft Key No. 00-15 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display (2) F1092: Pause F1093: Re-record F1094: End F1095: Erase F1096: Address F1097: Urgent Page • YY=10-13 (Soft Key Pattern No. 0-3 assigned by CM12 YY=23) (1) Same as YY=00-03 (2) Characters (Max. 6 characters) <i>See previous page.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">CM9A YY=03</th> <th rowspan="2" style="text-align: center;">CM9A YY=13 Indication</th> </tr> <tr> <th style="text-align: center;">1st Data</th> <th style="text-align: center;">2nd Data</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1200</td><td style="text-align: center;">F1096 (Address)</td><td style="text-align: center;">Addr</td></tr> <tr><td style="text-align: center;">1201</td><td style="text-align: center;">F1092 (Pause)</td><td style="text-align: center;">Pause</td></tr> <tr><td style="text-align: center;">1202</td><td style="text-align: center;">F1094 (End)</td><td style="text-align: center;">End</td></tr> <tr><td style="text-align: center;">1203</td><td style="text-align: center;">F5002 (Scroll)</td><td style="text-align: center;">>>>></td></tr> <tr><td style="text-align: center;">1204</td><td style="text-align: center;">F1093 (Re-record)</td><td style="text-align: center;">ReRec</td></tr> <tr><td style="text-align: center;">1205</td><td style="text-align: center;">F1095 (Erase)</td><td style="text-align: center;">Erase</td></tr> <tr><td style="text-align: center;">1206</td><td style="text-align: center;">F1017 (MIC)</td><td style="text-align: center;">MIC</td></tr> <tr><td style="text-align: center;">1207</td><td style="text-align: center;">F5002 (Scroll)</td><td style="text-align: center;">>>>></td></tr> <tr><td style="text-align: center;">1208</td><td style="text-align: center;">F1097 (Urgent Page)</td><td style="text-align: center;">Urgnt</td></tr> <tr><td style="text-align: center;">1209</td><td style="text-align: center;">NONE</td><td></td></tr> <tr><td style="text-align: center;">1210</td><td style="text-align: center;">NONE</td><td></td></tr> <tr><td style="text-align: center;">1211</td><td style="text-align: center;">F5002 (Scroll)</td><td style="text-align: center;">>>>></td></tr> </tbody> </table> | | | CM9A YY=03 | | CM9A YY=13 Indication | 1st Data | 2nd Data | 1200 | F1096 (Address) | Addr | 1201 | F1092 (Pause) | Pause | 1202 | F1094 (End) | End | 1203 | F5002 (Scroll) | >>>> | 1204 | F1093 (Re-record) | ReRec | 1205 | F1095 (Erase) | Erase | 1206 | F1017 (MIC) | MIC | 1207 | F5002 (Scroll) | >>>> | 1208 | F1097 (Urgent Page) | Urgnt | 1209 | NONE | | 1210 | NONE | | 1211 | F5002 (Scroll) | >>>> |
| CM9A YY=03 | | CM9A YY=13 Indication | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1st Data | 2nd Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | F1096 (Address) | Addr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1201 | F1092 (Pause) | Pause | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1202 | F1094 (End) | End | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1203 | F5002 (Scroll) | >>>> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1204 | F1093 (Re-record) | ReRec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1205 | F1095 (Erase) | Erase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1206 | F1017 (MIC) | MIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1207 | F5002 (Scroll) | >>>> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1208 | F1097 (Urgent Page) | Urgnt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1209 | NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1210 | NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1211 | F5002 (Scroll) | >>>> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| END | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HARDWARE REQUIRED

Multiline Terminal with Soft Keys (DTP-8D-1, DTP-16D-1, DTP-32D-1) and DLC card

REMOTE HOLD (1900 Series Release 2 Enhancement)

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM12 | Assign Service Restriction Class (A) to each station. | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) XX: Service Restriction Class (A) (00-15◀) |
| CM15 | Assign this service to Service Restriction Class (A) assigned by CM12 YY=02. | <ul style="list-style-type: none"> • YYY=124 (1) XX: Service Restriction Class (A) assigned by CM12 YY=02. (2) 0: Allowed |
| CM41 | Specify the recall timing for Remote Hold. | <ul style="list-style-type: none"> • Y=0 (1) 06 (2) 01-98: 4-392 sec. in 4 sec. increments 99: Recall is not performed <p>If no data is set, the default setting is 236-240 seconds.</p> |
| CM90 | Assign a Hold key to the Multiline Terminal. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (2) F1010 |
| <u>END</u> | | |

This page is for your notes.

RESIDENT SYSTEM PROGRAM

PROGRAMMING

No programming is required. (For the details of programmed system data, refer to the Command Manual.)

RETURN MESSAGE SCHEDULE DISPLAY

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|---|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM12</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 5px;">CM15</div> | Assign the Class of Service for setting a Return Message Schedule. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX (Station No.) (2) <u>XXXX</u> *a <li style="margin-left: 20px;">*a: Service Restriction Class A (00-15◀) • CM15 YY = 19 (1) Service Restriction Class A (00-15) assigned by CM12 YY = 02 (2) 1◀ : Allowed |
| <div style="border: 1px solid black; padding: 2px; width: fit-content;">CM08</div> | Assign whether the call to a station, set for Return Message Schedule Display, gets ringing or Reorder Tone. | <ul style="list-style-type: none"> (1) 334 (2) 0: Available (Ringing) 1◀ : Not Available (ROT Connection) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content;">CM20</div> | Assign an access code for Return Message Schedule set and cancel, respectively. | <ul style="list-style-type: none"> • Y = 0-3 (Number Plan Group 0-3) (1) X-XXX: Access Code (#8) (2) A54: Return Message Schedule Display Set 023: DND and/or Return Message Schedule Display Cancel |
| <u>END</u> | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

RINGING LINE PICKUP

PROGRAMMING

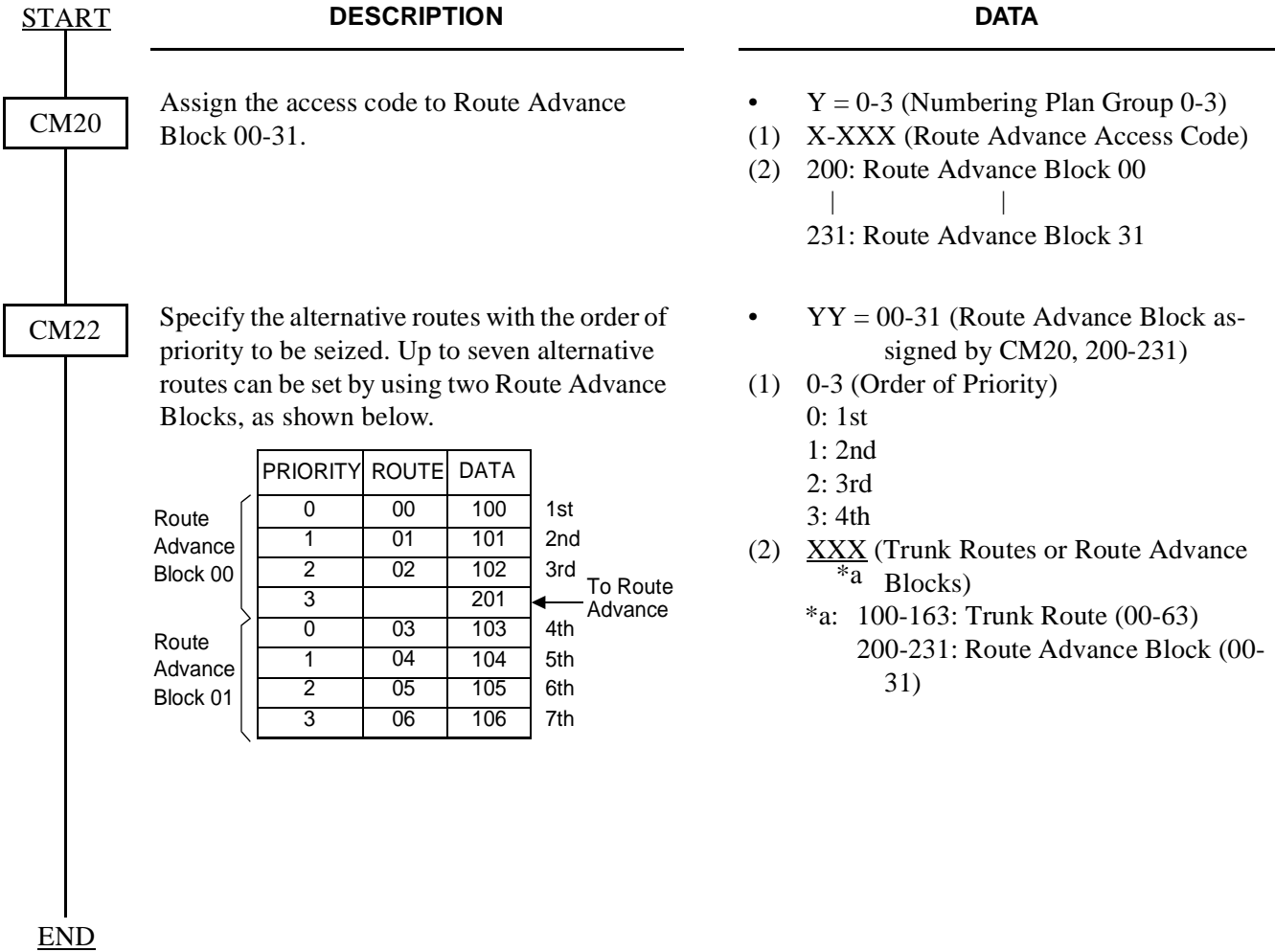
| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM12 | Assign the Class of Service for Ringing-Line Pickup. | <ul style="list-style-type: none">• CM12 YY = 07(1) X-XXXX (Primary Extension)(2) 00-15 ◀ (Service Restriction Class C) |
| CM15 | | |
| CM15 | Assign the Class of Service for Ringing-Line Pickup by ANS key, if required. | <ul style="list-style-type: none">• CM15 YY = 82(1) 00-15 (Service Restriction Class C assigned by CM12 YY = 07)(2) 0: Allowed |
| CM15 | | <ul style="list-style-type: none">• CM15 YY = 86(1) 00-15 (Service Restriction Class C assigned by CM12 YY = 07.)(2) 0: Ringing-Line Pickup by ANS key is provided |
| <u>END</u> | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

ROUTE ADVANCE

PROGRAMMING



SAVE AND REPEAT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM90 | <p>Assign the SAVE & REPEAT key to the Multiline Terminal.</p> <p>Note: <i>Up to three Save and Repeat keys can be assigned per Multiline Terminal.</i></p> | <ul style="list-style-type: none">• YY = 00(1) Primary Extension No. + <input type="text"/> + Key No.(2) F1001, F1013, F1014 |
| <u>END</u> | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

SECURITY ALARM

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM12 | Assign the Hot Line to the Station connected to the contact. | <ul style="list-style-type: none">• YY = 03(1) X-XXXX (Station No.)(2) 04: Hot Line |
| CM52 | Assign the SN610 ATTCON as the Hot Line destination of the Station. | <ul style="list-style-type: none">• YY = 00-99 (Hot Line Pair No.)(1) 0: Calling Side(2) X-XXXX (Station No. associated with the contact closure.)(1) 1: Called Side(2) E00X_{*a} <p>*a: SN610 ATTCON No.0-7 assigned by CM10.</p> |
| <u>END</u> | | |

SIX/TEN-PARTY CONFERENCE

PROGRAMMING

To use this feature by dialing the feature access code:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM10 | Assign the card number of the Conference trunk (CFT card) to the required LENSs. <div style="text-align: right; border: 1px solid black; border-radius: 15px; padding: 2px 10px; display: inline-block;">INITIAL</div> Note: <i>The CFT card number must be assigned to the first LEN (Level 0) of each LT slot.</i> | (1) LEN: 0000-0511 (2) ED00-ED03: CFT card No. |
| CM12 | Assign the Service Restriction Class B for Conference leader. | <ul style="list-style-type: none"> • CM12 YY = 02 (Service Restriction Class A-B) (1) X-XXXX: Primary Extension No. (2) XX XX <input type="checkbox"/> Service Restriction Class B (00-15 ◀) |
| CM15 | | |
| CM20 | Assign the access codes for Conference. | <ul style="list-style-type: none"> • Y = 0-3 (1) X-XXXX: Access code (2) A59:Seizing CFT card for 6-party A60: Seizing CFT card for 10-party A61: Connecting participant in CFT card A62: Forced release of participant |
| <u>END</u> | | |

SIX/TEN-PARTY CONFERENCE

To use this feature by using the feature keys assigned on the Multiline Terminal (1500 Series Enhancement):

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|--|
| CM90 | <p>Assign the feature key for Six/Ten-Party Conference, on the Multiline Terminal of the Conference leader.</p> <p>Assign maximum of 6 or 10 Multiple Line keys on the Multiline Terminal of the Conference leader.</p> | <ul style="list-style-type: none"> • YY=00 <ol style="list-style-type: none"> (1) Primary Extension No. + + key No. (2) F0A85 :6-party conference F0A86 : 10-party conference • YY=00 <ol style="list-style-type: none"> (1) Primary Extension No. + + key No. (2) X-XXXX: Multiple Line No. |
| CM12 | <p>Specify the Multiple Line number set by CM90 to be accommodated to Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY=05 <ol style="list-style-type: none"> (1) X-XXXX: Multiple Line No. (2) 0: Accommodated |
| CM10 | <p>Assign the card number of the Conference trunk (CFT card) to the required LENS.</p> <p style="text-align: right; border: 1px solid black; border-radius: 15px; display: inline-block; padding: 2px 10px;">INITIAL</p> <p>Note: <i>The CFT card number must be assigned to the first LEN (Level 0) of each LT slot.</i></p> | <ol style="list-style-type: none"> (1) LEN: 0000-0511 (2) ED00-ED03: CFT card No. |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">CM12</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">CM15</div> | <p>Assign the Service Restriction Class B for Conference leader.</p> | <ul style="list-style-type: none"> • CM12 YY = 02 (Service Restriction Class A-B) <ol style="list-style-type: none"> (1) X-XXXX: Primary Extension No. (2) XX <u>XX</u> <ul style="list-style-type: none"> └─Service Restriction Class B (00-15 ◀) • CM15 YY = 69 (Conference Leader) <ol style="list-style-type: none"> (1) 00-15:Service Restriction Class B (2) 1 ◀:Allowed |
| <u>END</u> | | |

SOFTWARE LINE APPEARANCE

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM11 | <p>Assign a Software Line Appearance (Virtual-Line Station Number) to the required Virtual LEN.</p> <p>The Virtual LENs have no relation with the physical LENs used in CM10. Therefore, any Virtual LENs can be assigned to each Virtual Line Station Number. However, the Virtual-Line Station Number should be different from the Single-Line Number assigned by CM10.</p> | <p>(1) Virtual LEN (0000-0255) (2) X-XXXX (Virtual-Line Station No.)</p> |
| CM12 | <p>Assign the Station Class data to each Virtual-Line Station No.</p> | <ul style="list-style-type: none"> • YY = 01 (Trunk Restriction Class) • YY = 02 (Service Restriction Class) • YY = 03 (Kind of Telephone) • YY = 04 (Tenant Allocation) <p>(1) X-XXXX (Virtual-Line Station No.) (2) Refer to: Class of Service Individual, Restriction From Outgoing Calls</p> |
| CM13 | <p>Assign the Station Class data to each Virtual-Line Station No.</p> | <ul style="list-style-type: none"> • YY = 12 <p>(1) X-XXXX (Virtual-Line Station No.) (2) 1◀ : Ordinary Station</p> <ul style="list-style-type: none"> • YY = 13 <p>(1) X-XXXX (Virtual-Line Station No.) (2) 1◀ : Ordinary Station</p> |
| CM90 | <p>Assign the Virtual-Line Station to a Multiline Terminal. One Virtual-Line Station may be assigned to several Multiline Terminals.</p> | <ul style="list-style-type: none"> • YY = 00 <p>(1) Primary Extension No. + + Key No. (2) X-XXXX (Virtual-Line Station No.)</p> |
| <u>END</u> | | |

STACK DIAL

PROGRAMMING

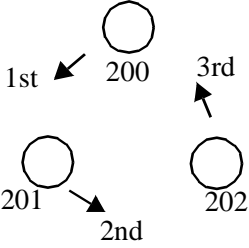
| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Specify whether Stack Dial is to be activated for an internal call. | (1) 178 (2) 0: Not to be activated 1◀ : To be activated |
| CM12 | Assign Service Restriction Class (C) to the required stations. | <ul style="list-style-type: none"> YY = 07 (1) X-XXXX: Station number (2) 00-15◀ : Service Restriction Class (C) |
| CM15 | Specify the Multiline Terminal LCD display service. | <ul style="list-style-type: none"> YY = 96 (1) 00-15: Service Restriction Class (C) assigned by CM12 YY = 07 (2) 0: Without LCD 1◀ : With LCD |
| CM90 | Assign the Stack Dial/Redial/Speed Dialing key to each Multiline Terminal. | <ul style="list-style-type: none"> YY = 00 (1) Primary extension number + comma [] + Key No. (2) F1000: Stack Dial/Redial/Speed Dialing |
| END | | |

To provide SN610 ATTCON with this feature (1200 Series Enhancement):

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM90 | Assign the Stack Dial/Redial key to each SN610 ATTCON. | <ul style="list-style-type: none"> YY=00 (1) ATTCON number + comma [] + Key No. (2) F6121: Stack Dial/Last Number Redial |
| END | | |

STATION HUNTING: STATION HUNTING-CIRCULAR

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM18 | <p>To set up each Hunting Group, assign the station numbers, one-by-one, in the order of hunting, as shown below:</p> <p>Note: For setting Station Numbers 200, 201, 202 into one Hunting Group.</p> <p>1st Operation (1) 200 (2) 201</p> <p>2nd Operation (1) 201 (2) 202</p> <p>3rd Operation (1) 202 (2) 200</p>  | <ul style="list-style-type: none"> • Y=0 (1) X-XXXX (Station No. to be included in the Station Hunting Group) (2) X-XXXX (Another Station No. to be linked.) |
| CM08 | <p>Specify the Hunting capability of each Station. To continue the hunt in the original direction, if the station is busy, set to "1"; to reverse the direction (last station only), set to "5".</p> | <ul style="list-style-type: none"> • YY = 1 (1) X-XXXX (Station No.) (2) 1: If busy, hunt in original direction. 5: If busy, hunt in reverse direction. |
| END | <p>Allow or restrict the ability to set Station Hunting-Circular for a station with Do Not Disturb set.</p> | <ul style="list-style-type: none"> (1) 240 (2) 0: Allow 1◀: Restrict |

Note 1: The maximum number of stations per hunt group is 60.
There is no limit to the number of Circular Hunt groups within the system.

Note 2: Each station can belong to only one hunt group.

Note 3: The Attendant Console cannot be a member of a hunt group.

STATION HUNTING: STATION HUNTING-TERMINAL

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM18</div> | <p>To set up each Station Hunting Group, assign the station numbers, one by one, as shown below.</p> <p>1st Operation (1) Station A (2) Station B</p> <p>2nd Operation (1) Station B (2) Station C</p> <p>Assign the Pilot Station to the required station number within the Hunting Group. For the Member Stations, set the data to "0".</p> | <ul style="list-style-type: none"> • Y=0 (1) X-XXXX (Station No. to be included in the Station Hunting Group) (2) X-XXXX (Another Station No. to be included in the Same Hunting Group.) <ul style="list-style-type: none"> • Y = 1 (1) X-XXXX (Station No.) (2) 1: Pilot Station 0: Member Station |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Allow or restrict the ability to set Station Hunting-Terminal for a station with Do Not Disturb set.</p> | <ul style="list-style-type: none"> (1) 240 (2) 0: Allow 1◀ : Restrict |
| <u>END</u> | | |

Note: *The maximum number of stations that can be included in one Station Hunting group is 60, including the pilot station. There is no limit to the number of Terminal Hunt groups within the system.*

STATION HUNTING: STATION HUNTING-SECRETARIAL

PROGRAMMING

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM18</div> | <p>Assign a Secretary Station Serial Number to each Station Hunting Group.</p> <p>Note: <i>A maximum of 31 extensions can be members of the Secretarial Hunt group.</i></p> | <ul style="list-style-type: none"> • Y=2 (1) X-XXXX: Pilot Station No. (Terminal)/ All Member Station numbers (Circular) (2) 00-30 (Secretary Station Serial No.) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM19</div> | <p>Assign a station number to each Secretary Station Serial Number assigned by CM18Y=2.</p> <p>Specify the Hunting capability of each Secretary Station.</p> <p>Assign the Secretary Station Numbers, one by one, in order of the desired Secretary Hunting, as shown below.</p> <p>1st Operation</p> <p style="padding-left: 20px;">(1) Station A</p> <p style="padding-left: 20px;">(2) Station B</p> <p>2nd Operation</p> <p style="padding-left: 20px;">(1) Station B</p> <p style="padding-left: 20px;">(2) Station C</p> | <ul style="list-style-type: none"> • Y=0 (1) 00-30 (Secretary Station Serial Number) (2) X-XXXX (Secretary Station No.) <ul style="list-style-type: none"> • Y = 1 (1) 00-30 (Secretary Station Serial No.) (2) 5: Hunting (As per Y=2) <li style="padding-left: 20px;">7: No Hunting <ul style="list-style-type: none"> • Y=2 (1) X-XXXX (Secretary Station No.) (2) X-XXXX (Another Secretary Station No. to be hunted to.) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Allow or restrict the ability to set Station Hunting-Secretarial for a station with Do Not Disturb set.</p> | <ul style="list-style-type: none"> (1) 240 (2) 0: Allow <li style="padding-left: 20px;">1◀ : Restrict |
| <p style="text-align: center;"><u>END</u></p> | | |

STATION MESSAGE DETAIL RECORDING (SMDR)

PROGRAMMING

Refer to the SMDR System Manual.

HARDWARE REQUIRED

Refer to the SMDR System Manual.

STATION SPEED DIALING

PROGRAMMING

1. To provide an Extension Memory card (PN-ME00) for extending memory for Station Speed Dialing and One Touch keys:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM05 | Assign a slot number to the Extension Memory card. The slot number is given by the SENSE switch on the Extension Memory card. <div style="text-align: right;">(INITIAL)</div> | (1) 04-15 (Slot Number) (2) 19 (PN-ME00 card) |
| CMD000 | Provide the system with the Extension Memory card. | (1) 56 (2) 1: To be provided |
| <u>END</u> | | |

STATION SPEED DIALING

2. To provide Single Line Telephone or Multiline Terminal:

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | <p>Specify whether 1000-Slot Memory Block has 26 digits or 16 digits memory buffers.</p> <p>Note: <i>When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-4 contains 16-digits memory buffers.</i></p> | <p>(1) 252 (2) 0/1 ◀ : 26/16 digits</p> <p>Note: <i>Regardless of this data setting, a maximum of 26 digits number can be stored to Extension Memory card's memory area (1000-Slot Memory Block No. 8-F).</i></p> |
| CM12 | <p>Assign Service Restriction Class A to each station.</p> | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15 ◀) |
| CM15 | <p>Assign this service to Service Restriction Class A assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 07 (1) 00-15: Service Restriction Class A (2) 1 ◀ : Allowed |
| CM20 | <p>Assign access codes for Station Speed Dialing, Origination, Entry and Cancel, respectively.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (*#, 7*, 7#) (2) 064: Origination 065: Entry 066: Cancel |
| CM08 | <p>Specify whether to provide Toll Restriction for an outgoing call by Station Speed Dialing.</p> | <p>(1) 035 (2) 0/1 ◀ : Not provided/Provided</p> |
| A | <p>Specify whether to set “#” dialing as paused data (1.5 sec.) or called number to C.O. line when DTMF station or Multiline Terminal dials “#” in the setting of Station Speed Dialing feature.</p> | <p>(1) 168 (2) 0/1 ◀ : Paused data (1.5 sec.)/ Called number to C.O. line</p> |

STATION SPEED DIALING

| | DESCRIPTION | DATA | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|--------------------------|------------------------|----|---|----|--------|---------------------|---|----|---|---------------------|---|---|---|---------------------|---|----|---|---------------------|--|--|---|--------------------|--|
| A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CM08 | Specify "*" dialing is set as programmable pause by CM41-38 or dialed digit when the DTMF station or Multiline Terminal dials "*" in the setting of the Station Speed Dialing feature. | (1) 171 (2) 0/1 ◀:Programmable pause by CM41-38/Dialed digit | | | | | | | | | | | | | | | | | | | | | | | | |
| CM73 | Allocate the memory area for Station Speed Dialing to each station. The memory block for storing one called number of Station Speed Dialing is called a "Memory Parcel". An assembly of 10-Memory Parcels is called a "10 Slot Memory Block," and one hundred 10-Slot Memory Blocks are called a "1000-Slot Memory Block". | (1) X-XXXX (Station No.) (2) <u>X XX X XX</u> *a *b *c *d (3) *a:000-Slot Memory Block No. 0-4, 8-F Note 1 *b:Memory Start Block No. 00-99: (10-Slot Memory Block) Note 2 *c:Facility for programming the dialed number from the Station (0/1: Effective/Ineffective) *d:Number of blocks in Memory Parcel (01-10) | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table style="margin: auto;"> <tr> <td style="text-align: center;">Memory Parcel</td> <td style="text-align: center;">10-Slot Memory Block</td> <td style="text-align: center;">1000-Slot Memory Block</td> <td></td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">00</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="padding-left: 10px;">1000 Memory Parcels</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">1</td> <td style="border: 1px solid black; padding: 5px;">01</td> <td style="border: 1px solid black; padding: 5px;">1</td> <td style="padding-left: 10px;">1000 Memory Parcels</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">⋮</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">⋮</td> <td style="border: 1px solid black; padding: 5px;">2</td> <td style="padding-left: 10px;">1000 Memory Parcels</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">9</td> <td style="border: 1px solid black; padding: 5px;">99</td> <td style="border: 1px solid black; padding: 5px;">3</td> <td style="padding-left: 10px;">1000 Memory Parcels</td> </tr> <tr> <td></td> <td></td> <td style="border: 1px solid black; padding: 5px;">4</td> <td style="padding-left: 10px;">500 Memory Parcels</td> </tr> </table> | Memory Parcel | 10-Slot Memory Block | 1000-Slot Memory Block | | 0 | 00 | 0 | 1000 Memory Parcels | 1 | 01 | 1 | 1000 Memory Parcels | ⋮ | ⋮ | 2 | 1000 Memory Parcels | 9 | 99 | 3 | 1000 Memory Parcels | | | 4 | 500 Memory Parcels | |
| Memory Parcel | 10-Slot Memory Block | 1000-Slot Memory Block | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 00 | 0 | 1000 Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 01 | 1 | 1000 Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | |
| ⋮ | ⋮ | 2 | 1000 Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 99 | 3 | 1000 Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 | 500 Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | |
| | The number of Memory Parcels for a station is specified by the data shown below. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table style="margin: auto;"> <thead> <tr> <th style="text-align: left;">Data</th> <th style="text-align: center;">Number of Memory Parcels</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">XXXX01</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: left;">⋮</td> <td style="text-align: center;">⋮</td> </tr> <tr> <td style="text-align: left;">XXXX10</td> <td style="text-align: center;">100</td> </tr> </tbody> </table> | Data | Number of Memory Parcels | XXXX01 | 10 | ⋮ | ⋮ | XXXX10 | 100 | Abbreviated Codes required for accessing this feature are automatically given to each station, depending on the number of Memory Parcels specified. | | | | | | | | | | | | | | | | |
| Data | Number of Memory Parcels | | | | | | | | | | | | | | | | | | | | | | | | | |
| XXXX01 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⋮ | ⋮ | | | | | | | | | | | | | | | | | | | | | | | | | |
| XXXX10 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | |

STATION SPEED DIALING

B

| DESCRIPTION | DATA |
|-------------|------|
|-------------|------|

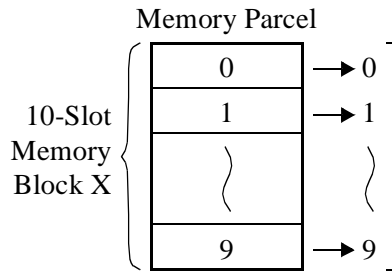
Note 1: *If the system provides the Extension Memory card, 1000-Slot Memory Block No. 8-F (8000 Memory Parcels) can be used. For using this memory area, there are several conditions as mentioned below:*

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

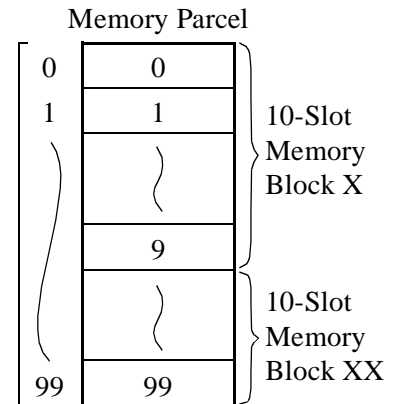
Note 2: *When the 1000-Slot Memory Block specifier is 4, Memory Start Block No. should be set to 00-49.*

Less than 100 Memory Parcels for a station:

In excess of 100 Memory Parcels for a station:



Abbreviated Codes



CM74

Assign the number to be dialed to each Memory Slot Number, if required. The numbers to be called are usually set from individual stations by their station users.

- (1) X XXX (Memory Slot No.)
 *a *b
 *a: 1000-Slot Memory Block Number (0-4, 8-F)
 *b: 000-999
- (2) Stored No. Setting Method:
 Outgoing Call Access Code (Max. 2 digits) + . + Stored Number (Max. 16/26 digits)
 To set a pause into the Stored No., enter "C" (Fixed Pause=1.5 sec.) or "D" (Programmable Pause specified by CM41-38) after desired digits.

C

STATION SPEED DIALING

| C | DESCRIPTION | DATA |
|------------|--|--|
| CM90 | Assign Station Speed Dialing keys on each Multiline Terminal, if required. | <ul style="list-style-type: none">• YY=00(1) Primary Extension No. + [] + Key No. (01-24)(2) F11<u>XX</u> *a*a: 00: Station Speed Dialing 00 } } 99: Station Speed Dialing 99 |
| <u>END</u> | | |

STATION SPEED DIALING

3. To provide Multiline Terminal with One Touch keys (ETJ-16DD-1/ETJ-24DS-1/DTP-32-1/DTP-32D-1):

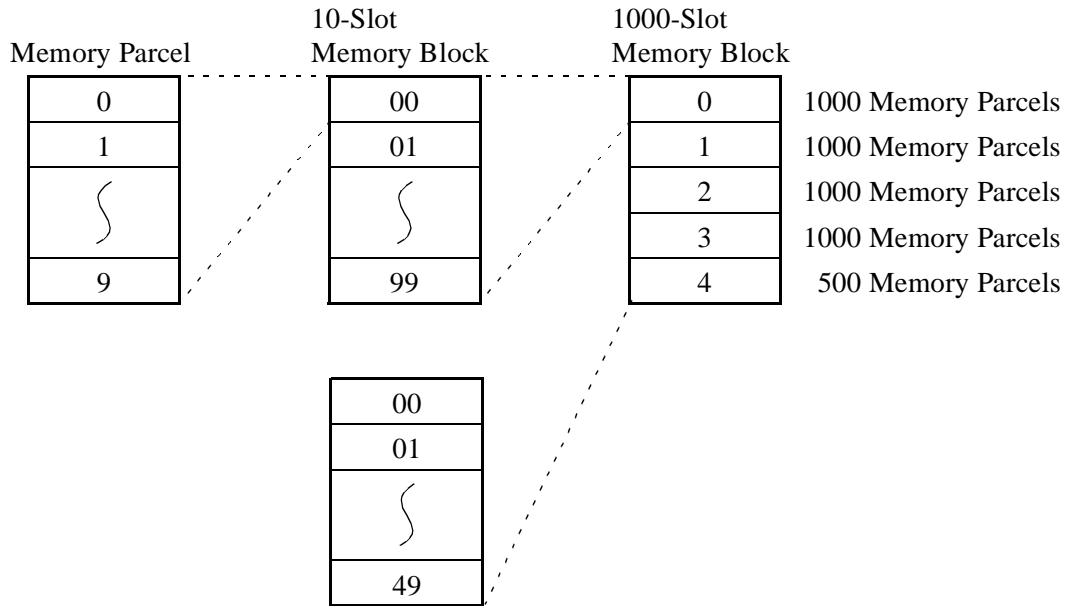
| START | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether 1000-Slot Memory Block has 26 digits or 16 digits memory buffers.</p> <p>Note 1: When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4500 Station Speed Dialing numbers can be assigned and 1000-Slot Memory Block No. 0-4 contains 16-digits memory buffers.</p> | <p>(1) 252 (2) 0/1◀ : 26/16 digits</p> <p>Note 2: Regardless of this data setting, a maximum of 26 digits number can be stored to Extension Memory card's memory area (1000-Slot Memory Block No. 8-F).</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM12</div> | <p>Assign Service Restriction Class A to each station.</p> | <ul style="list-style-type: none"> • YY = 02 (Service Restriction Class A·B) <p>(1) X-XXXX (Station No.) (2) <u>XX</u> XX *a *a: Service Restriction Class A (00-15◀)</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM15</div> | <p>Assign this service to Service Restriction Class A assigned by CM12 YY = 02.</p> | <ul style="list-style-type: none"> • YY = 07 <p>(1) 00-15: Service Restriction Class A (2) 1◀ : Allowed</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify whether to provide Toll Restriction for an outgoing call by Station Speed Dialing.</p> <p>Specify whether to set “#” dialing as paused data (1.5 sec.) or called number to C.O. line when Multiline Terminal dials “#” in the setting of Station Speed Dialing feature.</p> <p>Specify whether to set “*” dialing as programmable pause by CM41-38 or dialed digit when DTMF station or Multiline Terminal dials “*” in the setting of Station Speed Dialing feature.</p> | <p>(1) 035 (2) 0/1◀ : Not provided/Provided</p> <p>(1) 168 (2) 0/1◀ : Paused data (1.5 sec.)/ Called number to C.O. line</p> <p>(1) 171 (2) 0/1◀ : Programmable pause by CM41-38/Dialed digit</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

STATION SPEED DIALING

A

CM94

| DESCRIPTION | DATA |
|---|---|
| <p>Allocate the memory area for Station Speed Dialing to each station.</p> <p>The memory block for storing one called number of Station Speed Dialing is called a "Memory Parcel".</p> <p>An assembly of 10-Memory Parcels is called a "10 Slot Memory Block," and one hundred 10-Slot Memory Blocks are called a "1000-Slot Memory Block".</p> <p>The ETJ-16DD-1/ETJ-24DS-1 requires two 10-Slot Memory Blocks (20 numbers).</p> | <p>(1) X-XXXX (Primary Extension No.)</p> <p>(2) <u>X</u> <u>XX</u> 0 <u>XX</u> *a *b *c</p> <p>*a: 1000-Slot Memory Block No. (0-4, 8-F)</p> <p>*b: Start of 10-Slot Memory Block No. (00-49)</p> <p>*c: Number of 10-Slot Memory Blocks 02: ETJ-16DD-1/ETJ-24DS-1 (20 numbers)</p> <p>Note: 1000-Slot Memory Block No. 8-F can be used when the system provides the Extension Memory card. If assigning the station number to One Touch keys using this memory area, the lamp does not show the busy state.</p> |



END

STATION SPEED DIALING

4. To provide the One Touch key to send “Hooking Signal + Called Number” to a Centrex, set the following data in addition to the programming (2). (1500 Series Enhancement)

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM20 | Assign the access code for sending of a Hooking signal to a Centrex. Maximum of two digits are available. | <ul style="list-style-type: none"> • Y = 0-3 (1) X-XX: Access code (2) A58: Hooking signal to a Centrex |
| CM90 | Assign a RECALL key on the Multiline Terminal. RECALL key is used to return to a former line. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + key No. (2) F1015: RECALL |
| CM35 | Provide Centrex trunk route with Centrex function. | <ul style="list-style-type: none"> • YY = 86 (1) Trunk Route No. (00-63) (2) 0: Centrex |
| END | | |

5. To provide the One Touch key to send “Called Number + DTMF Signal” for such as VMS operation, set the following data in addition to the programming (2), when the called number includes a trunk access code. If the called number includes no trunk access code, this data is not required. (1500 Series Enhancement)

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Specify whether to set consecutive dialing “*#” as a delimiter between the called number and the DTMF signal. | <ul style="list-style-type: none"> (1) 448 (2) 0 : *# (as it is) <li style="padding-left: 20px;">1 ◀ : Delimiter between called number and DTMF signal |
| END | | |

STEP CALL

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM08 | Provide the system with the Step-Call feature. | [(1) 069 (For internal Call) (2) 1◀ : Available |
| | Note: <i>This feature is mutually exclusive with the single digit feature access code.</i> | [(1) 163 (For Tie Line Incoming Call) (2) 1◀ : Available |
| | | [(1) 208 Note (2) 1◀ : Not Available |
| <u>END</u> | | |

SUPERVISORY CONTROL OF PERIPHERAL EQUIPMENT

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM13 | Provide the Station connected to the peripheral equipment with momentary reversal/open capability. | <ul style="list-style-type: none">• YY = 22(1) X-XXXX (Station No.)(2) 0: To be provided |
| CM41 | Specify the duration of the momentary reversal/open. | <ul style="list-style-type: none">• Y = 1(1) 08(2) 01-10: 128-1280 msec. in 128 msec. increments If no data is set, the default setting is 896-1024 msec. |
| <u>END</u> | | |

SYSTEM SPEED DIALING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM12 | Assign Service Restriction Class A to each station. | <ul style="list-style-type: none"> • YY = 02 (1) X-XXXX (Station No.) (2) $\frac{XX}{*a} XX$ <p style="margin-left: 20px;">*a: Service Restriction Class (A) 00-15◀</p> |
| CM15 | Assign this service to Service Restriction Class A assigned by CM12 YY = 02. | <ul style="list-style-type: none"> • YY = 06 (System Speed Dialing) (1) XX (Service Rest. Class A assigned by CM12 YY = 02) (2) 1◀ : To be allowed |
| CM20 | Assign the Access Code for System Speed Dialing. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (##) (2) 067 (System Speed Dialing) |
| CM90 | Assign an access key for System Speed Dialing to the D ^{term} s, as needed. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + key No. (2) F0067: System Speed Dialing origination (For 300 numbers) <li style="margin-left: 20px;">F0068: System Speed Dialing origination (For 1000 numbers) |
| A | | |

SYSTEM SPEED DIALING

A
CM71

DESCRIPTION

Assign the memory block for System Speed Dialing. 300 memory slots are available per system. The number of slots available for each Tenant is also 300. Note that the memory blocks for Hot Line-Outside and Route Advance (from Tie Line to C.O. Line) are included in 300 memory slots.

Abbreviated Call Codes required for accessing this feature are automatically given to each Tenant as shown in the following example.



Note: By loading the Resident System Program, the following data is assigned for Tenant 00.

DATA

- (1) 00-63 (For stations within the Tenant 00-63)
64 (For ATTCON)
- (2) $\frac{XXX}{*a} \frac{XXX}{*b}$ **Note**
*a: First Memory/Slot No. in Block. (000-299)
*b: Number of Slots to be allocated in Block. (001-300)
For example, to provide 20 memory slots starting at Slot 60: Data: 060020

CM72

Assign the number to be called to the Memory Slot Number allocated by CM71.

- (1) Memory Slot No. (000-299)
- (2) Stored Number (Max. 26 digits)
Stored Number:
Outgoing Access Code (Max. 2 digits) + + Stored Number (Max. 26 digits)
To set a pause into the Stored No., enter "C" (Fixed pause = 1.5 sec) or "D" (Programmable pause specified by CM41-38) after desired digits (more than 2 digits).

CM08

Specify System Speed Dialing security. (Stored number displays on Multiline Terminal for an outgoing call by System Speed Dialing.)

- (1) 043
- (2) 0/1 ◀ : Not to be displayed/To be displayed.

Specify Toll Restriction for an outgoing call by System Speed Dialing, if required.

- (1) 044
- (2) 0/1 ◀ : Not to be provided/To be provided.

END

SYSTEM SPEED DIALING

To use the 1000 Slot Memory Block Number (0-3) for Station Speed Dialing as the Memory Block for System Speed Dialing, add the following programming.

| START | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM08</div> | <p>Specify the 1000-Slot Memory Block Number 0-3.</p> <p>Specify whether 1000-Slot Memory Block has 26-digits or 16-digits memory buffers.</p> <p>Note: <i>When CM08-252 is assigned as 0, only 3000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-2 contains 26-digits memory buffers. When CM08-252 is assigned as 1, 4000 Station Speed Dialing numbers can be assigned, and 1000-Slot Memory Block No. 0-3 contains 16-digits memory buffers.</i></p> | <ul style="list-style-type: none"> (1) 112: 1000-Slot Memory Block No.0 (2) 0/1 ◀ : Available/Not Available (1) 111: 1000-Slot Memory Block No.1 (2) 0/1 ◀ : Available/Not Available (1) 176: 1000-Slot Memory Block No.2 (2) 0/1 ◀ : Available/Not Available (1) 110: 1000-Slot Memory Block No.3 (2) 0/1 ◀ : Available/Not Available (1) 252 (2) 0/1 ◀ : 26/16-digits |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign the Access Code for System Speed Dialing.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) A52: 1000-Slot Memory Block No.0 A51: 1000-Slot Memory Block No.1 068: 1000-Slot Memory Block No.2 A50: 1000-Slot Memory Block No.3 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

SYSTEM SPEED DIALING

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM74 | Assign the stored number to each Memory Slot Number. | <p>(1) $\overset{*a}{X} \overset{*b}{XXX}$ (Memory Slot No.)</p> <p>*a: 1000-Slot Memory Block Number (0-3)</p> <p>*b: 000-999</p> <p>(2) Stored No. (Max. 16/26 digits) Setting Method: Outgoing Call Access Code (Max.2 digits) + \square + Stored No. (Max. 16/26 digits)</p> <p>To set a pause into the stored No., enter “C” (Fixed Pause = 1.5 sec) or “D” (Programmable Pause specified by CM41-38) after desired digits.</p> |
| <u>END</u> | | |

TENANT SERVICE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM12 | Assign a Tenant No. to each station. | <ul style="list-style-type: none"> • YY = 04 (1) X-XXXX (Station No.) (2) 00◀-63 (Tenant No.) |
| CM30 | Assign a Tenant No. to each trunk. | <ul style="list-style-type: none"> • YY = 01 (1) 000-255 (Trunk No.) (2) 00◀-63 (Tenant No.) |
| CM29 | Assign a Numbering Plan Group No. to each Tenant. | <ul style="list-style-type: none"> (1) 00-63 (Tenant No.) (2) 710-713 (Numbering Plan Group 0-3) |
| CM20 | <p>Assign the required access codes for each Numbering Plan Group. To provide a trunk route for each Tenant, assign Tenant Block 00-23 to the desired Trunk Route access code.</p> <p>Note: Refer to the Command Manual for the Resident System Program.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) Note (2) 000-099 801-811 A00-A52 100-163 300-323 (Tenant Block 00-23) |
| CM23 | When Tenant Block 00-23 is assigned by CM20, assign a trunk route and Tenant No. to the Tenant Block. | <ul style="list-style-type: none"> • YY = 00-23 (Tenant Block 00-23) (1) 00-63 (Tenant No.) (2) 100-163 (Trunk Route 00-63) |
| A | | |

TENANT SERVICE

| | DESCRIPTION | DATA |
|------|---|--|
| A | | |
| CM61 | To provide external keys for the Day/Night mode changeover or the Class of Service changeover, assign a Tenant No. to each circuit No. on the PN-DK00 card. | <ul style="list-style-type: none"> • YY = 00 (1) $\frac{XX}{*a} \frac{X}{*b}$ <li style="padding-left: 20px;">*a: Card No. (00-63) for PN-DK00 assigned by CM10 (E900-E963) <li style="padding-left: 20px;">*b: Circuit No. (0-7) (2) 00-63 (Tenant No.) |
| CM62 | Specify the Tenants to be handled by each SN610 ATTCON Group. INITIAL | <ul style="list-style-type: none"> • Y = 0-3 (ATTCON Group 0-3 assigned by CM60 YY = 00) (1) 00-63 (Tenant No.) (2) 0/1 ◀ : To be handled/Not to be handled |
| CM63 | Specify whether Inter-Tenant connection is available for station-to-station calling, incoming call termination and TAS answer. | <ul style="list-style-type: none"> • Y = 0 (TAS Answer) (1) $\frac{XX}{*a} \frac{XX}{*b}$ <li style="padding-left: 20px;">*a: Tenant No. of TAS Answer Station <li style="padding-left: 20px;">*b: Tenant No. of Trunk (2) 0/1 ◀ : Allowed/Restricted • Y = 1 (Station to Station Calling) (1) $\frac{XX}{*a} \frac{XX}{*b}$ <li style="padding-left: 20px;">*a: Tenant No. of Calling Station <li style="padding-left: 20px;">*b: Tenant No. of Called Station (2) 0/1 ◀ : Restricted/Allowed • Y = 2 (Incoming Call Termination) (1) $\frac{XX}{*a} \frac{XX}{*b}$ <li style="padding-left: 20px;">*a: Tenant No. of Called Station <li style="padding-left: 20px;">*b: Tenant No. of Trunk (2) 0/1 ◀ : Restricted/Allowed |
| END | | |

TIE LINE TANDEM SWITCHING

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|---|
| CM36 | Specify the combination of Trunk Routes allowing the Tandem connection. The incoming trunk route must provide a release signal for the Tandem Connection. (See CM35 YY = 05) | (1) $\frac{XX}{*a} \frac{XX}{*b}$ *a: 00-63 (Incoming Trunk Route) *b: 00-63 (Outgoing Trunk Route) (2) 0/1 ◀ : Allowed/Restricted |
| <u>END</u> | | |

HARDWARE REQUIRED

Tie Line Trunk Card (PN-2ODT)

TIMED QUEUE

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM41 | <p>Specify the timer data for this feature. If no data is set, the following data is applied:</p> <ul style="list-style-type: none">• Number of Call Attempts: 3 times• Interval Time of Call Attempt: 120 sec. - 124 sec.• Duration of Calling: 28 sec. -32 sec. | <ul style="list-style-type: none">• Y = 0(1) 35 (Number of Times of Call Attempt)(2) 01-07: Once-7 times(1) 36 (Interval time of Call Attempt)(2) 11-31: 44 -124 sec. in 4 sec. increments(1) 37 (Duration of Calling)(2) 05-31: 20-124 sec. in 4 sec. increments |
| CM90 | <p>Assign the Call Back feature to the required key on the Multiline Terminals, as required.</p> | <ul style="list-style-type: none">• YY = 00(1) Primary Extension No. + <input type="text"/> + Key No.(2) F0004 |
| <u>END</u> | | |

HARDWARE REQUIRED

ETJ-8-1/ETJ-10DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card.

TIMED REMINDER

PROGRAMMING

For providing the internal Music Source for the MP card:

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM12 | Assign the class of service for Timed Reminder to required stations. | <ul style="list-style-type: none"> CM12 YY = 02 [Service Restriction Class (A) (00-15◀)] CM15 YY = 13 |
| CM15 | | |
| CM20 | Assign the access code for Timed Reminder set and cancel. | <ul style="list-style-type: none"> Y = 0-3 (Numbering Plan Group 0-3) |
| CM48 | Designate the type of music source to be connected when answering a Timed Reminder call. | <ul style="list-style-type: none"> Y = 1 |
| CM90 | Assign the Timed Reminder feature access key to the Multiline Terminals, if required. | <ul style="list-style-type: none"> YY = 00 |
| CM08 | Specify the timing for Timed Reminder Start. | <ul style="list-style-type: none"> Y = 0 |
| CM41 | Specify the duration of a Timed Reminder Call. | <ul style="list-style-type: none"> Y = 0 |
| A | | |

TIMED REMINDER

| | DESCRIPTION | DATA |
|------|--|---|
| A | | |
| CM42 | Specify the number of Timed Reminder attempts before abandonment. | (1) 03 (2) 01-05: No. of attempted Timed Reminder Calls If no data is set, the default setting is 05. |
| | Specify the maximum number of Timed Reminder Calls that can be set at the same time. | (1) 04 (2) No. of Timed Reminder Calls. If no data is set, the default setting is 10. |
| END | | |

For providing an External Announcement Machine via PN-4COT card:

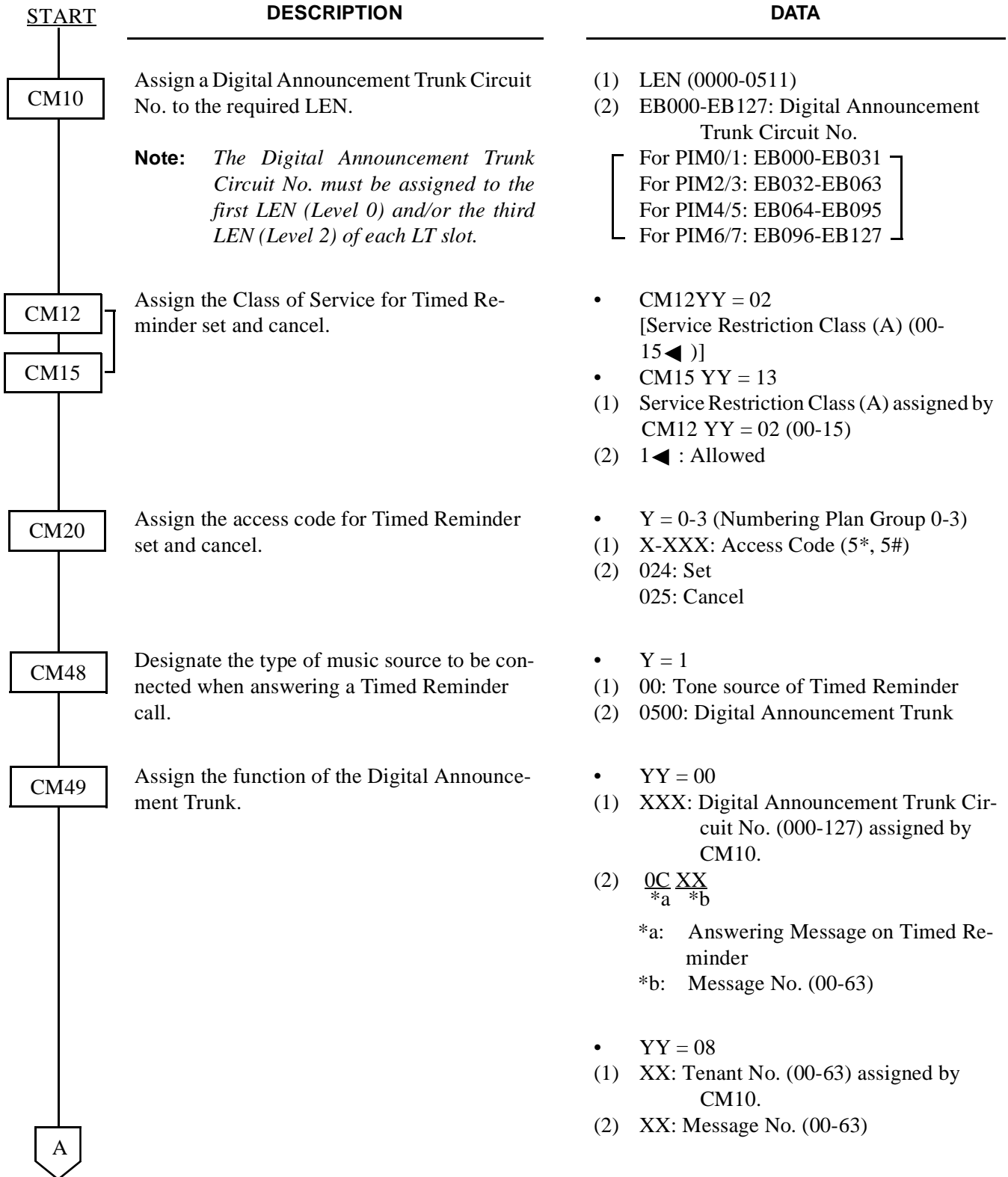
| | DESCRIPTION | DATA |
|-------|--|---|
| START | | |
| CM12 | Assign the class of service for Timed Reminder to the required stations. | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Restriction Class (A) (00-15)] • CM15 YY = 13 (1) Service Restriction Class (A) assigned by CM12 YY = 02 (00-15) |
| CM15 | | |
| CM20 | Assign the access code for Timed Reminder set and cancel. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (5*, 5#) (2) 024: Set 025: Cancel |
| CM10 | Assign the PN-4COT card and PN-DK00 card to the required LENS. | (1) LEN (0000-0511) (2) DB00: Interface Card for External Tone Source E800-E831: PN-DK00 Card E800-E807: For PIM0/1 E808-E815: For PIM2/3 E816-E823: For PIM4/5 E824-E831: For PIM6/7 |
| A | Note: <i>The PN-DK00 card No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> | |

TIMED REMINDER

| A | DESCRIPTION | DATA |
|------|---|--|
| CM44 | Assign the function of the PN-DK00 card. | (1) $\underline{XX} \underline{X}$: PN-DK00 Circuit No. * _a * _b *a: Last two digits of data assigned by CM10 (00-31) *b: Circuit No. (0-3) (2) 0100: External Announcement Machine for Timed Reminder Calling |
| CM90 | Assign the Timed Reminder feature access key to the Multiline Terminals, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F0024 |
| CM08 | Specify the timing for Timed Reminder start. | (1) 228: Timed Reminder start timing (2) 0/1 ◀ : At preset time/Before 5 minutes of preset time |
| CM41 | Specify the duration of a Timed Reminder call. | <ul style="list-style-type: none"> • Y = 0 (1) 52: (2) 01-99: 4-396 sec. in 4-sec. increments If no data is set, the default setting is 60-64 seconds. |
| CM42 | Specify the number of Timed Reminder attempts before abandonment. | (1) 03 (2) 01-15: No. of attempted Timed Reminder calls If no data is set, the default setting is 05. |
| | Specify the maximum number of Timed Reminder calls that can be set at the same time. | (1) 04 (2) No. of Timed Reminder calls If no data is set, the default setting is 10. |
| END | | |

TIMED REMINDER

To provide the internal announcement via Digital Announcement Trunk (PN-2DATA):



TIMED REMINDER

| A | DESCRIPTION | DATA |
|------------|--|--|
| CM90 | Assign the Timed Reminder feature access key to the Multiline Terminals, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F0024 |
| CM08 | Specify the timing for Timed Reminder start. | <ul style="list-style-type: none"> (1) 228: Timed Reminder start timing (2) 0/1 ◀ : At preset time/Before 5 minutes of preset time |
| CM41 | Specify the duration of a Timed Reminder call. | <ul style="list-style-type: none"> • Y = 0 (1) 23: Timed Reminder call duration (2) 02-14: 8-56 sec. in 4 sec. increments <p>If no data is set, the default setting is 28-32 seconds.</p> |
| | Specify the duration of message replay for Timed Reminder. | <ul style="list-style-type: none"> • Y = 0 (1) 52 (2) 01-99: 4-396 sec. in 4 sec. increments <p>If no data is set, the default setting is 60-64 seconds.</p> |
| CM42 | Specify the number of Timed Reminder attempts before abandonment. | <ul style="list-style-type: none"> (1) 03 (2) 01-15: No. of attempted Timed Reminder calls <p>If no data is set, the default setting is 05.</p> |
| | Specify the maximum number of Timed Reminder calls that can be set at the same time. | <ul style="list-style-type: none"> (1) 04 (2) No. of Timed Reminder calls <p>If no data is set, the default setting is 10.</p> |
| CM20 | To record, replay, or delete a message, assign the appropriate Digital Announcement Trunk access code. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) A00: Record A01: Replay A02: Delete |
| <u>END</u> | | |

TIMED REMINDER

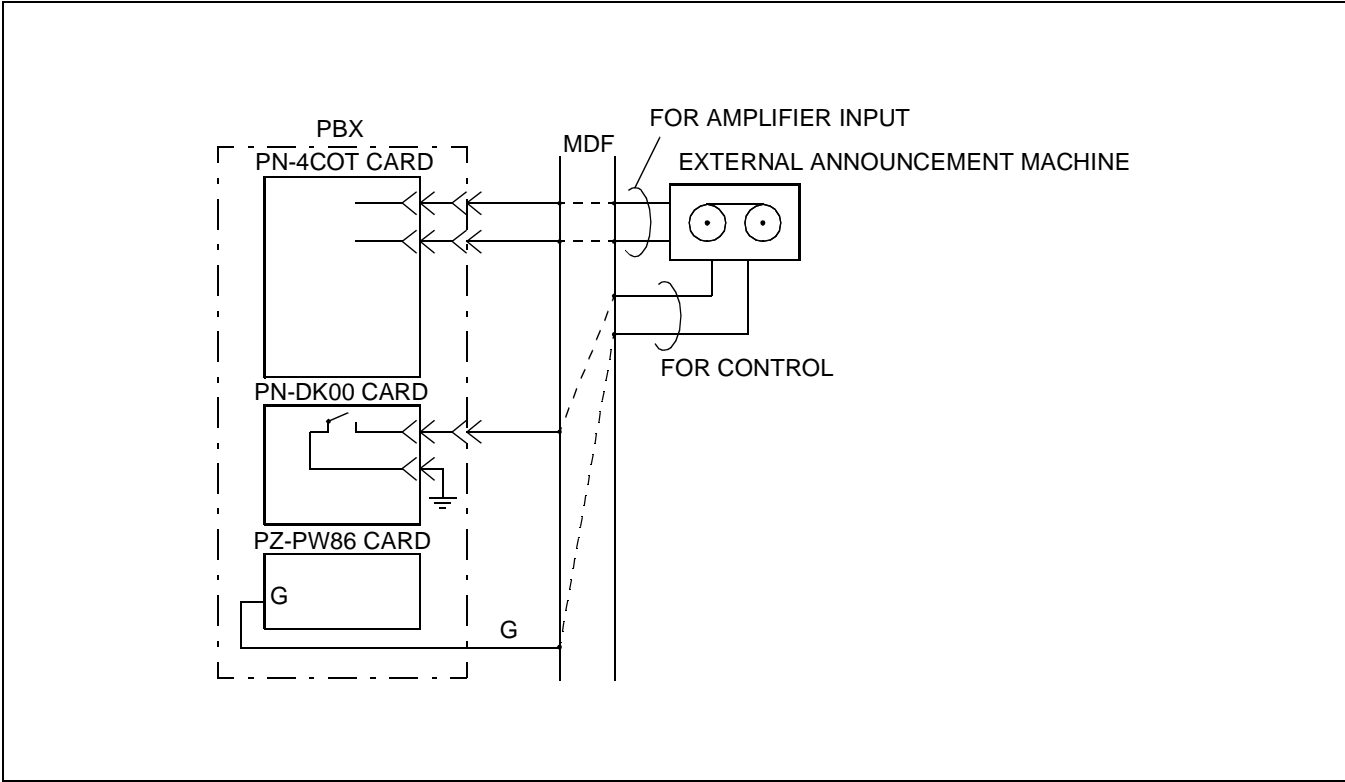
HARDWARE REQUIRED

For providing the Internal Music Source:
-PN-CP00 card

For providing the External Announcement Machine:
-PN-4COT card
-PN-DK00 card
External Announcement Machine provided locally.

For providing the internal announcement using a Digital Announcement Trunk:
-PN-2DATA card × 1

To accommodate an External Announcement Machine, make the following connections at the MDF. For details, refer to the MDF cross connection for an External Tone Source in the INSTALLATION PROCEDURE MANUAL.



TRUNK-DIRECT APPEARANCES

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| START | | |
| CM30 | <p>Assign the terminating system for required C.O. Trunks to Trunk-Direct Appearances.</p> <p>Provide the Trunk-Direct Appearances feature to the required C.O. trunk assigned by YY=02.</p> | <ul style="list-style-type: none"> • YY=02 (1) 000-255 (Trunk No.) (2) 02: Trunk-Direct Appearance <ul style="list-style-type: none"> • YY=18 (1) 000-255 (Trunk No.) (2) 0: To be provided |
| CM90 | <p>Assign the Trunk-Direct Appearances key to each Multiline Terminal, as required.</p> <p>Assign a Hold key for holding the Trunk Direct Appearance call to each Multiline Terminal, as required.</p> <p>By this assignment, the held Trunk Direct Appearance call can be transferred by Voice call, and can be answered by the Trunk Direct Appearance key on the destination station. (1800 Series Enhancement)</p> | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + <input type="text"/> + Key No. (2) D000-D255 (Trunk No.) <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + <input type="text"/> + Key No. (2) F0058 |
| CM08 | <p>Specify whether a Dial Tone is sent when the call is held by the Hold key for Trunk Direct Appearance (CM90 YY=00 (2) F0058). (1800 Series Enhancement)</p> <p>Specify whether Hold Transfer for a trunk line placed in Consultation Hold is available or not available.</p> | <ul style="list-style-type: none"> (1) 365 (2) 0 : Sent <li style="padding-left: 20px;">1 ◀ : Not sent <ul style="list-style-type: none"> (1) 161 (2) 0 : Available (Hold Transfer) <li style="padding-left: 20px;">1 ◀ : Not Available (Consultation Hold) |
| END | | |

TRUNK-DIRECT APPEARANCES

To provide enhanced Trunk-Direct Appearance:

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM90 | <p>Program enhanced Hold key to each D^{term}.</p> <p>Program Trunk Answer key.</p> | <ul style="list-style-type: none"> • YY = 00 (1) X-XXXX,24: Station No., Button No. (2) F0058: Enhanced Hold Key (1) X-XXXX,XX: Station No., Button No. (2) F0059: Trunk Answer Key |
| CM20 | <p>Assign Trunk Answer code to be used for analog telephones.</p> <p>Assign Trunk Hold code to be used for analog telephones.</p> | <ul style="list-style-type: none"> • Y = 0-3 (1) X-XXX: 1-3 digit access code (2) 059: Trunk answer code • Y = 0-3 (1) X-XXX: 1-3 digit access code (2) 058: Trunk hold code |
| CM30 | Assign ID code for each C.O. trunk | <ul style="list-style-type: none"> • YY = 19 (1) 000-255: Trunk number (2) ABCD: 4-digit Trunk ID code |
| CM08 | Assign Answer preference. | <ul style="list-style-type: none"> (1) 114 (2) 1: Answer by 4-digit Trunk ID code [Answer Code + Trunk ID Code (ABCD)] 0: Answer by 2-digit Trunk ID code [Answer Code + Trunk ID Code (CD)] |
| CM51 | Assign Hold Recall to alternate destination. | <ul style="list-style-type: none"> • YY = 21 (1) 00-63: Tenant number (2) X-XXXX: Station No. or SN-610 Console |
| END | | |

Note: *If the incoming call is routed via the Internal Automated Attendant feature (PN-2DATA card), the tenant number programmed in CM49, YY=01 must match the tenant number programmed in CM20, YY=01 for the incoming trunk.*

HARDWARE REQUIRED

Multiline Terminal and DLC card
PN-4COTB / PN-COTG

TRUNK-DIRECT APPEARANCES

The table below shows the availability of the HOLD key (CM90 YY=00 2nd data: F0058) on each condition.

| Trunk-Direct Appearances (CM30 YY=18) | Trunk ID Code Assignment (CM30 YY=19) | Kind of Trunks | Trunk ID Code Display | Availability of HOLD Key (CM90 YY=00 2nd Data: F0058) |
|---------------------------------------|---------------------------------------|----------------|--|---|
| 0 (Provided) | – | – | – | Available |
| 1 (Not provided) | Not assigned | – | – | Not available |
| | Assigned | CCIS trunk | – | Not available |
| | | ISDN trunk | CM35 YYY=146 is set to 0. (Trunk ID Code is displayed.) | Available |
| | | | CM35 YYY=146 is set to 1. (Calling/called sub-address is displayed) | Not available |
| | | Other trunks | CM35 YY=75 is set to 0. (DID incoming LDN is displayed.) | Not available |
| | | | CM35 YY=75 is set to 1. (Trunk ID Code is displayed.) | Available |

HARDWARE REQUIRED

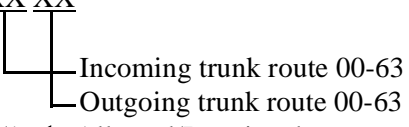
Multiline Terminal and DLC card.

TRUNK QUEUING-OUTGOING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------------------------|---|--|
| <p>CM12</p> <p>CM15</p> | <p>Assign the class of service for Trunk Queuing-Outgoing to the required stations.</p> | <ul style="list-style-type: none"> • CM12 YY = 02 [Service Rest. Class (A) (00-15◀)] • CM15 YY = 02 <ol style="list-style-type: none"> (1) Service Restriction Class (A) (00-15) assigned by CM12 YY = 02 (2) 1◀ : Allowed |
| <p>CM20</p> | <p>Assign the access code for setting and resetting this service.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) <ol style="list-style-type: none"> (1) X-XXX: Access Code (*1, #1) (2) • If a different access code from Call Back is used. <ul style="list-style-type: none"> 000: Set 001: Reset • If the same access code as Call Back is used. <ul style="list-style-type: none"> 004: Set 005: Reset |
| <p>CM90</p> | <p>Assign the Trunk Queuing-OG (Call Back) key to the required Multiline Terminal.</p> | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) Primary Extension No. + + Key No. (2) F0004 |
| <p>CM35</p> | <p>Specify the Trunk Queuing-Outgoing capability for each trunk route.</p> | <ul style="list-style-type: none"> • YY = 28 <ol style="list-style-type: none"> (1) XX (Trunk Route No. 00-63) (2) 0/1◀ : Restricted/Allowed |
| <p>END</p> | | |

TRUNK-TO-TRUNK CONNECTION

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM12 | Assign the Service Restriction Class C to each station. | <ul style="list-style-type: none"> • YY = 07 (1) X-XXXX:Primary Extension No. (2) XX:Service Restriction Class C (00-15) |
| CM15 | Provide the switch hook flash capability during C.O. line connection, to the required stations. | <ul style="list-style-type: none"> • YY = 90, 91 (1) 00-15:Service Restriction Class C (2) 1 ◀:Allowed |
| CM36 | Specify the combination of trunk routes allowing the Trunk to Trunk Connection. | <ul style="list-style-type: none"> (1) <u>XX XX</u>  (2) 0/1 ◀ : Allowed/Restricted |
| CM08 | Provide the system with Ring Transfer for Call Transfer-All Calls to a trunk when a station holds another station or trunk. | <ul style="list-style-type: none"> (1) 253 (2) 0: Allowed |
| CM08 | Provide the system with forced disconnection when a tandem call duration passes a predetermined time. | <ul style="list-style-type: none"> (1) 029 (2) 0/1 ◀ : Available/Not available |
| CM35 | Allow or restrict forced disconnection of tandem connection for the incoming trunk route. This data is available when CM08-029 is set to 0. | <ul style="list-style-type: none"> • YYY = 119 (1) 00-63:Trunk route No. (2) 0/1 ◀ :Allowed/Restricted |
| CM41 | Specify the forced disconnection timing for tandem call. | <ul style="list-style-type: none"> • Y = 0 (1) 54 (2) 01-06:64-224 min. (32 min. increments) <p>If no data is set, the default setting is 128 min.</p> |
| A | | |

TRUNK-TO-TRUNK CONNECTION

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM08</div> | <p>Provide the system with Trunk to Trunk Connection when no release signal arrives from the incoming trunk route and answer signal arrives from the outgoing trunk route.</p> | <p>(1) 324 (2) 0/1 ◀ :Available/Not available</p> |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM41</div> | <p>Provide the system with Trunk to Trunk Connection transferred by a station or an attendant, when no answer signal arrives and release signal arrives from the outgoing trunk route.</p> | <p>(1) 028 (2) 0/1 ◀ :Available/Not available</p> |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CM41</div> | <p>Specify the forced disconnection timing for tandem connection when the called party does not answer. This data is available when no release signal arrives from incoming trunk route.</p> | <ul style="list-style-type: none"> • Y = 0 (1) 55 (2) 01-13:12-60 sec. (4 sec. increments) <p>If no data is set, the default setting is 20-24 sec.</p> |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">END</div> | | |

TRUNK-TO-TRUNK CONNECTION

To provide the AMP trunk for Trunk-to-Trunk Connection (1500 Series Enhancement):

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM10</div> | <p>Assign the Card Number of the AMP trunk (PN-2AMP). Maximum of two digits are available.</p> <p>Note: <i>The AMP card number must be assigned to both of the first LEN (Level 0) and the third LEN (Level 2) of each slot.</i></p> | <ul style="list-style-type: none"> (1) LEN (0000-0511) (2) Card No. of AMP trunk <ul style="list-style-type: none"> C100-C115 : For PIM0/1 C116-C131 : For PIM2/3 C132-C147 : For PIM4/5 C148-C163 : For PIM6/7 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM38</div> | <p>Assign the AMP patterns to each combination of the trunk routes.</p> <p style="margin-top: 20px;">Assign the gain value of each AMP pattern.</p> <p style="margin-top: 20px;">Assign the Echo Canceller function to each AMP pattern.</p> <p style="margin-top: 20px;">Assign the Gain Controller of Echo Canceller to each AMP pattern.</p> | <ul style="list-style-type: none"> • YY = 00 <ul style="list-style-type: none"> (1) <u>XX XX</u> <ul style="list-style-type: none"> └── Incoming trunk route 00-63 └── Outgoing trunk route 00-63 (2) 00-14:AMP pattern No. 00-14 15 ◀ : Not use the AMP trunk • YY = 01 <ul style="list-style-type: none"> (1) 00-14: AMP pattern No. 00-14 (2) <u>X X</u> <ul style="list-style-type: none"> └── Fixed gain <ul style="list-style-type: none"> 0 : 12 dB 1 : 8 dB 2 : 4 dB 3 ◀ : 0 dB └── AGC (Automatic Gain Control) <ul style="list-style-type: none"> 0 : 0 dB 1 : +4 dB 2 : -4 dB 3 ◀ : Through (assigned by Fixed Gain) • YY = 02 <ul style="list-style-type: none"> (1) 00-14:AMP pattern No. 00-14 (2) 0:Through 1 ◀ : Normal • YY = 03 <ul style="list-style-type: none"> (1) 00-14: AMP pattern No. 00-14 (2) 0:ON 1 ◀ : OFF |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

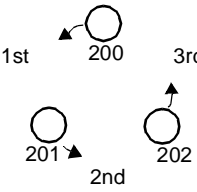
TRUNK-TO-TRUNK CONNECTION

| C | DESCRIPTION | DATA |
|--|---|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM38</div> <div style="border-bottom: 1px solid black; height: 1px; width: 100%;"></div> <div style="text-align: center; margin-top: 10px;"><u>END</u></div> | Select the Tone Disabler's mode on each AMP pattern. | <ul style="list-style-type: none"> • YY=04 (1) 00-14: AMP pattern No. 00-14 (2) 0:G164 <li style="padding-left: 20px;">1 ◀: G165 |
| | Specify the Detect Timing of Tone Disabler on each AMP pattern. | <ul style="list-style-type: none"> • YY=05 (1) 00-14: AMP pattern No. 00-14 (2) 0:0 sec. <li style="padding-left: 20px;">1 ◀: 2 sec. |
| | Specify the channels connected to each AMP pattern. | <ul style="list-style-type: none"> • YY=06 (1) 00-14: AMP pattern No. 00-14 (2) 0:Incoming route: Tie Line Outgoing route: C.O. Line <li style="padding-left: 20px;">1 ◀:Incoming route: C.O. Line Outgoing route: Tie Line |
| | Specify the Timing of AMP trunk connection on each AMP pattern. | <ul style="list-style-type: none"> • YY=07 (1) 00-14: AMP pattern No. 00-14 (2) 0:When dialing is finished <li style="padding-left: 20px;">1 ◀:When answering |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

PROGRAMMING

To activate UCD:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM17</div> | <p>For each UCD Group, assign station numbers, one by one, in the order of hunting.</p> <p>Note: <i>Up to 60 stations can be assigned into a single UCD group.</i></p> <p>Example: <i>For setting Station Numbers 200, 201, 202 into one UCD Group.</i></p> <p>1st Operation (1) 200 (2) 200</p> <p>2nd Operation (1) 201 (2) 202</p> <p>3rd Operation (1) 202 (2) 200</p>  | <ul style="list-style-type: none"> • Y = 0 (1) X-XXXX (Station No.) (2) X-XXXX (Another Station No. to be linked) |
| | <p>Assign the Pilot Station and Member Station.</p> | <ul style="list-style-type: none"> • Y = 1 (1) X-XXXX (UCD Station No.) (2) 1/0 ◀ : Pilot Station/Member Station |
| | <p>Assign the UCD Group Number.</p> | <ul style="list-style-type: none"> • Y = 2 (1) X-XXXX (UCD Station No.) (2) 00-15 (UCD Group 00-15) |
| | <p>Specify the UCD service for each type of call.</p> | <ul style="list-style-type: none"> • Y = 4 (Internal Call: from station/AT-TCON) (1) X-XXXX (Pilot Station No. of the UCD Group) (2) 0/1 ◀ : Not to be provided/To be provided • Y = 5 (C.O. Incoming Call: DDD: FX/WATS) (1) X-XXXX (Pilot Station No. of the UCD Group) (2) 0/1 ◀ : Not to be provided/To be provided |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">A</div> | | |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

| | DESCRIPTION | DATA |
|------|---|---|
| A | | |
| CM17 | | <ul style="list-style-type: none"> • Y = 6 (Tie Line Incoming Call) (1) X-XXXX (Pilot Station No. of the UCD Group) (2) 0/1 ◀ : Not to be provided/To be provided <ul style="list-style-type: none"> • Y = 7 (DID Call) (1) X-XXXX (Pilot Station No. of the UCD Group) (2) 0/1 ◀ : Not to be provided/To be provided <ul style="list-style-type: none"> • Y=B (Designation of the number of queuing in each UCD group) (1) X-XXXX (Pilot Station No. of the UCD Group) (2) 0/1 ◀ : To be provided (See CM42-16)/ Not to be provided |
| CM42 | Specify the maximum number of queuing in each UCD group. | <ul style="list-style-type: none"> (1) 16 (2) 01-99 (Number of queuing in each UCD group) |
| CM41 | Specify the basic call answer delay time for use in PEG Count analysis. | <ul style="list-style-type: none"> • Y = 0 (1) 16 (2) 01-30 : 4-120 sec. in 4 sec. increments <p>If no data is set, the default setting is 32-36 seconds.</p> |
| CM20 | Assign the access code for UCD Station Busy-Out Set and Reset. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access Code) (2) 044: Busy-Out Set 045: Busy-Out Reset |
| CM90 | Assign the UCD Busy-Out key on the Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F0044: UCD Busy-Out |
| | Assign the Release key on the Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + + Key No. (2) F1020: Release |
| B | | |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

| | DESCRIPTION | DATA |
|--|--|---|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">B</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 5px auto; text-align: center; line-height: 20px;">CM08</div> | <p>Specify the processing for an incoming call when all UCD Stations are busy.</p> <p>Specify the processing for a held call after setting the UCD Busy-Out.</p> <p>Specify that the transferred C.O. call from a station or SN610 ATTCON is placed into queuing mode when all UCD stations are busy.</p> <p>Note: <i>This data is only effective when CM08-212 is set to 1.</i></p> <p>Enable the UCD Busy-Out set and reset from the secondary extension. (1200 Series Enhancement)</p> | <p>(1) 212 (2) 0/1 ◀ :Busy Tone Connection /Queuing</p> <p>(1) 214 (For the held Call from Tie Line) (2) 0/1 ◀ :Reconnected by Switch Hook Flash/Disconnected</p> <p>(1) 215 (For the held call from C.O. Line) (2) 0/1 ◀ :Reconnected by Switch Hook Flash/Disconnected</p> <p>(1) 227 (2) 0: The call is placed into queuing mode.</p> <p style="padding-left: 20px;">Note 1 ◀ : 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).</p> <p>(1) 442 (2) 0/1 ◀ : Available/Not Available</p> |
| <div style="border: 1px solid black; width: 40px; height: 15px; margin: 0 auto; text-align: center; line-height: 15px;">END</div> | | |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

To provide the delay announcement for UCD:

| START | DESCRIPTION | DATA |
|-------|--|---|
| CM10 | Assign a Digital Announcement Trunk Circuit No. to each LEN No. | <ul style="list-style-type: none"> (1) 0000-0511 (LEN No.) (2) EB000-EB127 (Digital Announcement Trunk Circuit No.) |
| CM12 | Assign the Class of Service for Digital Announcement Trunk Access (Record/Replay/Delete) to the required station. | <ul style="list-style-type: none"> • CM12 YY=02 (1) X-XXXX: Station No. (2) <u>XXXX</u> *a *a: Service Restriction Class (A) (00-15 ◀) |
| CM15 | | |
| CM17 | Specify the pattern of the message sent to each UCD group. | <ul style="list-style-type: none"> • Y = A (1) X-XXXX: Pilot Station number of the UCD Group (2) 0: To be sent periodically 1 ◀ : To be sent only once. |
| CM41 | If the data for CM17 Y = A is "0", set the interval time for UCD Delay Announcement. | <ul style="list-style-type: none"> • Y = 0 (1) 47 (2) 01-30 : 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| CM49 | Define the maximum waiting time of a UCD Call for the UCD PEG Count. This timing is also applied to the duration of Ringback Tone after a call arrives before the first Delay Announcement answers the call. | <ul style="list-style-type: none"> • Y = 0 (1) 16 (2) 01-30 : 4-120 sec. in 4 sec. increments If no data is set, the default setting is 32-36 seconds. |
| CM49 | Assign the UCD Delay Announcement function to the required Digital Announcement Trunk Circuit. | <ul style="list-style-type: none"> • YY = 00 (1) 000-127 (Digital Announcement Trunk Circuit No.) (2) 0B0<u>XX</u>: UCD Delay Announcement *a 11<u>XX</u>: UCD Second Delay Announcement *a *a: UCD Group No. (00-15)- |
| A | | |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

| | DESCRIPTION | DATA |
|------------|---|--|
| A | | |
| CM20 | Assign an access code to record, replay, and delete the Digital Announcement Trunk. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXXX: Access code (2) A00: Record A01: Replay A02: Delete |
| CM51 | <p>When transferring the call to an extension or Attendant after the 1st interval time of UCD Delay Announcement, assign the destination.</p> <p>Note: <i>This command is only effective when CM17, Y=A is set to 0 (to be sent periodically).</i></p> | <ul style="list-style-type: none"> • Y=17 (1) 00-63: Tenant No. (2) Destination: X-XXXX: Station No. or E000: SN610 ATTCON |
| CM08 | Specify a diversion display on a transferred destination (Multiline Terminal or SN610 ATTCON). | <ul style="list-style-type: none"> (1) 357 (2) 0/1 ◀ : Available/Not Available |
| <u>END</u> | | |

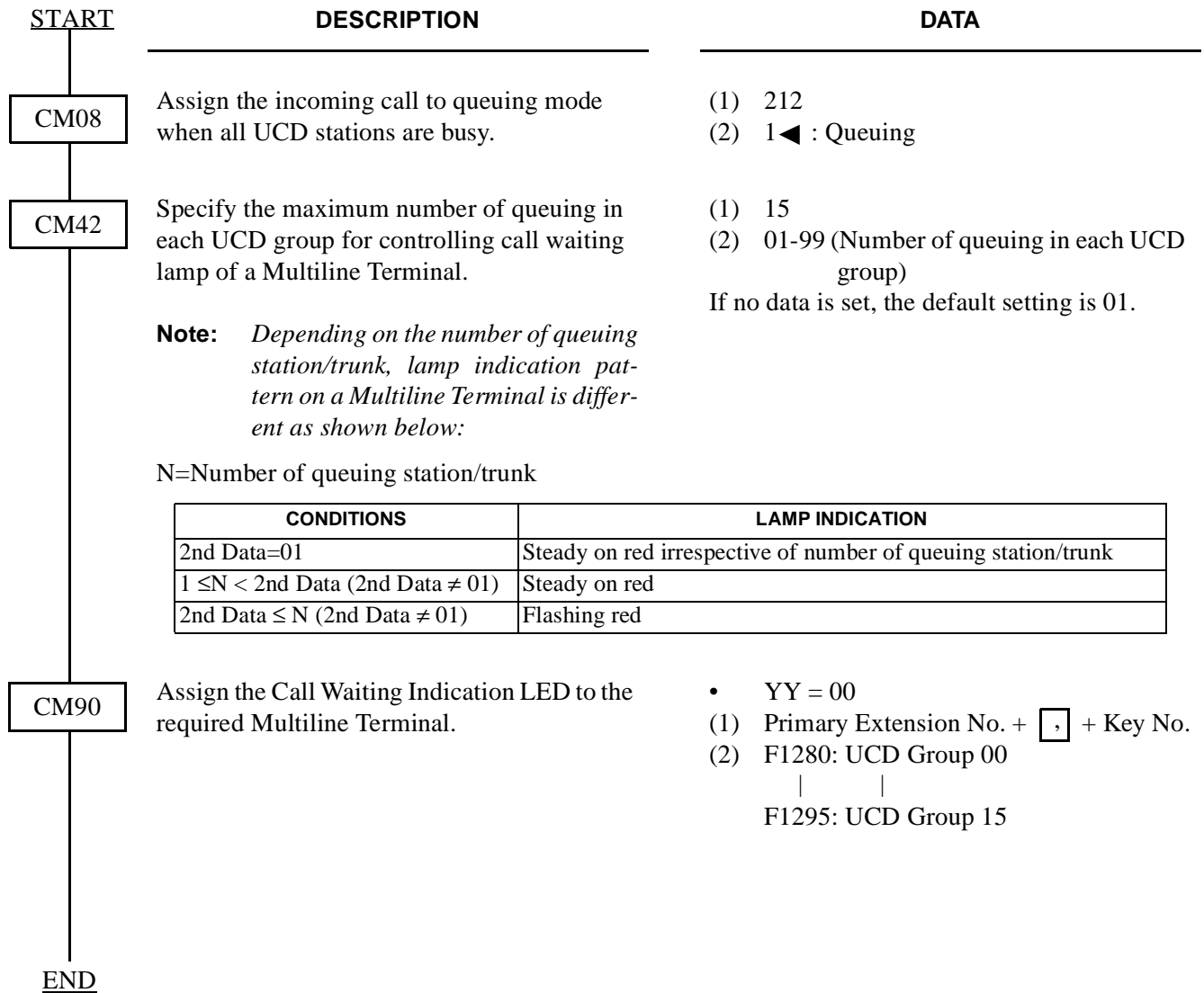
UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

To monitor a UCD call, with or without a Warning Tone:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|--|
| CM08 | Specify the warning tone sent to connected parties (in two-way calling) when monitoring. | (1) 259 (2) 0: No Tone 1◀ : One Warning Tone |
| CM12 | Assign the Class of Service for monitoring stations. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: Station number (2) <u>XXXX</u> *a *a: Service Restriction Class (A) (00-15◀) |
| CM15 | | |
| CM12 | Assign the Class of Service for monitored stations. | <ul style="list-style-type: none"> • CM15 YYY = 103 (1) XX: [Service Restriction Class (A) 00-15] assigned by CM12 YY = 02 (2) 1◀ : Allowed |
| CM15 | | |
| | Note: <i>Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beep-tone(s), to notify all parties to the telephone conversation, and/or obtain consent from all parties to the telephone conversation. Some of these laws provide strict penalties for illegal monitoring of telephone conversations.</i> | |
| CM20 | Assign the access code for monitoring, if required. | <ul style="list-style-type: none"> • Y = 0-3 (Number Plan Group 0-3) (1) X-XXX: Access Code (2) 033: Monitor |
| CM90 | Assign a monitoring function key to the required multiline terminals. | <ul style="list-style-type: none"> • YY = 00 (1) X-XXX: (Primary Ext. No.) + + Key No. (01-16) (2) F0033: Monitor |
| <u>END</u> | | |

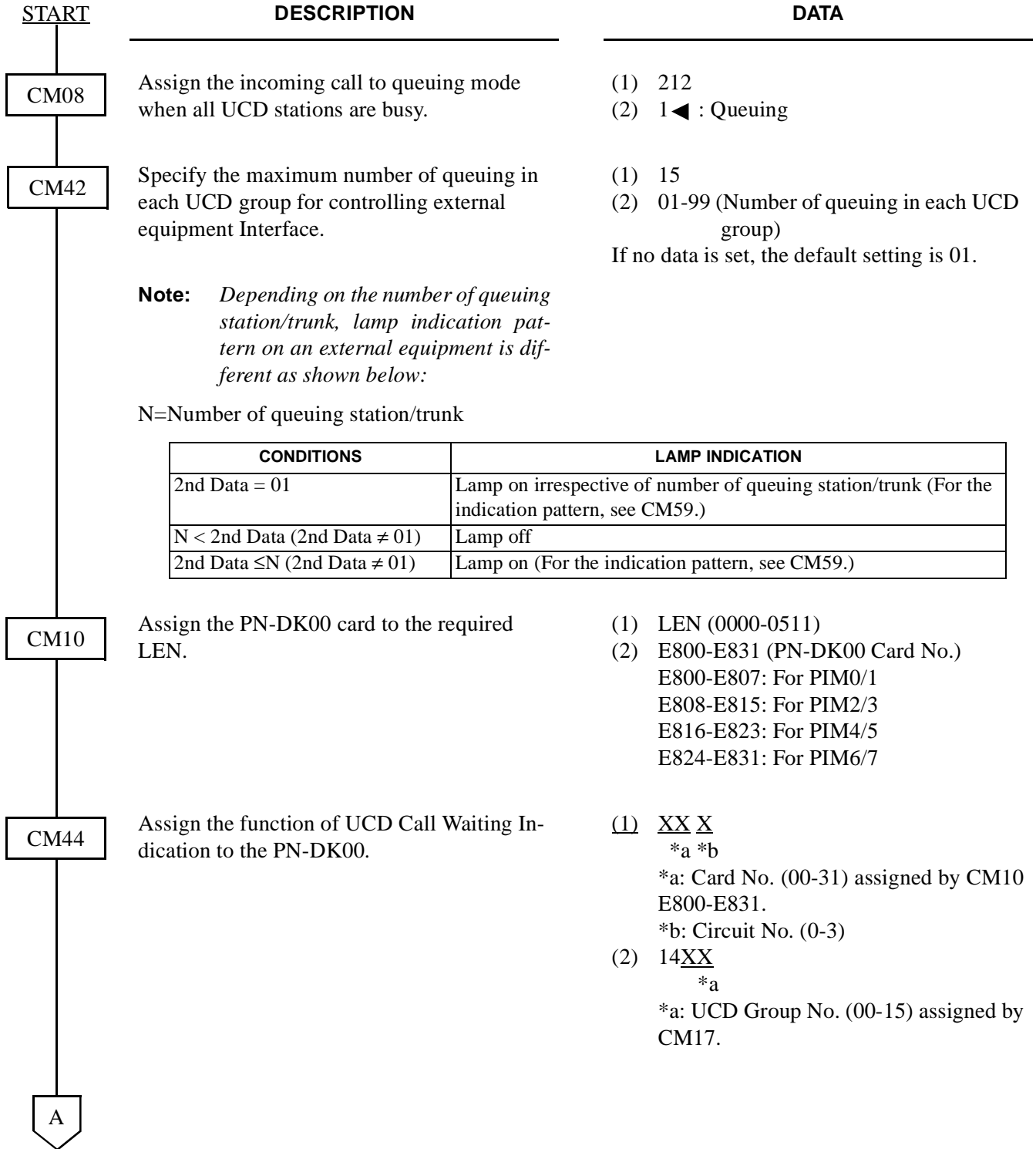
UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

To provide the LEDs on the Multiline Terminal for UCD Call Waiting Indication:



UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

To provide an external indicator for UCD Call Waiting:



UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

| | DESCRIPTION | DATA |
|------|--|---|
| A | | |
| CM59 | Specify the UCD Call Waiting Indicator indication pattern. | (1) 00 (2) 01◀ : 30 IPM (1 sec. ON/OFF) 02: 60 IPM (0.5 sec. ON/OFF) 03: 120 IPM (0.25 sec. ON/OFF) 07: Steadily On |
| END | | |

To provide the priority queuing for incoming trunk calls:

| | DESCRIPTION | DATA |
|-------|---|--|
| START | | |
| CM35 | Assign Priority Queuing per trunk route. | <ul style="list-style-type: none"> • YY=60 (1) Trunk Route No. (00-63) (2) 0/1◀ : To be provided/Not to be provided |
| | Assign Digit Conversion on DID call, if required. | <ul style="list-style-type: none"> • YY=18 (1) Trunk Route No. (00-63) (2) 0/1◀ : To be provided/Not to be provided |
| CM76 | Assign Priority Queuing per DID incoming LDN, if Digit Conversion is provided (CM35 YY=18 is set to 0). | <ul style="list-style-type: none"> • Y=6 (1) X-XXXX: Station Number received (2) 0/1◀ : Not to be provided/To be provided |
| END | | |

UNIFORM CALL DISTRIBUTION (UCD) WITH OVERFLOW

HARDWARE REQUIRED

To provide the delay announcement for UCD:

- PN-2DATA card

To provide the LEDs on the Multiline Terminal:

- ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/PN-4DLCA card

To provide the Indicator for UCD Call Waiting:

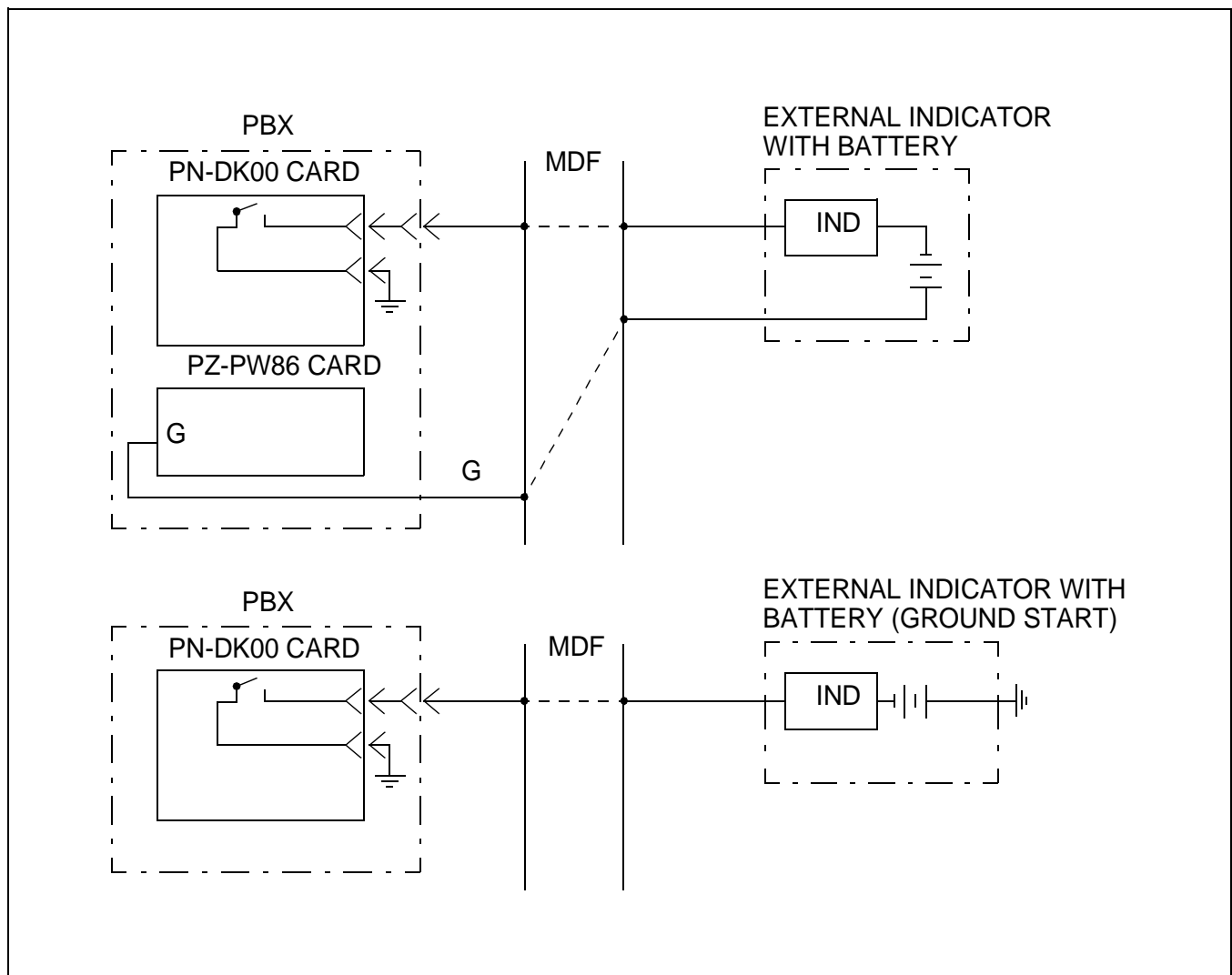
- PN-DK00 card

- External Indicator provided by the customer Requirement for External Indicator

Control Method: Ground/Battery (Max.125 mA)

Type: Visual and/or Audible type with volume control

Make the following connections at the MDF according to the type of the indicator. For details, refer to the MDF cross connection for an External Indicator (TAS Indicator) in the INSTALLATION PROCEDURE MANUAL.



UNIFORM NUMBERING-VOICE & DATA

PROGRAMMING

For an open numbering system:

| START | DESCRIPTION | DATA |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM20</div> | <p>Assign an access code for LCR Group 0-3.</p> | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Group 0-3) (1) X-XXX (Access Code) (2) A26: LCR Group 0 A27: LCR Group 1 A28: LCR Group 2 A29: LCR Group 3 |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM8A</div> | <p>Assign an Area Code Development Pattern No. to each LCR Group.</p> <p>Assign a Route Pattern No. to each area code for the Area Code Development Pattern No. assigned by CM8A $YYY = A00$.</p> <p>Assign an area code for Intra-Office Terminations, if required.</p> <p>Specify the order of LCR selection for the Route Pattern No. assigned by $YYY = 405-407$.</p> | <ul style="list-style-type: none"> • $YYY = A00$ (1) 0-3: LCR Group 0-3 (2) 5-7: Area Code Development Pattern No. 5-7 <ul style="list-style-type: none"> • $YYY = 405-407$ (Area Code Development Pattern No. 5-7) (1) NXX/1NXX (Area Code, Max. 8 digits) (2) 000-063 (Route Pattern No. 00-63) <ul style="list-style-type: none"> • $YYY = 405-407$ (Area Code Development Pattern No. 5-7) (1) X-XXXXX (Area Code, 1-5 digits) (2) 800 (Intra-Office Termination) 801 (1-digit intra-office station) 802 (2-digit intra-office station) 803 (3-digit intra-office station) 804 (4-digit intra-office station) 805 (5-digit intra-office station) <ul style="list-style-type: none"> • $YYY = 000-063$ (Route Pattern No. 00-63) (1) 1-4: Order of LCR Selection 1: 1st 2: 2nd 3: 3rd 4: 4th (2) <u>XXX XX</u> *a *b <p>*a: 000-255 (LCR Pattern No. 000-255) *b: 00-63 (Trunk Route No. 00-63)</p> |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> | | |

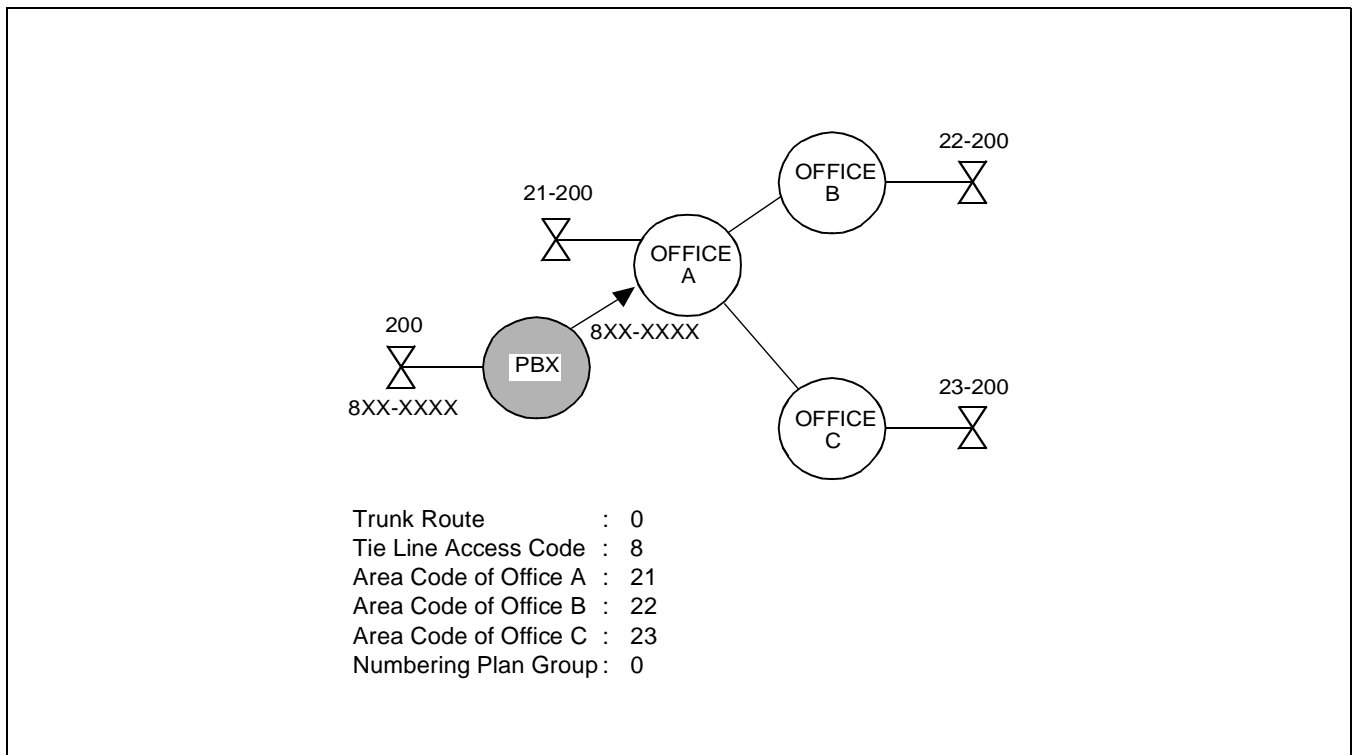
UNIFORM NUMBERING-VOICE & DATA

| | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">A</div> <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; text-align: center;">CM8A</div> | <p>Assign the digits to be deleted from calls to distant offices. To delete all digits of an area code:</p> <p>To delete the designated digit of an area code:</p> <p>Assign the digits to be added to the digits sent to the distant office.</p> | <ul style="list-style-type: none"> • YYY = 500-755 (LCR Pattern No. 000-255) <ol style="list-style-type: none"> (1) 151 [Deletion of all digits of area code (NXX, 1NXX)] assigned by YYY = 405-407) (2) 0: To be deleted • YYY = 500-755 <ol style="list-style-type: none"> (1) 153 (Designation of digit to be deleted) (2) 00: No digits deleted 01: First digit deleted 10: First 10 digits deleted CCC: No digits deleted • YYY = 500-755 <ol style="list-style-type: none"> (1) 100 (Designation of digit Addition Pattern No.) (2) 00-49 (Digit Addition Pattern No. 00-49) CCC: No digits added • YYY = 900-949 (Digit Addition Pattern No. 00-49) <ol style="list-style-type: none"> (1) 0 (2) X-X...X [Digits to be added (Max. 32 digits)] X = 0-9, A (*), B (#), C (Fixed Pause) • YY = 17 <ol style="list-style-type: none"> (1) 00-63 (Trunk Route No.) (2) 00: Add 0 01: Add 1 02: Add 2 03: Add 3 04: Add 4 05: Add 5 06: Add 6 07: Add 7 08: Add 8 09: Add 9 10: Add 2 digits per CM50 |
| <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; text-align: center;">CM35</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">B</div> | <p>Assign the digits to be added to the required trunk routes when adding digits to those received from a distant office.</p> | |

UNIFORM NUMBERING-VOICE & DATA

| | DESCRIPTION | DATA |
|------------|--|--|
| B | | |
| CM35 | Assign the data for digit deletion to the required trunk routes for deleting the first one or two digits received from a distant office. | <ul style="list-style-type: none"> • YY = 17 (1) 00-63 (Trunk Route No.) (2) 11: Delete first digit 12: Delete first two digits |
| CM50 | If two digits are to be added, assign the digits to be added (See CM35 YY = 17, 2nd data = 10). | <ul style="list-style-type: none"> • YY = 00 (1) 0 (2) XX (Digits to be added) |
| <u>END</u> | | |

Example 1: When the PBX is an end office in a network employing an Open Numbering System, office A requires all the digits dialed on an incoming call from the PBX.

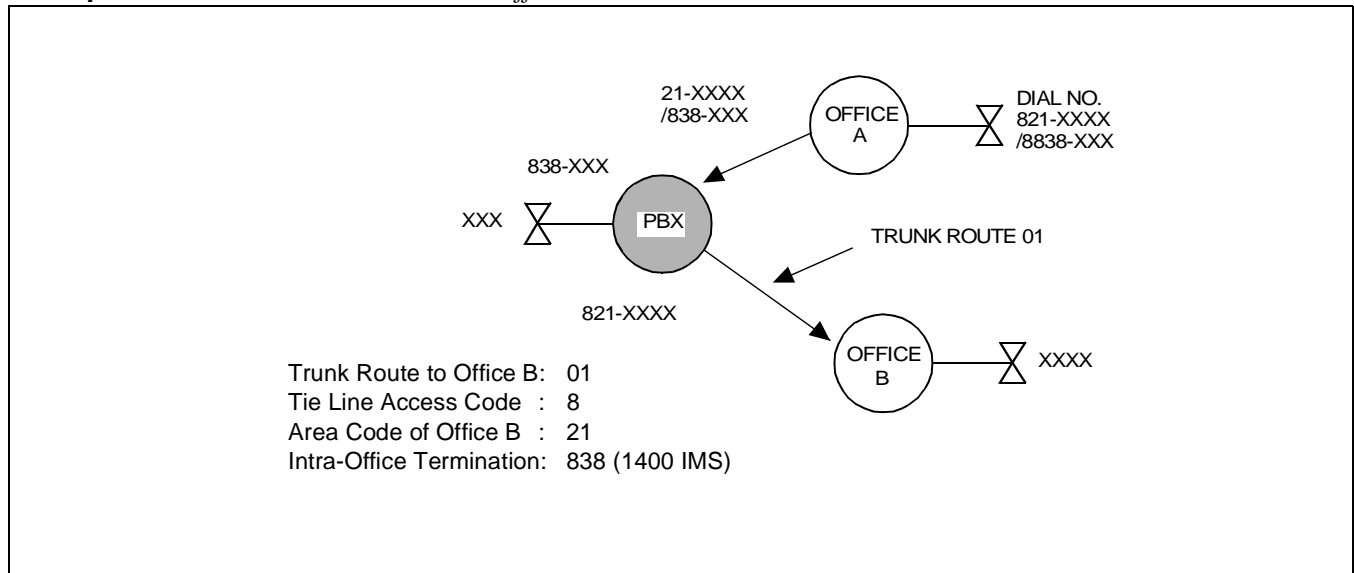


UNIFORM NUMBERING-VOICE & DATA

Programming for **Example 1:**

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS |
|--------------|----------|----------|--|
| 20 Y= 0 | 8 | A26 | Assignment of Access Code 8 of LCR Group 0. |
| 8A YYY = A00 | 0 | 5 | Assignment of Area Code Development Pattern No. 5. |
| 8A YYY = 405 | 21 | 000 | Assignment of Route Pattern No. 00 to Area Codes 21, 22, and 23. |
| 8A YYY = 405 | 22 | 000 | |
| 8A YYY = 405 | 23 | 000 | |
| 8A YYY = 000 | 1 | 00000 | Assignment of the order of LCR selection (1st) for Route Pattern No. assigned by YY Y = 405. |
| 8A YYY = 500 | 100 | 00 | Assignment of Digit Addition Pattern No. 00. |
| 8A YYY = 900 | 0 | 8 | Assignment of the digital code to be added for each area code. |

Example 2: *When the PBX is a Tandem Office in the network.*



UNIFORM NUMBERING-VOICE & DATA

Programming for **Example 2:**

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS |
|---------------------|-----------------|-----------------|---|
| 20 Y = 0 | 8 | A26 | Assignment of Access Code 8 of LCR Group 0. |
| 8A YYY = A00 | 0 | 5 | Assignment of Area Code Development Pattern No. 5. |
| 8A YYY = 405 | 21 | 000 | Assignment of Route Pattern No. 01 to Area Code 21 of office B. |
| 8A YYY = 405 | 838 | 800 | Assignment of Intra-Office Termination to the office code 838. |
| 8A YYY = 000 | 1 | 00001 | Assignment of the order of LCR selection (1st) for Route Pattern No. assigned by YYY = 405. |

UNIFORM NUMBERING-VOICE & DATA

- For Closed Numbering System

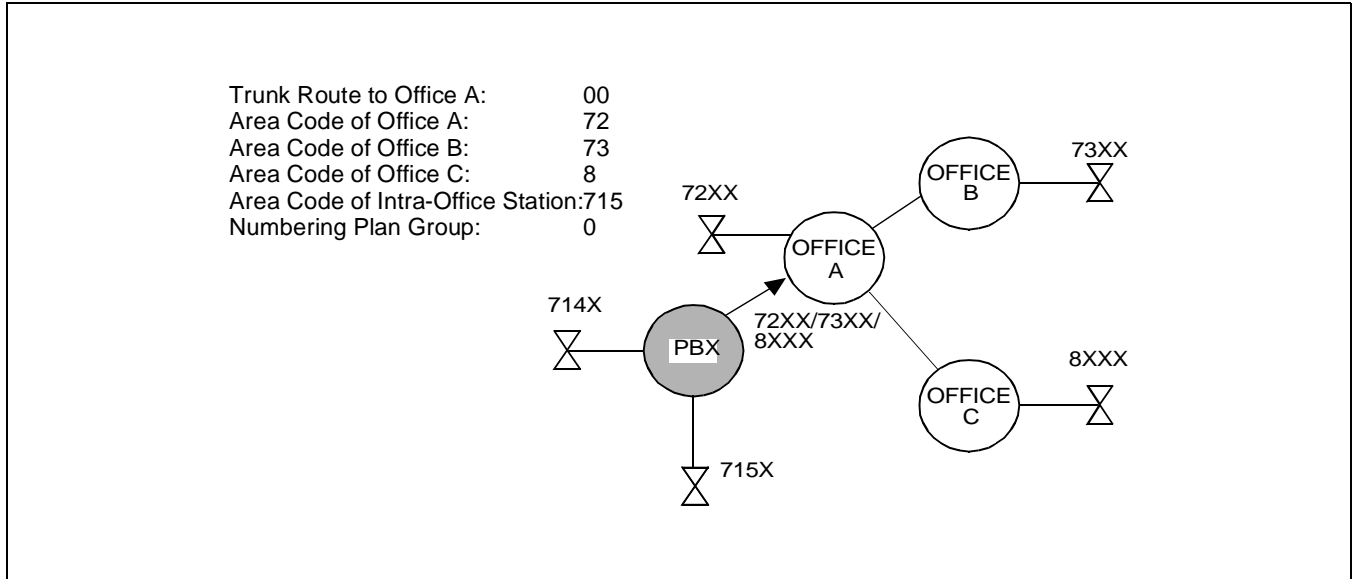
| START | DESCRIPTION | DATA |
|-------|---|--|
| CM20 | Assign an access code for LCR Group 3. | <ul style="list-style-type: none"> • YY = 0-3 (Numbering Group 0-3) (1) X-XXX (Access Code) (2) A29: LCR Group 3 |
| CM8A | <p>Assign an Area Code Development Pattern No. to LCR Group 3.</p> <p>Assign a Route Pattern No. to each area code for the Area Code Development Pattern No. assigned by CM8A $YYY = A00$.</p> <p>Assign an area code (station number) for Intra-Office Terminations, if required.</p> <p>Specify the order of LCR selection for the Route Pattern No. assigned by $YYY = 405-407$.</p> <p>Assign the digits to be deleted when deleting digits of an area code sent to a distant office. To delete all digits of an area code:</p> | <ul style="list-style-type: none"> • $YYY = A00$ (1) 3: LCR Group 3 (2) 5-7: Area Code Development Pattern No. 5-7 <ul style="list-style-type: none"> • $YYY = 405-407$ (Area Code Development Pattern No. 5-7) (1) NXX/1NXX (Area Code, max. 8 digits) (2) 000-063 (Route Pattern No. 00-63) <ul style="list-style-type: none"> • $YYY = 405-407$ (Area Code Development Pattern No. 5-7) (1) X-XXXXX (Area Code, max. 5 digits) (2) 801: 1-digit Intra-Office Station <div style="margin-left: 40px;"> </div> <div style="margin-left: 40px;"> </div> 805: 5-digit Intra-Office Station <ul style="list-style-type: none"> • $YYY = 000-063$ (Route Pattern No. 00-63) (1) 1-4: Order of LCR Selection <li style="margin-left: 40px;">1: 1st <li style="margin-left: 40px;">2: 2nd <li style="margin-left: 40px;">3: 3rd <li style="margin-left: 40px;">4: 4th (2) $\frac{XXX}{*a} \frac{XX}{*b}$ <li style="margin-left: 40px;">*a: 000-255 (LCR Pattern No. 000-255) <li style="margin-left: 40px;">*b: 00-63 (Trunk Route No. 00-63) <ul style="list-style-type: none"> • $YYY = 500-755$ (LCR Pattern No. 000-255) (1) 151 [Deletion of all digits of area code (NXX, 1NXX)] assigned by $YYY = 405-407$ (2) 0: To be deleted |
| A | | |

UNIFORM NUMBERING-VOICE & DATA

| | DESCRIPTION | DATA |
|---|---|--|
| <div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">A</div> <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CM8A</div> | <p>To delete the designated digit of an area code:</p> | <ul style="list-style-type: none"> • $YYY = 500-755$ <ol style="list-style-type: none"> (1) 153 (Designation of digit to be deleted) (2) 00: No digits deleted 01: First digit deleted 10: First 10 digits deleted CCC: No digits deleted |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CM35</div> | <p>Assign the digits to be added when adding digits to those sent to a distant office.</p> <p>Assign the digit to be added to the required trunk routes when adding digits to those received from a distant office.</p> | <ul style="list-style-type: none"> • $YYY = 500-755$ <ol style="list-style-type: none"> (1) 100 (Designation of digit Addition Pattern No.) (2) 00-49 (Digit Addition Pattern No. 00-49) CCC: No digits added • $YYY = 900-949$ (Digit Addition Pattern No. 00-49) <ol style="list-style-type: none"> (1) 0 (2) X-X...X [Digits to be added (Max. 32 digits)] X = 0-9, A (*), B (#), C (Fixed Pause) • $YY = 17$ <ol style="list-style-type: none"> (1) 00-63 (Trunk Route No.) (2) 00: Add 0 01: Add 1 02: Add 2 03: Add 3 04: Add 4 05: Add 5 06: Add 6 07: Add 7 08: Add 8 09: Add 9 10: Add 2 digits per CM50 |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">CM50</div> | <p>Assign the data for digit deletion to required trunk routes for deleting the first one or two digits received from a distant office.</p> <p>If two digit addition is required, assign the digits to be added (See CM35 $YY=17$, 2nd data = 10).</p> | <ul style="list-style-type: none"> • $YY = 17$ <ol style="list-style-type: none"> (1) 00-63 (Trunk Route No.) (2) 11: Delete first digit 12: Delete first two digits • $YY = 00$ <ol style="list-style-type: none"> (1) 0 (2) XX (Digits to be added) |
| <div style="border: 1px solid black; width: 80px; height: 30px; margin: 5px auto; text-align: center;">END</div> | | |

UNIFORM NUMBERING-VOICE & DATA

Example 1: When the PBX is an end office in a network employing a Closed Numbering System.

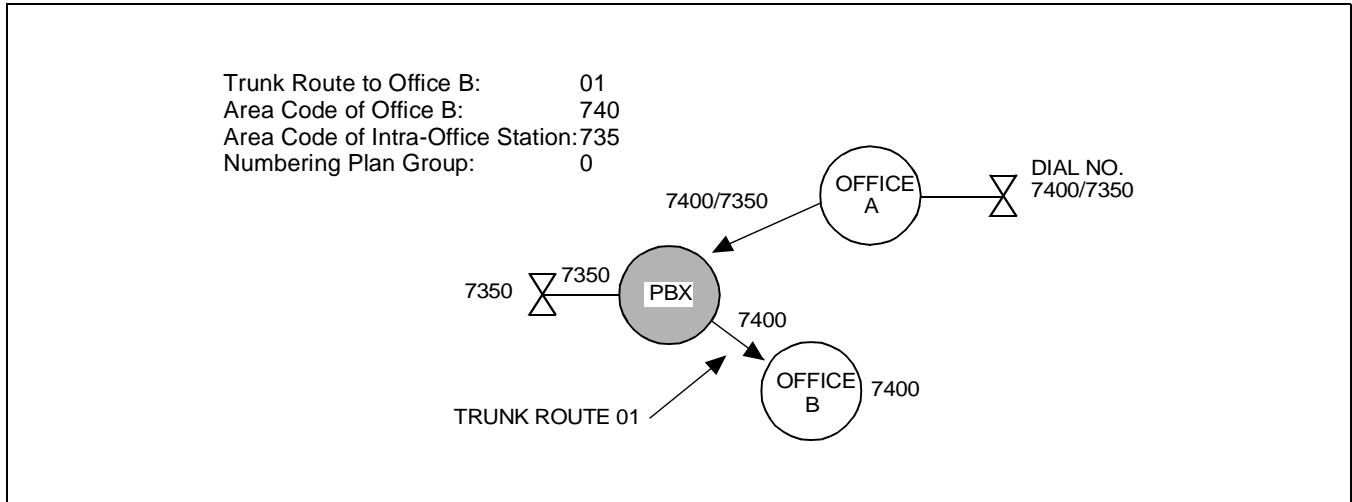


Programming for **Example 1:**

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS |
|--------------|----------|----------|---|
| 20 Y = 0 | 7 | A29 | Assignment of Access Code (7, 8) to LCR Group 3. |
| 20 Y = 0 | 8 | A29 | |
| 8A YYY = A00 | 0 | 5 | Assignment of Area Code Development Pattern No. 5. |
| 8A YYY = 405 | 72 | 000 | Assignment of Route Pattern No. 00 to Area Code (72, 73, & 74). |
| 8A YYY = 405 | 73 | 000 | |
| 8A YYY = 405 | 8 | 000 | |
| 8A YYY = 405 | 715 | 804 | Assignment of the 4-digit Intra-Office Station to the Area Code 715. |
| 8A YYY = 000 | 1 | 00000 | Assignment of the order of LCR selection (1st) for Route Pattern No. assigned by YYY = 405. |

UNIFORM NUMBERING-VOICE & DATA

Example 2: *When the PBX is a Tandem Office in the network.*



Programming for **Example 2:**

| COMMAND CODE | 1ST DATA | 2ND DATA | REMARKS |
|--------------|----------|----------|---|
| 20 Y= 0 | 7 | A29 | Assignment of Access Code 7 of LCR Group 3. |
| 8A YYY= A00 | 3 | 5 | Assignment of Area Code Development Pattern No. 5. |
| 8A YYY= 405 | 740 | 001 | Assignment of Route Pattern No. 01 to Area Code 740 of Office B. |
| 8A YYY= 405 | 735 | 804 | Assignment of the 4-digit Intra-Office Station to the Area Code 735. |
| 8A YYY= 000 | 1 | 00001 | Assignment of the order of LCR selection (1st) for Route Pattern No. assigned by YYY = 405. |

VARIABLE TIMING PARAMETERS

PROGRAMMING

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|--|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM41</div> | Specify the required Timing Parameters according to the user's requirements. If no data is set (Displayed "NONE") the Standard timing which is initially set is applied. | <ul style="list-style-type: none">• Y = 0-2(1) XX] See the Command Manual.(2) XX] |
| <u>END</u> | | |

VOICE GUIDE (1900 Series Enhancement)

PROGRAMMING

To provide the message that is sent when a station goes off hook while Message Waiting/Call Forwarding-All Calls/No No Disturb service is set to the station:

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM08 | Specify the Multi-Connection of the Digital Announcement Trunk (PN-2DATA) on Announcement Service. | (1) 124 (2) 0/1 ◀ : Available/Not Available (Single Connection) |
| CM10 | Assign a Digital Announcement Trunk Circuit No. to the required LEN. Note: <i>The Digital Announcement Trunk Circuit No. must be assigned to the first LEN (Level 0) and/or the third LEN (Level 2) of each LT slot.</i> | (1) LEN (0000-0511) (2) EB000-EB127: Digital Announcement Trunk Circuit No. [For PIM0/1: EB000-EB031 For PIM2/3: EB032-EB063 For PIM4/5: EB064-EB095 For PIM6/7: EB096-EB127] |
| CM12 | Assign the Class of Service for Announcement Service to the required stations. | • CM12 YY = 02 (1) X-XXXX: Primary Extension No. (2) <u>XX</u> XX *a *a: Service Restriction Class (A): 00-15 ◀ • CM15 YY = 34 (Group 0) • CM15 YY = 35 (Group 1) • CM15 YY = 36 (Group 2) • CM15 YY = 37 (Group 3) • CM15 YY = 38 (Group 4) • CM15 YY = 39 [Recording for Announcement Service (Group 0-4)] (1) 00-15: Service Restriction Class (A) assigned by CM12 YY = 02 (2) 1 ◀ : Allowed |
| CM15 | | |
| CM20 | Assign access codes for Announcement Service. | • Y = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access Code (2) A03: Recording message (Group 0-4) A04: Replaying message (Group 0) A05: Replaying message (Group 1) A06: Replaying message (Group 2) A07: Replaying message (Group 3) A08: Replaying message (Group 4) A09: Deleting message (Group 0-4) |
| A | | |

VOICE GUIDE (1900 Series Enhancement)

| | DESCRIPTION | DATA |
|------------|---|---|
| A | | |
| CM48 | Specify the dial tone, which is sent when a station goes off hook while the service is set for the station, as Special Dial Tone. | <ul style="list-style-type: none"> • Y=2 (1) 12 (Dial Tone on Setting Message Waiting) 13 (Dial Tone on Setting Call Forwarding-All Calls) 14 (Dial Tone on Setting Do Not Disturb) (2) 0: Special Dial Tone |
| CM15 | Validate the data set by CM48 Y=2 first data 12, 13, 14. | <ul style="list-style-type: none"> • YYY=116 (1) 00-15: Service Restriction Class A (2) 1◀: Valid |
| CM49 | Assign the function for each Digital Announcement Trunk Circuit. | <ul style="list-style-type: none"> • YY=00 (1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127) (2) 17XX: Voice Guide <ul style="list-style-type: none"> └ Message No. used for this feature (00-63) |
| | Assign the Message sent when the station goes off hook. | <ul style="list-style-type: none"> • YY=13 (1) 00 (Message sent when Message Waiting is set) 03 (Message sent when Call Forwarding-All Calls/Do Not Disturb is set) (2) Message No. (00-63) |
| <u>END</u> | | |

Note 1: While both Message Waiting and Call Forwarding-All Calls/Do Not Disturb Service are set to the station, the message assigned by CM49 YY=13 1st data 00 is sent.

Note 2: While Message Reminder (from STA/ATT) Service is set to the station, the message assigned by CM49 YY=13 1st data 00 is sent.

Note 3: While Split Call Forwarding-All Calls Service is set to the station, the message assigned by CM49 YY=13 1st data 03 is sent.

VOICE GUIDE (1900 Series Enhancement)

To provide the Message which is sent when the service feature setting to the station is completed or cancelled:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM49</div> | <p>Assign the function for each Digital Announcement Trunk Circuit.</p> <p>Assign the Message No. when service setting is completed or cancelled to station.</p> | <ul style="list-style-type: none">• YY=00<ol style="list-style-type: none">(1) 000-127: Digital Announcement Trunk Circuit No. assigned by CM10 (EB000-EB127)(2) 17XX: Voice Guide<ul style="list-style-type: none">└ Message No. used for this feature (00-63) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM41</div> | <p>Message Replay Timer for Announcement Service.</p> | <ul style="list-style-type: none">• Y=0<ol style="list-style-type: none">(1) 53(2) 01-99 (4 sec.-396 sec.)If no data is set, the default setting is 60-64 sec. |
| <u>END</u> | | |

HARDWARE REQUIRED

Digital Announcement Trunk (PN-2DATA)

This page is for your notes.

VOICE MAIL INTEGRATION (IN BAND)

PROGRAMMING

In addition to the programming of CALL FORWARDING-ALL CALLS/BUSY LINE/NO ANSWER, do the following programming.

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM08 | Specify whether Ringing Transfer to an Attendant via VMS is available. Specify the sending of the Mail Box No. to the VMS when the VMS is recalled after transferring a call to an unanswered station. | (1) 063 (2) 0/1 ◀ : Available/Not Available (1) 333 (2) 0: To be sent 1 ◀ : Not to be sent |
| CM13 | Provide Message Waiting service for a station with MW lamp. Provide VMS service for a station port interfaced with the VMS (VMS station). Provide Message Waiting service for a VMS station port. | <ul style="list-style-type: none"> • YY = 03 (1) X-XXXX: (Station No.) (2) 0: To be provided <ul style="list-style-type: none"> • YY = 10 (1) X-XXXX: (Station No.) (2) 0: To be provided <ul style="list-style-type: none"> • YY = 13 (1) X-XXXX: (Station No.) (2) 0: To be provided |
| CM12 | Assign the Class of Service for Message Waiting to a station with a MW lamp and a VMS station port. | <ul style="list-style-type: none"> • CM12 YY = 02 (1) X-XXXX: (Station No.) (2) XXXX |
| CM15 | Assign the access code for MW lamp set/cancel from a VMS station port. Assign the access code to retrieve a message from the VMS and search Message Reminder/Message Waiting. | <ul style="list-style-type: none"> *a: Service Restriction Class (A) (00-15 ◀) • CM15 YY = 24 (Station with MW lamp) YY = 40 (VMS Station) (1) XX: Service Restriction Class (A) assigned by CM12 YY = 02 (2) 1 ◀ : Allowed <ul style="list-style-type: none"> • YY = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access code (2) 040: Set 041: Cancel <ul style="list-style-type: none"> • YY = 0-3 (Numbering Plan Group 0-3) (1) X-XXX: Access code (2) A46: Search A47: Retrieve |
| A | | |

VOICE MAIL INTEGRATION (IN BAND)

| A | DESCRIPTION | DATA |
|---|--|--|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">A</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;">CM50</div> | <p>Assign the access code to be sent out to a VMS after/before a Mail Box Number, if required.</p> <p>Note 1: <i>“C” or “D” should not be assigned as the first digit of an access code, to insert prepause timing. Preactive timing is assigned by CM41 Y = 0, Function No. 44.</i></p> <p>Note 2: <i>If “C” is inserted in the access code, it can be used as a pause (1.5 sec.). To provide a programmable pause, insert “D” instead of “C” (Programmable Pause:CM41 Y = 0, Function No. 38).</i></p> | <ul style="list-style-type: none"> • YY = 00 (1) 3: Access Code to be sent out before a Mail Box No. Note 1 4: Access Code to be sent out after a Mail Box No. (2) X: Access code to be sent out to a VMS XXXX: X: 0-9, A (*), B (#), C/D (Pause) Note 2 NONE ◀ : Available/Not Available |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;">CM41</div> | <p>Specify the prepause timing, DTMF Signal Width, and Inter-digital Pause for VMS.</p> <p>Specify the DTMF signal width for VMS.</p> <p>Specify the DTMF inter-digital pause for VMS.</p> | <ul style="list-style-type: none"> • Y = 0 (1) 44 (Prepause Timing) (2) 00-12, 13: 0-12 sec. in 1 sec increments, 0.5 sec. If no data is set, the default setting is 1 second. • Y = 0 (1) 48 (2) 00/01: 64 msec/128 msec If no data is set, default setting is 128 msec. • Y = 0 (1) 49 (2) 00: 32 msec. 04: 128 msec 01: 64 msec. 05: 160 msec. 02: 80 msec. 06: 192 msec. 03: 96 msec. 07: 240 msec. If no data is set, default setting is 160 msec. |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;">CM77</div> | <p>Assign VMS display, if required.</p> | <ul style="list-style-type: none"> • Y = 0 (By Character Code) (1) X-XXXX: Station No. (2) 564D53 (VMS character code) • Y = 1 (By Character) (1) X-XXXX: Station No. (2) VMS (Character) |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">B</div> | | |

VOICE MAIL INTEGRATION (IN BAND)

| | DESCRIPTION | DATA |
|------|---|---|
| B | | |
| CM51 | Assign the VMS station as the destination of a call from a station which is set Message. | <ul style="list-style-type: none"> • YY = 15 (1) Tenant No. (00-63) (2) X-XXXX: (VMS Station No.) |
| CM90 | Assign the data to provide the MW lamp on a Multiline Terminal, if required. | <ul style="list-style-type: none"> • YY = 00 (1) Primary Extension No. + <input type="text"/> + Key No. (2) F1005 |
| | To access the VMS from SN610 ATTCON, assign Out Pulse (DTMF Signal) -Short/Long key. | <ul style="list-style-type: none"> • YY = 00 (1) ATTCON No. <input type="text"/> + Key No. (2) F6112:Out Pulse (DTMF Signal) - Short F6113:Out Pulse (DTMF Signal) - Long |
| CM41 | When Out Pulse (DTMF Signal)-Long is designated by CM90, assign the DTMF signal width. | <ul style="list-style-type: none"> • Y = 0 (1) 14 (DTMF Signal Width) (2) 01-50: 64-3200 msec (64 msec. increments) <p>If no data is set, default setting is 512 msec.</p> |
| | Note: <i>When Out Pulse (DTMF Signal)-Short is designated by CM90, DTMF Signal width is set to 128 msec (Fixed).</i> | |
| | To allow Voice Mail Password Privacy | |
| CM65 | Assign Password Privacy for the Tenant number of the VMS ports. | <ul style="list-style-type: none"> • YY = 30 (1) Tenant No. of VMS ports (2) 0: Allowed 1◀ : Not allowed |
| | Note: <i>This is effective for ports assigned as VMS ports in CM13 YY=10</i> | |
| END | | |

VOICE MAIL TRANSFER

To transfer a call from an ATTCON to a VMS, if Camp-On is set to the transferred destination, and that is not answered by predetermined timing:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM08 | Provide the system with VMS transfer. | (1) 428 (VMS transfer with Camp-On) (2) 0: Provided |
| CM41 | Specify timer of Attendant Recall for Camp-On. | <ul style="list-style-type: none"> • Y=0 (1) 00 (Attendant Recall Timer) (2) 01: 0-2.4 sec. <li style="padding-left: 40px;">? ? <li style="padding-left: 40px;">14: 31.2-33.6 sec. ◀ (2.4 sec. increments) <li style="padding-left: 40px;">15: 28.8-38.4 sec. <li style="padding-left: 40px;">? ? <li style="padding-left: 40px;">24: 115.2-124.8 sec. (9.6 sec. increments) |
| CM51 | Specify the destination VMS station number when a Camp-On call is not answered. The first data should be the tenant number of the destination station called. | <ul style="list-style-type: none"> • YY=18 (Destination VMS No. assignment) (1) 00-63 (Tenant No.) (2) X-XXXX (VMS pilot number) |
| <u>END</u> | | |

VOICE MAIL TRANSFER

To transfer a call from an ATTCON or a station to a VMS by dialing of a Single Digit Feature Access Code “9” or by pushing a function key, while hearing RBT or BT from the destination station:

| START | DESCRIPTION | DATA |
|-------|---|---|
| START | | |
| CM08 | Specify whether dialing of the Single Digit Feature Access Code is allowed or not while hearing RBT. | (1) 156 (Single Digit Feature Access Code while hearing RBT) (2) 0: Allowed 1◀ : Not allowed |
| | Specify whether dialing of the Single Digit Feature Access Code is allowed or not while hearing BT. | (1) 208 (Single Digit Feature Access Code while hearing BT) (2) 0: Allowed 1◀ : Not allowed |
| CM51 | Specify the destination VMS station number by transferring with Single Digit Feature Access Code or a function key. The first data should be the tenant number of the destination station called. | <ul style="list-style-type: none"> • YY=18 (Destination VMS No. assignment) (1) 00-63 (Tenant No.) (2) X-XXXX (VMS pilot number) |
| CM90 | To the ATTCON or the Multiline Terminal, assign a function key to transfer a call to a VMS while hearing RBT or BT, if required. | <ul style="list-style-type: none"> • YY=00 For ATTCON: (1) ATTCON No. (E000-E007) + <input type="text"/> + Key No. (01-24) (2) F6123 (Transferring to VMS) For Multiline Terminal: (1) Primary Extension No. (X-XXXX) + <input type="text"/> + Key No. (01-24, 30-37) (2) F5001 (Transferring to VMS) |
| END | | |

To provide a Multiline Terminal with One Touch keys to send Called Number + DTMF Signal after the called party answered, for VMS operations (such as “VMS Extension No. + Mail Box Number or Password”), refer to the programming (2), (4) in the “STATION SPEED DIALING”.

HARDWARE REQUIRED

For interfacing to a VMS with Analog Dialogic Board: PN-4LCJ or PN-4LCD-A

For interfacing to a VMS with Digital Dialogic Board: PN-4DLCA or PN-4DLCD

For providing the Single-Line Telephone with a Message Waiting Lamp: PN-4LCD card

For providing the Multiline Terminal: PN-2DLCB/PN-4DLCA card

WHISPER PAGE

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|--|--|
| CM12 | Assign the Service Restriction Class to required stations. | <ul style="list-style-type: none"> • YY=02 (1) X-XXXX: Station No. (2) <u>XX</u> XX └── Service Restriction Class A (00-15 ◀) |
| CM15 | Specify the Service Restriction Class for whispering station and whispered station. | <ul style="list-style-type: none"> • YYY=111 (Whispering station's class) • YYY=112 (Whispered station's class) (1) 00-15: Service Restriction Class A (2) 0 : Restricted 1 ◀: Allowed |
| CM20 | Assign the access code for Whisper Page. | <ul style="list-style-type: none"> • Y=0-3 (Numbering Plan Group 0-3) (1) X-XXX (Access code) (2) A88 (Whisper Page) |
| CM90 | Provide the Multiline Terminal (whispering side) with a Whisper Page key, if required. | <ul style="list-style-type: none"> • YY=00 (1) Primary Extension No. + + Key No. (2) F0A88 (Whisper Page) |
| CM08 | Specify whether the call termination to My Line is restricted or allowed, while the station user makes a call with a secondary extension or trunk line on the Multiline Terminal. | <ul style="list-style-type: none"> (1) 268 (2) 0 : Restricted 1 ◀: Allowed |
| CM08 | Specify Busy/Idle Status Check Method as "Station Base" or "Extension Base". | <ul style="list-style-type: none"> (1) 269 (2) 0 : Station Base 1 ◀: Extension Base |
| CM08 | <p>Note: When 2nd data of CM08-268 and CM08-269 is set to "0", Whisper Page is available for the extension which is making a call with a secondary extension or trunk line on the Multiline Terminal.</p> | |
| CM48 | Specify the dial tone, which is sent to the other party when the whispered station answers the Whisper Page. (1900 Series Release 2 Enhancement) | <ul style="list-style-type: none"> • Y=2 (1) 17 (2) 0 : No Tone 1 ◀: Hold Tone |
| END | | |

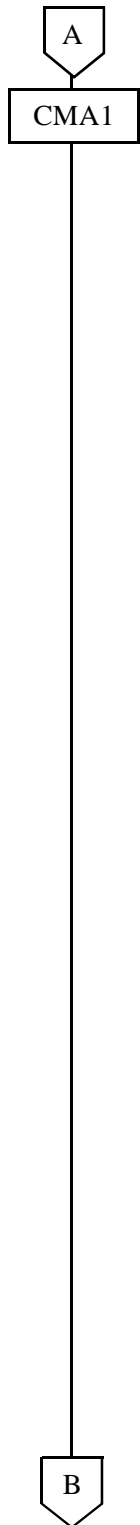
ASYNCHRONOUS DATA SWITCHING

2.2 Data Communications Features

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|--|
| CM1A | Assign a Data Station Number to the Primary Extension Number (assigned by CM10) of the Multiline Terminal equipped with a Data Adapter. | (1) Primary Extension Number (X-XXXX) (2) Data Station Number (X-XXXX) |
| | INITIAL | |
| CM20 | Specify the Data Station Number length. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) Leading one/two/three digits of Data Station No. (2) 801: Single digit 802: 2 digits 803: 3 digits 804: 4 digits |
| CM90 | Assign the functions for data communication to Programmable Keys on the Multiline Terminal. | <ul style="list-style-type: none"> • Y = 00 (Programmable Key Assignment) (1) Primary Extension No. + [] + Key No. (2) F2000: DATA F2001: AUTO/DISP F2002: DTX F2003: DISP F2004: AUTO F2005: DATA DND |
| | Note: The minimum keys which must be programmed are DATA and DTX | |
| CMA0 | Assign the type of Data Adapter to the Data Station Number. | (1) Data Station No. (X-XXXX) (2) 02: SN1152 DTAM-A Data Adapter |
| A | | |

ASYNCHRONOUS DATA SWITCHING



| DESCRIPTION | DATA |
|--|---|
| <p>Assign the attribute data for Data Adapter in accordance with the specification of the DTE connected.</p> | <ul style="list-style-type: none"> • YY = 00 (Detection of DTR signal from DTE) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0/1 ◀ : Not detected/Detected • YY = 01 (Automatic Answer) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0/1 ◀ : Automatic Answer/Selected by AUTO Key • YY = 04 (Data Transmission Speed) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 00 : 50 bps 01 : 75 bps 02 : 110 bps 03 : 150 bps 04 : 200 bps 05 : 300 bps 06 : 600 bps 07 : 1200 bps 08 : 2400 bps 09 : 4800 bps 10 : 9600 bps 11 : 19.2 Kbps 12 : 48 Kbps 13 : 56 Kbps 31 ◀ : 1200 bps • YY = 05 (Parity Check) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0/1 ◀ : Effective/Ineffective • YY = 06 (Async./Sync.) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 7 ◀ : Asynchronous • YY = 07 (Transmission Mode) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0/1 ◀ : Half Duplex/Full Duplex |

ASYNCHRONOUS DATA SWITCHING

| B | DESCRIPTION | DATA |
|---|-------------|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CMA1</div> <div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">END</div> </div> | | <ul style="list-style-type: none"> • YY = 08 (Number of Stop Bits) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0/1 ◀ : 2-Stop Bits/1-Stop Bit • YY = 09 (Type of Code) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 00 : ASCII (7-bit) + even parity 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) 15 ◀ : Non character (Binary Data) • YY = 13 (RI signal sent to DTE) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 1 : 2 sec. ON, 4 sec. OFF 2 : 1 sec. ON, 2 sec. OFF 3 ◀ : Continuous Signal (Usually set to "1") • YY = 14 (CTS signal delay timing after receiving RTS signal from DTE) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 01 : 0 ms 02 : 30 ms 03 : 60 ms 04 : 120 ms 05 : 240 ms 06 : 360 ms 07 : 720 ms 08 : 1080 ms 15 ◀ : 60 ms • YY = 21 (Rate Adaptation) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 00 : PROTIMS 04 : V. 110 15 ◀ : Not used |

ASYNCHRONOUS DATA SWITCHING

HARDWARE REQUIRED

SN1152 DTAM-A Data Adapter

ETJ-8-1/ETJ-16DC-1/ETJ-16DD-1/ETJ-24DS-1 and PN-2DLCB/4DLCA card

DTE

DATA HOTLINE

PROGRAMMING

In addition to the programming of Asynchronous/Synchronous Data Switching, do the following programming to the required data stations.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | | |
|-------------------------|---|--|---------------------|--------------------|----|-----------|-----------|----|-----------|-----------|--|
| CMA1 | Assign the attribute data for the desired Data Hotline Stations. | <ul style="list-style-type: none"> • YY = 11 (Hotline Data Station) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0 : Hotline Data Station (Calling Side) • YY = 12 (Hotline call originating method) <ol style="list-style-type: none"> (1) Data Station No. (X-XXXX) (2) 0 : By pressing DATA key or turning DTR signal from DTE on. <li style="padding-left: 40px;">1◀ : By pressing DATA key | | | | | | | | | |
| CM52 | Set up the Hotline Pair Data Stations. Bidirectional Hotline should be assigned as follows: <table style="margin-left: 40px; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Hotline Pair No.</u></th> <th style="text-align: left;"><u>Calling Side</u></th> <th style="text-align: left;"><u>Called Side</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Station A</td> <td>Station B</td> </tr> <tr> <td>01</td> <td>Station B</td> <td>Station A</td> </tr> </tbody> </table> <p style="margin-top: 10px;">Note: <i>There is a maximum of 100 assignments for Hotline destination. If internal bidirectional Hotline calling is required, two assignments (one for each direction) must be assigned. A maximum of 50 bidirectional Hotline pairs can be assigned.</i></p> | <u>Hotline Pair No.</u> | <u>Calling Side</u> | <u>Called Side</u> | 00 | Station A | Station B | 01 | Station B | Station A | <ul style="list-style-type: none"> • YY = 00-99 (Hotline Pair Number) <p style="margin-left: 20px;">To assign calling station:</p> <ol style="list-style-type: none"> (1) 0 (2) Calling Data Station No. <p style="margin-left: 20px;">To assign calling station:</p> <ol style="list-style-type: none"> (1) 1 (2) Called Data Station No. |
| <u>Hotline Pair No.</u> | <u>Calling Side</u> | <u>Called Side</u> | | | | | | | | | |
| 00 | Station A | Station B | | | | | | | | | |
| 01 | Station B | Station A | | | | | | | | | |
| <u>END</u> | | | | | | | | | | | |

DATA HOTLINE-OUTSIDE

PROGRAMMING

In addition to the programming of Asynchronous/Synchronous Data Switching, do the following programming to the required data stations.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | |
|--|--|---|--------------------|-----------------|----|---|---|---------------------|----|---|
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM71</div> | <p>Allocate the memory area for the Hotline-Outside call.</p> <p>For example, to assign the 10 Hotline-Outside calls into No. 100 through No. 109 Memory Slots, 2nd data is "100010". Abbreviated numbers are automatically assigned as shown below.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="border: none;"></th> <th style="border: none; text-align: center;"><u>Abbrev. No.</u></th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">Memory Slot 100</td> <td style="border: none; text-align: center;">00</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">⋮</td> <td style="border: none; text-align: center;">⋮</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px; text-align: center;">Memory Slot No. 109</td> <td style="border: none; text-align: center;">09</td> </tr> </tbody> </table> | | <u>Abbrev. No.</u> | Memory Slot 100 | 00 | ⋮ | ⋮ | Memory Slot No. 109 | 09 | <p>(1) 65: For Hotline-Outside</p> <p>(2) $\frac{XXX}{*a} \frac{XXX}{*b}$: See left column</p> <p>*a: First Memory Slot No. in Block (000-299)</p> <p>*b: Number of Memory Slots to be assigned in Block (001-300)</p> |
| | <u>Abbrev. No.</u> | | | | | | | | | |
| Memory Slot 100 | 00 | | | | | | | | | |
| ⋮ | ⋮ | | | | | | | | | |
| Memory Slot No. 109 | 09 | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM72</div> | <p>Assign the outside party's number to each Memory Slot No.</p> | <p>(1) XXX: Memory Slot No. (000-299)</p> <p>(2) X...X: Access Code (Maximum of 2 digits) + + Outside Party's Number (Maximum of 26 digits)</p> | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CM52</div> | <p>Assign the Data Hotline pairs.</p> | <ul style="list-style-type: none"> • YY = 00-99 (Hotline Pair No.) <p>To assign calling station</p> <p>(1) 0</p> <p>(2) Calling Data Station No.</p> <p>To assign called outside party</p> <p>(1) 1</p> <p>(2) 01$\frac{XX}{*a}$</p> <p>*a: Abbreviated No. given by CM71</p> | | | | | | | | |
| <u>END</u> | | | | | | | | | | |

DATA HUNTING

PROGRAMMING

In addition to the programming of Asynchronous/Synchronous Data Switching, do the following programming to the required Data Stations.

To assign Station Hunting-Circular:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--|---|---|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM18</div> | <p>To set up each Hunting Group, assign data station numbers, one by one, in order of the Hunting as shown below.</p> <p>Example: <i>For Setting Data Station Number 200, 201, 202 into one Hunting Group.</i></p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-right: 10px;"> <p>1st Operation [(1) 200 (2) 201</p> <p>2nd Operation (1) 200 (2) 202</p> <p>3rd Operation (1) 202 (2) 200</p> </div> <div style="text-align: center;"> </div> </div> <p>Specify the Hunting capability of each Data Station.</p> <p>In case of Station Hunting-Circular, all data stations should be set to "1".</p> <p>Note 1: <i>The maximum number of data stations per hunt group is 60. There is no limit to the number of Circular Hunt groups within the system.</i></p> <p>Note 2: <i>Each data station can belong to only one hunt group.</i></p> <p>Note 3: <i>The Attendant Console cannot be a member of a hunt group.</i></p> | <ul style="list-style-type: none"> • Y = 0 (1) X-XXXX (Data Station No. to be included in the Hunting Group) (2) X-XXXX (Another Data Station No. to be linked) <ul style="list-style-type: none"> • Y = 1 (1) X-XXXX (Data Station No.) (2) 1: All the data stations of Circular system |
| <u>END</u> | | |

DATA HUNTING

To assign Station Hunting-Terminal:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|---|---|
| CM18 | <p>To set up each Hunting Group, assign data station numbers, one by one, as shown below.</p> <p>1st Operation [(1) Station A (2) Station B</p> <p>2nd Operation [(1) Station B (2) Station C</p> | <ul style="list-style-type: none">• Y = 0(1) X-XXXX (Data Station No. to be included in the Hunting Group)(2) X-XXXX (Another Data Station No. to be included in the Same Hunting Group.) |
| | <p>Assign the Pilot Station to required data station number within the Hunting Group. For the Member Data Stations, set the data to "0".</p> | <ul style="list-style-type: none">• Y = 1(1) X-XXXX (Data Station No.)(2) 1 : Pilot Data Station 0◀ : Member Data Station |
| | <p>Note: <i>The maximum number of data stations that can be included on one Hunting group is 60, including the pilot data station. There is no limit to the number of Terminal Hunting groups within the system.</i></p> | |
| <u>END</u> | | |

DATA INTERFACE-AUTOMATIC ANSWER

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM90 | Assign the Data Interface-Automatic Answer key to a line key on the Multiline Terminal. | <ul style="list-style-type: none">• YY = 00(1) Primary Extension Number + [] + Key No.(2) F2001: AUTO/DISPorF2003: AUTO |
| CMA1 | Assign the attribute data for each data terminal. | <ul style="list-style-type: none">• YY = 01 (Automatic Answer)(1) X-XXXX (Data Station No.)(2) 0 : Automatic Answer1◀ : Manual/Automatic Answer (Selectable by AUTO/DISP / AUTO) |
| END | | |

DO NOT DISTURB-DATA LINE

PROGRAMMING

To provide Do Not Disturb-Data Line key to the required data stations:

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> |
|--------------|--|--|
| CM90 | Assign the Do Not Disturb-Data Line key to a line key on the Multiline Terminal. | <ul style="list-style-type: none">• YY = 00(1) Primary Extension No. + [] + Key No.(2) F2005: <u>DATA DND</u> |
| <u>END</u> | | |

NAILED-DOWN CONNECTION

PROGRAMMING

In addition to the programming of Asynchronous/Synchronous Data Switching, do the following programming to the required data stations.

| <u>START</u> | <u>DESCRIPTION</u> | <u>DATA</u> | | | | | | | | | | | | |
|--|--|---|----------|----------|-------------------|--------|--------|-------------------|--------|--------|-------------------|------|------|--|
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CM35</div> | Specify the connecting digital trunks in inter-office digital data transmission via DDI/CCIS. | <ul style="list-style-type: none"> • YY = 92 (1) Trunk Route Number (2) 0 : 48 kbps (Digital Data) <li style="padding-left: 20px;">1 : 56 kbps (Digital Data) <li style="padding-left: 20px;">2 : 64 kbps (Transparent Digital Data) <li style="padding-left: 20px;">7◀ : Analog Data (Modem) | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CMA5</div> | Assign Nailed-Down Connection pattern between data terminal and DTI for digital data transfer. | <ul style="list-style-type: none"> • YY = 00-99 (Memory Block) (1) X-XXXX (Data Station Number A) (2) X-XXXX (Data Station Number B) | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Connection Pattern</th> <th style="text-align: center;">1st Data</th> <th style="text-align: center;">2nd Data</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Data STA-Data STA</td> <td style="text-align: center;">X-XXXX</td> <td style="text-align: center;">X-XXXX</td> </tr> <tr> <td style="text-align: center;">Data STA-Data TRK</td> <td style="text-align: center;">X-XXXX</td> <td style="text-align: center;">X-XXXX</td> </tr> <tr> <td style="text-align: center;">Data TRK-Data TRK</td> <td style="text-align: center;">DXXX</td> <td style="text-align: center;">DXXX</td> </tr> </tbody> </table> | Connection Pattern | 1st Data | 2nd Data | Data STA-Data STA | X-XXXX | X-XXXX | Data STA-Data TRK | X-XXXX | X-XXXX | Data TRK-Data TRK | DXXX | DXXX | |
| Connection Pattern | 1st Data | 2nd Data | | | | | | | | | | | | |
| Data STA-Data STA | X-XXXX | X-XXXX | | | | | | | | | | | | |
| Data STA-Data TRK | X-XXXX | X-XXXX | | | | | | | | | | | | |
| Data TRK-Data TRK | DXXX | DXXX | | | | | | | | | | | | |
| <u>END</u> | | | | | | | | | | | | | | |

SYNCHRONOUS DATA SWITCHING

PROGRAMMING

| START | DESCRIPTION | DATA |
|-------|---|---|
| CM1A | Assign a Data Station Number to the Primary Extension Number (assigned by CM10) of the Multiline Terminal equipped with a Data Adapter. | (1) Primary Extension No. (X-XXXX) (2) Data Station No. (X-XXXX) |
| | (INITIAL) | |
| CM20 | Specify the Data Station Number length. | <ul style="list-style-type: none"> • Y = 0-3 (Numbering Plan Group 0-3) (1) Leading one/two/three digits of Data Station No. (2) 801: Single Digit 802: 2 digits 803: 3 digits 804: 4 digits |
| CM90 | Assign the functions for data communication to Programmable Keys on the Multiline Terminal. | <ul style="list-style-type: none"> • YY = 00 (Programmable Key Assignment) (1) Primary Extension No. + [] + Key No. (2) F2000: DATA F2001: AUTO/DISP F2002: DTX F2003: DISP F2004: AUTO F2005: DATA DND |
| CMA0 | Assign the type of Data Adapter to the Data Station Number. | (1) Data Station No. (X-XXXX) (2) 02: SN1152 DTAM-A Data Adapter |
| A | | |

SYNCHRONOUS DATA SWITCHING

| | DESCRIPTION | DATA |
|--|--|--|
| <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">A</div> <div style="border: 1px solid black; width: 80px; height: 25px; margin: 5px auto; display: flex; align-items: center; justify-content: center;">CMA1</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 600px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">B</div> | <p>Set up detection of DTR signal from the Data Terminal.</p> <p>Select Automatic Answer.</p> <p>Determine Data Speed.</p> <p>Select transmission format of Synchronous or Asynchronous.</p> <p>Assign Half/Full Duplex.</p> | <ul style="list-style-type: none"> • YY = 00 <ol style="list-style-type: none"> (1) Data Station Number (2) 0 : Not to be detected 1◀ : To be detected • YY = 01 <ol style="list-style-type: none"> (1) Data Station Number (2) 0 : Automatic answer 1◀ : Manual answer • YY = 04 <ol style="list-style-type: none"> (1) Data Station Number (2) 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 • YY = 06 <ol style="list-style-type: none"> (1) Data Station Number (2) 0 : Synchronous transmission by internal clock (PBX clock) 1 : Synchronous transmission by external clock (PBX clock) 2 : Synchronous transmission by external clock (ST1 clock) 3 : Synchronous transmission by external clock (ST2 clock) 7◀ : Asynchronous transmission • YY = 07 <ol style="list-style-type: none"> (1) Data Station Number (2) 0 : Half-Duplex 1◀ : Full-Duplex |

TERMINAL ATTRIBUTE DATA ASSIGNMENT

PROGRAMMING

| <u>START</u> | DESCRIPTION | DATA |
|--------------|---|--|
| CM90 | Assign the function keys on the Multiline Terminal. | <ul style="list-style-type: none">• YY = 00(1) Primary Extension No. + [] + Key No.(2) F2000: [DATA]F2002: [DTX] |
| <u>END</u> | | |