# T A B L E   O F   C O N T E N T S

## PROGRAMMING SECTION

| PART | DESCRIPTION | PAGE |
|------|-------------|------|

# PART 1. INTRODUCTION TO PROGRAMMING

## 1.1 PROGRAMMING OVERVIEW

The DCS COMPACT system arrives from the factory with default data. Connect it to trunks, stations and power, turn the system on and it is fully operational. The only thing left to do is customize the data to fit the customer's needs. This is called programming the system.
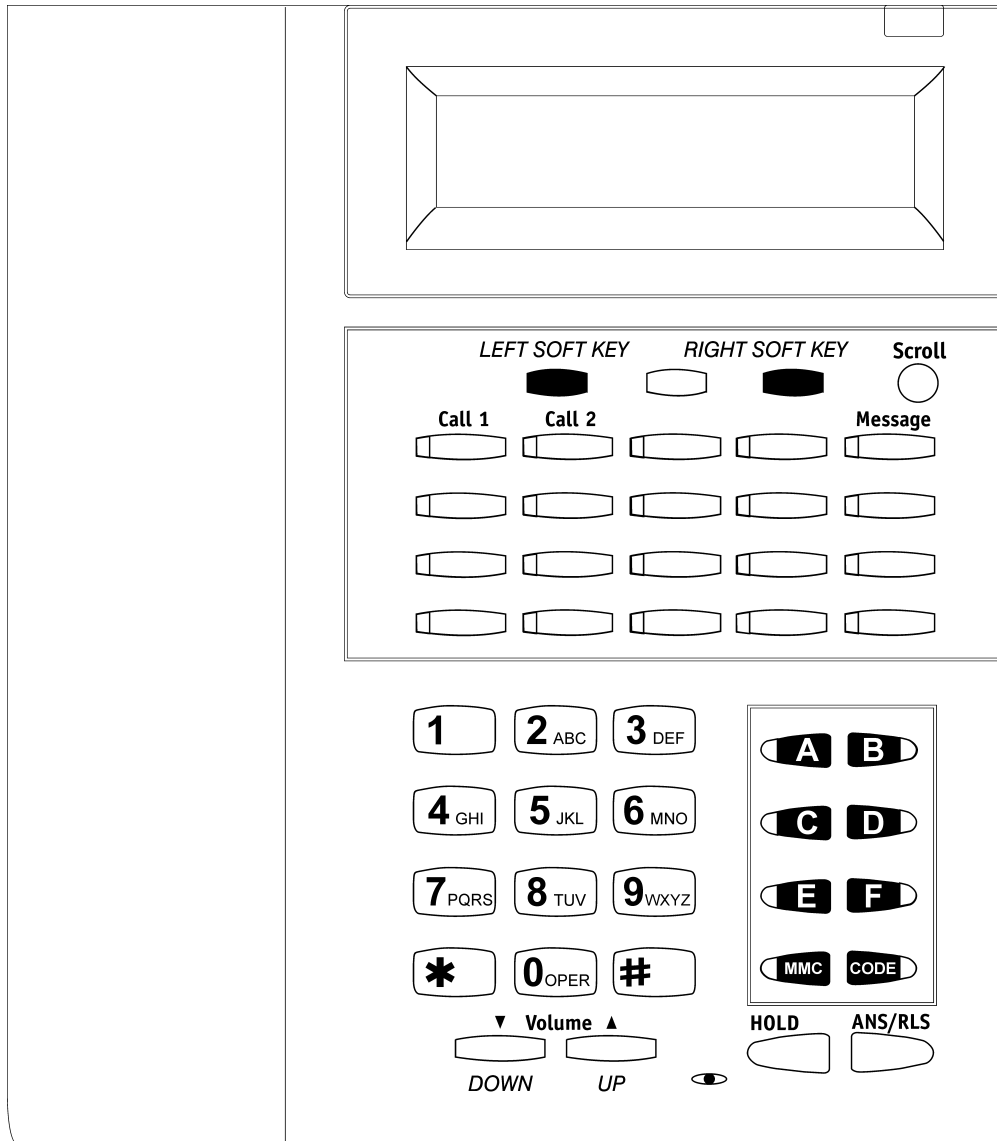
MMC stands for Man Machine Code and each program is assigned a different three digit code. These MMC codes are used to view, create or change customer data. Programming is simply deciding what needs to be done and knowing which MMC is used to do it. For example, use MMC 601 to create a station group. System speed dial numbers are entered in MMC 705 and soft keys are assigned to individual keysets using MMC 722.

System programming may be done from any display keyset. The first thing you must do is open system programming. As a security measure, a passcode must be known to do this.

## • iDCS KEYSETS

This section provides more detailed programming procedures that can be used by experienced display keyset users. These procedures will help explain some of the displays observed as the simpler procedures detailed in the *Keyset User Guide* are followed.

The diagram below illustrates the keys on **an iDCS 28D and an iDCS 18D keyset** that have special functions during programming. When required, these keys will be referred to by the names described below.

LEFT SOFT KEY       RIGHT SOFT KEY       Scroll

Call 1       Call 2                                  Message

1       2 ABC       3 DEF

4 GHI       5 JKL       6 MNO

7 PQRS       8 TUV       9 WXYZ

✱       0 OPER       #

A   B

C   D

E   F

MMC   CODE

▼ Volume ▲                    HOLD        ANS/RLS

DOWN       UP

1.1.2

The diagram below illustrates the keys on an **iDCS 8D keyset** that have special functions during programming. When required, these keys will be referred to by the names described below.
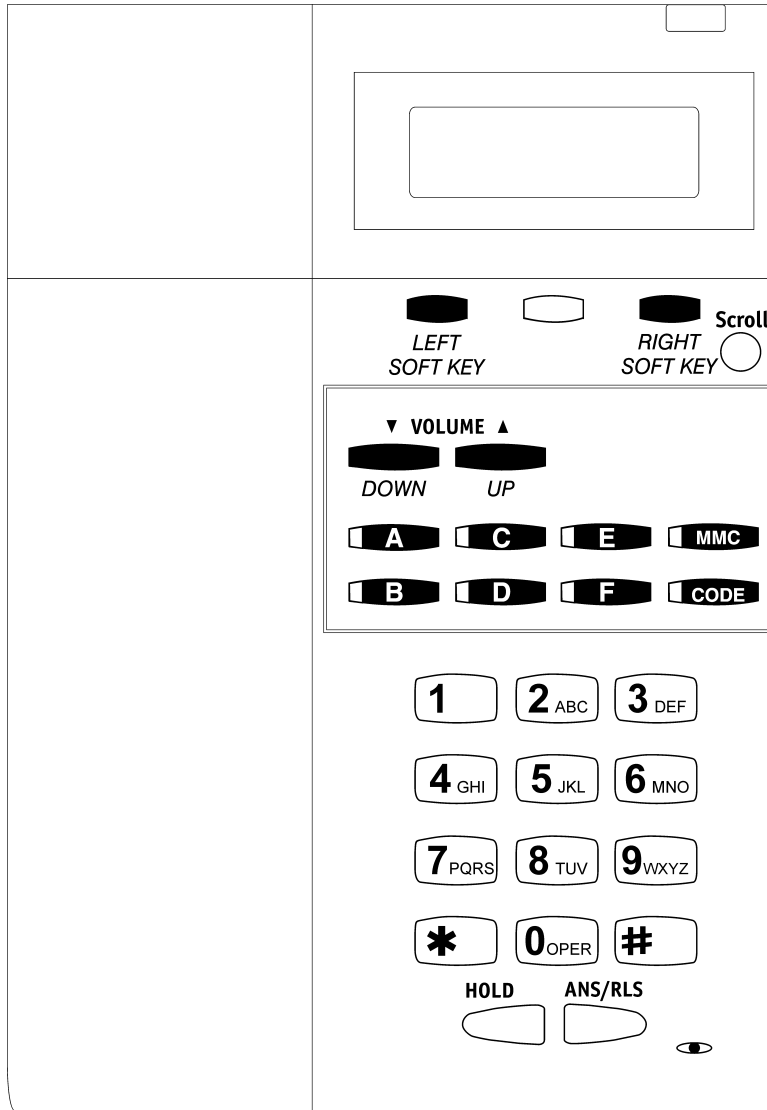
## • DCS KEYSETS

This section provides more detailed programming procedures that can be used by experienced display keyset users. These procedures will help explain some of the displays observed as the simpler procedures detailed in the *Keyset User Guide* are followed.
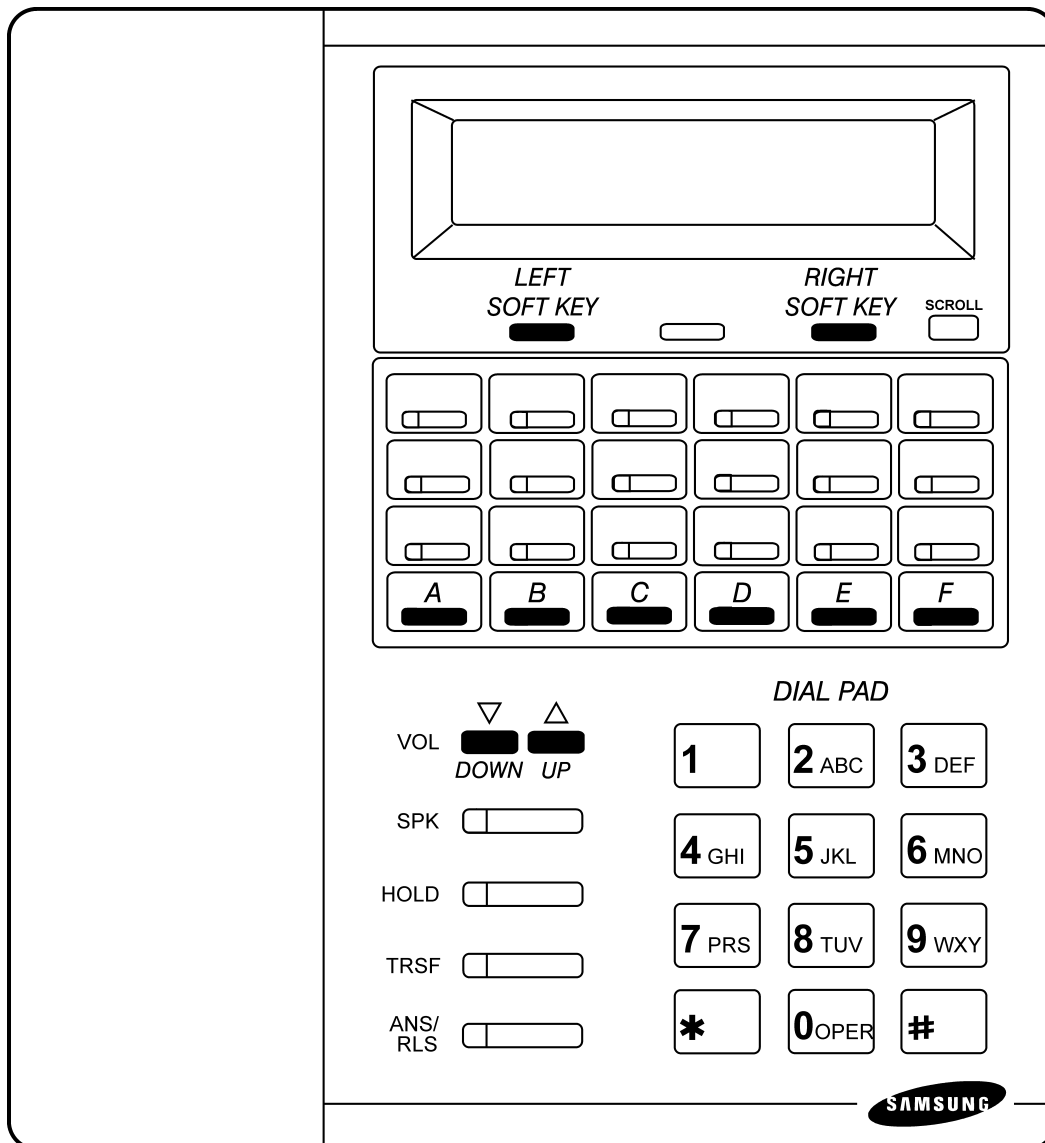
The diagram below illustrates the keys on a display keyset that have special functions during programming. When required, these keys will be referred to by the names described below.

# 1.2 PROGRAMMING LEVELS

There are three levels of programming: SYSTEM, CUSTOMER and STATION. System and customer levels are under passcode protection while station programming does not require a passcode.

To prevent conflicting data from being entered, only one person at a time can enter programming with the technician or customer passcode. While programming is in progress, normal system operation is not affected. For your convenience, the system displays [xxx IN PGM MODE] when another keyset is in the program mode.

## A. System level

This level is entered via MMC 800 and requires the technician level passcode. It allows access to all system programs, station programs and maintenance programs.

## B. Customer level

This level is entered via MMC 200 and requires the customer passcode. It allows access to station programs and system programs allowed by the technician in MMC 802. When using the customer passcode to access station programs, data for all stations can be viewed or changed.
NOTE: When the system is programmed for multiple tenant use, each tenant has an individual customer passcode enabled in MMC 201. The access for tenant passcode is limited to only certain MMCs. See MMC 201 for more details.

After opening programming with the customer passcode, you must press TRSF to exit. Now press TRSF and the MMC number you wish to access.

## C. Station level

All keysets can access station programs 102–117 without using a passcode. Each user can only change station data for his/her own keyset.

When the LCD 24B keyset is in programming, the display shows instructions, prompts and choices. Existing data is always displayed before it can be changed. The keystroke sequence for each MMC is detailed in the following pages.

Before you begin entering customer data, follow this important reminder.

---

**IMPORTANT REMINDER**

When first installing this system, always use MMC 811 to reset and clear memory. This will ensure that you begin with clean default data.

---

Now begin entering customer data.

# 1.3 PROGRAM LIST (V1.x)

# 1.4 PROGRAM LIST IN NUMERICAL ORDER (V2.x)

# 1.5 PROGRAM LIST IN ALPHABETICAL ORDER (V2.x)

# 1.6 MMC'S ASSOCIATED BY CATEGORY (V2.x)

## KEYSET USER OPTIONS

## SYSTEM LEVEL PROGRAMS

## STATION LEVEL PROGRAMS

## TRUNK LEVEL PROGRAMS

## TIMER OPTIONS

## GROUP / BLOCK / ZONE PROGRAMMING

## SYSTEM TABLES

## TECHNICIAN ONLY PROGRAMS

## LCR PROGRAMS

## CADENCE / SVMi-4

# PART 2. PROGRAMMING PROCEDURES

## 2.1 PROGRAM PROCEDURES

THE FOLLOWING INSTRUCTIONS FOR EACH MMC ASSUME THAT YOU HAVE ALREADY OPENED PROGRAMMING.

HELPFUL HINT:

When you are finished programming in MMCs 100–811 and have other programming to do, press SPK to exit the MMC but stay in the programming mode and use one of the following methods.

1.  Dial another MMC code directly and continue programming.

2.  Press VOLUME UP and DOWN keys to scroll through all MMC codes. When the desired MMC code is reached, press SPK and continue programming.

Pressing TRSF will always save changes and exit the programming mode.

# MMC: 100                    STATION LOCK

## DESCRIPTION:

Allows the system administrator or technician to lock or unlock an individual station or all stations simultaneously. The two options are as follows:

0          UNLOCKED          Unlocks a locked station

1          LOCKED            Locks an unlocked station

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION                                        DISPLAY

1.  Press TRSF 100
    Display shows

    ```
    [201] STN LOCK
    UNLOCKED
    ```

2.  Dial station number (e.g., 205)
            OR

    ```
    [205] STN LOCK
    UNLOCKED
    ```

    Use UP and DOWN to select station
    and use RIGHT soft key to move
    cursor
            OR
    Press ANS/RLS to select all stations

    ```
    [ALL] STN LOCK
    ??
    ```

3.  Enter 0 to unlock or 1 to lock (e.g., 1)
            OR

    ```
    [205] STN LOCK
    LOCKED
    ```

    Press UP or DOWN key to make
    selection and press RIGHT soft key
    to return to step 2

## MMC: 100

4.  Press TRSF to save and exit
        OR
    Press SPK to save and advance to next MMC


**DEFAULT DATA: ALL STATIONS UNLOCKED**

**RELATED ITEMS: <u>STATION USER PROGRAMMING</u>**

# MMC: 101          CHANGE USER PASSCODE

## DESCRIPTION:

Allows the system administrator or technician to reset any keyset's passcode to its default value of "1234." This MMC cannot display station passcodes; it can only reset them to default.

Keyset users can set or change their individual passcodes. The passcode is used to lock or unlock the keyset for toll restriction override and to access the DISA feature.

NOTE: Default passcodes cannot be used for toll restriction override or for DISA access.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

**DISPLAY**

1. Press TRSF 101
   Display shows

   ```
   [201]  PASSCODE
   PASSCODE:****
   ```

2. Dial keyset number (e.g., 205)
          OR
   Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor right

   ```
   [205] PASSCODE
   PASSCODE:****
   ```

3. Press HOLD to reset passcode

   ```
   [205] PASSCODE
   PASSCODE : 1234
   ```

4. Press TRSF to store and exit
          OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL STATION PASSCODES** = **1234**

**RELATED ITEMS: MMC 100 STATION LOCK**

# MMC: 102            CALL FORWARD

## DESCRIPTION:

Allows the system administrator to program the call forward destinations for other station users. The MMC also allows the call forward to be set after the destination has been entered.

The DCS COMPACT system allows five types of call forwarding: FORWARD ALL, FORWARD NO ANSWER, FORWARD BUSY, FORWARD FOLLOW ME and FORWARD EXTERNAL. There is an additional option, FORWARD BUSY/NO ANSWER, that allows both of these options to be activated at the same time, provided that destinations have been entered for both.

| | |
|---|---|
| 0 = FORWARD CANCEL | 4 = BUSY/NO ANSWER |
| 1 = ALL CALL | 5 = DND AUTO |
| 2 = BUSY | 6 = EXT |
| 3 = NO ANSWER | |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**　　　　　　　　　　　　　　**DISPLAY**

1. Press TRSF 102
   Display shows

   ```
   [201] FORWARD
   0:FORWARD CANCEL
   ```

2. Dial station number (e.g., 205)
   　　　　OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

   ```
   [205] FORWARD
   0:FORWARD CANCEL
   ```

3. Dial 0–5 to select forward type
   　　　　OR
   Press UP or DOWN to select forward type
   and press RIGHT soft key to move cursor

   ```
   [205] FORWARD
   1:ALL CALL:NONE
   ```

## MMC: 102

4.  Dial destination number (e.g., 201)
        OR
    Press UP or DOWN to select destination
    and press RIGHT soft key to move cursor

```
[205] FORWARD
1:ALL CALL:201
```

5.  Dial 1 for YES, 0 for NO
        OR
    Press UP or DOWN to select YES or
    NO and press RIGHT soft key to
    return to step 2

```
[205] FORWARD
CURENTLY SET :YES
```

6.  Press TRSF to store and exit
        OR
    Press SPK to store and advance
    to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS:**  **MMC 301 ASSIGN STATION COS**
                    **MMC 501 SYSTEM TIMERS**
                    **MMC 502 FORWARD NO ANSWER TIMER**
                    **MMC 701 ASSIGN COS CONTENTS**
                    **MMC 722 STATION KEY PROGRAMMING**
                    **MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 103                SET ANSWER MODE

## DESCRIPTION:

Allows a system administrator to change the answer mode of any keyset or add-on module. Each keyset or add-on module can have its answer mode set to one of the following options:

0. RING: The keyset will ring in one of eight custom ring patterns. Calls are answered by pressing the ANS/RLS key or by lifting the handset.

1. AUTO: After giving a short attention tone, the keyset will automatically answer calls on the speakerphone. When a C.O. line is transferred to a keyset in Auto Answer, the screened portion of the call will be Auto Answer, but the keyset or add-on module (AOM) will ring when the transfer is complete if the user has not pressed the ANS/RLS key or lifted the handset.

2.. VOICE: The keyset will not ring. After a short attention tone, callers can make an announcement but the ANS/RLS key or handset must be used to answer calls.

NOTE: As the Basic 12B keyset is not a speakerphone, if it is set for Auto Answer, it will operate as if it is in Voice Announce mode. The Basic 12B keyset user must use the handset to speak to the calling party.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**                                       **DISPLAY**

1. Press TRSF 103
   Display shows

   ```
   [201] ANS MODE
   RING MODE
   ```

2. Dial keyset number (e.g., 205)
         OR
   Press UP or DOWN to select keyset
   and press RIGHT soft key to move cursor
         OR
   Press ANS/RLS to select All

   ```
   [205] ANS MODE
   RING MODE
   ```

   ```
   [ALL] ANS MODE
   ?
   ```

## MMC: 103

3.  Dial 0, 1 or 2 to change ring mode
        OR
    Press UP or DOWN to select ring mode and
    press RIGHT soft key to return to step 2
    above

```
[205] ANS MODE
VOICE ANNOUNCE
```

4.  Press TRSF to store and exit
        OR
    Press SPK to store and advance
    to next MMC

**DEFAULT DATA:  ALL KEYSETS RING**
                **RING FREQUENCY DEFAULT IS 5**

**RELATED ITEMS:** **MMC 111 KEYSET RING TONE**

# MMC: 104         STATION NAME

## DESCRIPTION:

Allows the system administrator or technician to enter a character name to identify an individual station. There are ten characters for Version 1 software. There are 11 characters for Version 2 software.

Names are written using the keypad. Each key press selects a character. Pressing the dial pad key moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key will change the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right.

- ## DCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 104

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| A | Key 19; acts as toggle between upper case and lower case |

**ACTION**                                          **DISPLAY**

1. Press TRSF 104
   Display shows

   ```
   [2̲01]  STN NAME
   ```

2. Dial the station number (e.g., 205)
            OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

   ```
   [205]  STN NAME
   ̲
   ```

3. Enter the station name using the procedure
   described above
   Press the RIGHT soft key to return to step 2

   ```
   [205]  STN NAME
   SAM SMITH
   ```

**MMC: 104**

4.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS: "A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 105 STATION SPEED DIAL

## DESCRIPTION:

Allows the system administrator or technician to program the personal speed dial locations assigned to a station. This must be done for single line telephones because these stations cannot access programming. Each station may have up to 50 locations or bins assigned to it in MMC 606 Assign Speed Block. The speed dial bins are numbered 00–49. Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 18 digits to be dialed. These dialed digits may consist of 0–9, ✱ and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| B | Used to insert a flash code "F" |
| C | Used to insert a pause code "P" |
| D | Used to insert a pulse/tone conversion code "C" |
| E | Used to mask/unmask following digits (shows as "[" or "]") |
| F | Used to enter name for speed dial bin (see MMC 106) |

### ACTION

### DISPLAY

1. Press TRSF 105
   Display shows

   ```
   [201] SPEED DIAL
   00 :
   ```

2a. Dial station number (e.g. 205)
   OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor
   OR
   Press LEFT soft key to go to step 4

   ```
   [205] SPEED DIAL
   00 :
   ```

2b. If selected station has no speed dial
   bins, the display will be as shown and
   a new station may be selected

   ```
   [205] SPEED DIAL
   SPDBLK NOT EXIST
   ```

## MMC: 105

3.  Dial location number (e.g., 05)
        OR
    Press UP or DOWN to select location
    and press RIGHT soft key to move cursor
        OR
    Press LEFT soft key to return to step 2

```
[205] SPEED DIAL
05: _
```

4.  Enter trunk access code (e.g., 9)
    followed by the number to be dialed
    (e.g., 4264100)
        OR
    Press the RIGHT soft key to return to step 2
        OR
    Press the LEFT soft key to return to step 3

    Press HOLD button to clear an entry
    If an error is made, use DOWN arrow to step
    back

```
[205] SPEED DIAL
05 : 9-4264100_
```

5.  Press "F" button to access MMC 106 Station
    Speed Dial by Name
        OR
    Press TRSF to save and exit
        OR
    Press SPK to save and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS:**   **MMC 106 STATION SPEED DIAL NAME**
                     **MMC 606 ASSIGN SPEED BLOCK**

# MMC: 106     STATION SPEED DIAL NAME

## DESCRIPTION:

Allows a character name to be entered for each personal speed dial location. This name enables the speed dial number to be located when the directory dial feature is used. The directory dial feature allows the display keyset user to select a speed dial location by viewing its name. There are ten characters for Version 1 software. There are 11 characters for Version 2 software.

Names are written using the keypad. Each press of a key selects a character. Pressing the dial keypad moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key changes the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right.

- ## DCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

**MMC: 106**

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✶ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✶ | : | = | [ | ] | ✶ |

1.  When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2.  Other symbols are available for DIAL #.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| A | Key 19; acts as toggle between upper case and lower case |

### ACTION

### DISPLAY

1.  Press TRSF 106
    Display shows

    ```
    [201] SPEED NAME
    00:
    ```

2a. Dial station number (e.g., 205)
        OR

    ```
    [205] SPEED NAME
    00:
    ```

    Press UP or DOWN to select station
    and press RIGHT soft key to move cursor

    ```
    [305] SPEED NAME
    SPDBLK NOT EXIST
    ```

**MMC: 106**

2b.   Dial station number (e.g., 305)
OR
Press UP or DOWN to select station
speed blocks not assigned

3.   Dial speed dial location (e.g., 05)
OR
Use UP or DOWN to scroll through
location numbers and use the RIGHT
soft key to move the cursor
OR
Press the LEFT soft key to return to step 2

```
[205] SPEED NAME
01:_
```

4.   Enter the location name using the procedures
described above and press RIGHT soft key
to return to step 2
OR
Press LEFT soft key to return to step 3 to
continue entries

```
[205] SPEED NAME
01:SAM SMITH
```

5.   Press TRSF to store and exit
OR
Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 105 STATION SPEED DIAL**

## MMC: 107                                    KEY EXTENDER

## DESCRIPTION:

Use this program to view the programmable keys assigned to keyset station. In addition, it allows the system administrator to assign key extenders to some keys that will make a general access feature key more specific. The feature keys that can have extenders are listed below.

| FEATURE KEY | EXTENDER |
|---|---|
| BOSS | Boss and Secretary (1–4) |
| DIR | Directory dial by name type (1–3) |
| DP | Direct Pickup (extension or station group number) |
| DS | Direct Station Select (station number) |
| FWRD | Call Forward (0–5) |
| GPIK | Group Pickup (01–20) |
| MMP | Meet Me Page (0–9, ✶) |
| PAGE | Page (0–9, ✶) |
| SG | Station Group (500–529) |
| SPD | Speed Dial (00–49, 500–999) |
| PSM | Programmed Station Message (01–20) |

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

**DISPLAY**

1. Press TRSF 107
   Display shows first station

```
[2̲01] KEY EXTEND
01:CALL1  →
```

2. Dial station number (e.g., 205)
        OR
   Use UP or DOWN to scroll through station numbers and press RIGHT soft key to move the cursor

```
[2̲05] KEY EXTEND
01:CALL1  →
```

## MMC: 107

3.  Enter key number (e.g., 18)
       OR
    Use UP and DOWN to scroll through
    keys and use RIGHT soft key to
    move the cursor
       OR
    Press the key to be programmed
    Dial extender according to above table
    System will return to this step
    If no more entries, press LEFT soft
    key to return to step 2

```
[205] KEY EXTEND
18:DS  →
```

4.  Press TRSF to store and exit
       OR
    Press SPK to store and advance to next MMC

```
[205] KEY EXTEND
18:DS→207
```

**DEFAULT DATA: NONE**

**RELATED ITEMS:**  **MMC 720 COPY KEY PROGRAMMING**
                       **MMC 721 SAVE STATION KEY PROGRAMMING**
                       **MMC 722 STATION KEY PROGRAMMING**
                       **MMC 723 SYSTEM KEY PROGRAMMING**
                       **MMC 724 DIAL NUMBERING PLAN**

NOTE: When the RIGHT soft key will not move the cursor to the right, you are attempting to add an extender to a key that cannot have one.

# MMC: 108                STATION STATUS

## DESCRIPTION:

Displays the following attributes of a station port. This is a READ ONLY MMC.

| 0 | PORT | PORT, SLOT-CHANNEL, OFSET. |
|---|------|---------------------------|
| 1 | TENANT NUMBER | 1 |
| 2 | PICKUP GROUP | NONE, 01–30 |
| 3 | SGR | STATION GROUP NUMBER |
| 4 | BOSS-SECR | NONE, 1–4 |
| 5 | PAGE: | PAGE ZONE (1–4) |
| 6 | DAY COS NO | COS (01–30) |
| 7 | NIGHT COS NO | COS (01–30) |

**PROGRAM KEYS**

| UP & DOWN | Used to scroll through options |
|-----------|-------------------------------|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to advance to next MMC |

**ACTION**                                **DISPLAY**

1. Press TRSF 108
   Display shows first station

   ```
   [201] STN STATUS
   P07:S2-01 OFS:01
   ```

2. Dial station number (e.g., 205)
           OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

   ```
   [205] STN STATUS
   P15:S1-09 OFS:01
   ```

3. Dial 0–7 to select station status type
           OR
   Press UP or DOWN to select status and
   press RIGHT soft key to return to step 2

   ```
   [205] STN STATUS
   TENANT NUMBER:1
   ```

4. Press TRSF to exit
           OR
   Press SPK to advance to next MMC

## MMC: 108

**DEFAULT DATA:** **PORT NUMBER: ?**
**TENANT NUMBER: 1**
**PICKUP GROUP: NONE**
**STATION GROUP: NONE**
**BOSS/SECRETARY PAIRS: NONE**
**PAGE ZONE: NONE**
**DAY COS NUMBER: 01**
**NIGHT COS NUMBER: 01**

**RELATED ITEMS:** **MMC 301 ASSIGN STATION COS**
**MMC 302 PICKUP GROUPS**
**MMC 303 ASSIGN BOSS/SECRETARY**
**MMC 601 ASSIGN STATION GROUP**
**MMC 604 ASSIGN STATION TO PAGE ZONE**

# MMC: 109 CLOCK DISPLAY

## DESCRIPTION:

Allows the system administrator or technician to select the date and time display mode on a per-station basis or system-wide.

| 0 | COUNTRY | Sets overall display format and has two options |
| | | 0 = ORIENTAL    MM/DD  DAY         HH:MM |
| | | 1 = WESTERN     DAY DD MON        HH:MM |

| 1 | CLOCK | Sets format of clock display and has two options |
| | | 0 = 12 HOUR        Displays 1 P.M. as 01:00 |
| | | 1 = 24 HOUR        Displays 1 P.M. as 13:00 |

| 2 | DISPLAY | Sets format of DAY and MON display and has two options |
| | | 0 = UPPER CASE   Displays Friday as FRI and March as MAR |
| | | 1 = LOWER CASE  Displays Friday as Fri and March as Mar |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION                                              DISPLAY

1. Press TRSF 109
   Display shows

   ```
   [201] DAY FORMAT
   COUNTRY:WESTERN
   ```

2. Dial station number (e.g., 205)
           OR

   ```
   [205] DAY FORMAT
   COUNTRY:WESTERN
   ```

   Press UP or DOWN to select station and
   press RIGHT soft key to move cursor
           OR
   Press ANS/RLS for all keysets

   ```
   [ALL]DAY FORMAT
   COUNTRY:?
   ```

## MMC: 109

3. Dial 0–2 to select mode
   OR
   Use UP and DOWN to scroll through
   modes and press RIGHT soft key to
   move cursor

4. Use UP or DOWN to scroll through
   formats and press RIGHT soft key
   to return to step 2
   OR
   Press LEFT soft key to return to step 3

5. Press TRSF to store and exit
   OR
   Press SPK to store and advance to
   next MMC

```
[205] DAY FORMAT
COUNTRY:ORIENTAL
```

**DEFAULT DATA:  COUNTRY: WESTERN**
                **CLOCK: 12 HOUR CLOCK**
                **DISPLAY: LOWERCASE**

**RELATED ITEMS: MMC 505 ASSIGN DATE AND TIME**

## MMC: 110                    KEYSET ON/OFF

## DESCRIPTION:

Allows the system administrator to set any of the keyset features listed below.

1.   AME PSWD       If this option is set to YES, station users who have AME set must enter their station password to listen to messages being left.

2.   AUTO HOLD      Automatically places an existing C.O. call on hold if a CALL button, trunk key or trunk route key is pressed during that call.

3.   AUTO TIMER     Automatically starts the stopwatch timer during a C.O. call.

4.   HEADSET USE    When on, this feature disables the hook switch allowing a headset user to answer all calls by pressing the ANS/RLS button.

5.   HOT KEYPAD     When on, this feature allows the user to dial directory numbers without having to first lift the handset or press the SPK button.

6.   KEY TONE       Allows the user to hear a slight tone when pressing buttons on their set.

7.   PAGE REJOIN    Allows the user to hear the latter part of page announcements if his keyset becomes free during a page.

8.   RING PREF.     When off, requires the user to press the fast flashing button to answer a ringing call after lifting the handset.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## MMC: 110

**ACTION**                                          **DISPLAY**

1.  Press TRSF 110
    Display shows

    ```
    [201] STN ON/OFF
    AUTO HOLD   :OFF
    ```

2.  Dial keyset number (e.g., 205)
            OR
    Press UP or DOWN to select keyset and
    press RIGHT soft key to move cursor
            OR
    Press ANS/RLS for All

    ```
    [205] STN ON/OFF
    AUTO HOLD   :OFF
    ```

    ```
    [ALL] STN ON/OFF
    AUTO HOLD   :?
    ```

3.  Dial option number from above list
    (0–5, e.g., 3)
            OR
    Press UP or DOWN to select option and
    press RIGHT soft key to move cursor

    ```
    [205] STN ON/OFF
    AUTO HOLD   :OFF
    ```

    ```
    [205] STN ON/OFF
    HOT KEYPAD : ON
    ```

4.  Press UP or DOWN to select ON or OFF and
    press left or RIGHT soft key to return
    to step 3 above
            OR
    Dial 1 for ON or 0 for OFF

    ```
    [205] STN ON/OFF
    HOT KEYPAD :OFF
    ```

5.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

    Dial option number 0 from above list
    at step 3

    ```
    [205] STN ON/OFF
    AUTO HOLD   :OFF
    ```

    Dial option number 1 from above list
    at step 3

    ```
    [201] STN ON/OFF
    AUTO TIMER :ON
    ```

    Dial option number 2 from above list
    at step 3

    ```
    [205] STN ON/OFF
    HEADSET     :OFF
    ```

    Dial option number 3 from above list
    at step 3

    ```
    [205] STN ON/OFF
    HOT KEYPAD: ON
    ```

    Dial option number 4 from above list
    at step 3

    ```
    [205] STN ON/OFF
    KEY TONE    :ON
    ```

## MMC: 110

Dial option number 5 from above list
at step 3

```
[205] STN ON/OFF
PAGE REJOIN:ON
```

Dial option number 6 from above list
at step 3

```
[205] STN ON/OFF
RING PREF. :ON
```

**DEFAULT DATA:**   **AUTO HOLD OFF**
**AUTO TIMER ON**
**HEADSET OFF**
**HOT KEYPAD ON**
**KEY TONE ON**
**PAGE REJOIN ON**
**RING PREFERENCE ON**

**RELATED ITEMS:**   **MMC 301 ASSIGN STATION COS**
**MMC 701 ASSIGN COS CONTENTS**
**CADENCE AME FEATURE**

# MMC: 111       KEYSET RING TONE

## DESCRIPTION:

Allows the system administrator or technician to select the ring tone heard at each keyset. There are eight ring tones available at each keyset. A short tone burst of the selection will be heard when the dial key pad is pressed.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**                                             **DISPLAY**

1. Press TRSF 111
   Display shows

   ```
   [201] RING TONE
   FREQUENCY 6
   ```

2. Dial keyset number (e.g., 205)

   ```
   [205] RING TONE
   FREQUENCY 6
   ```

       OR                        OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

   ```
   [ALL] RING TONE
   FREQUENCY ?
   ```

       OR
   Press ANS/RLS to select All

3. Dial 1–8 to select ring tone

   ```
   [205] RING TONE
   FREQUENCY 5
   ```

       OR                        OR
   Press UP or DOWN to select ring tone and
   press RIGHT soft key to move cursor and
   return to step 2

   ```
   [ALL] RING TONE
   FREQUENCY 5
   ```

4. Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: FREQUENCY 5**

**RELATED ITEMS: MMC 114 OFF-HOOK RING VOLUME**

## MMC: 112                    ALARM REMINDER

## DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This must be done for single line telephones as they cannot access programming. Three alarms may be set for each station and each alarm may be defined as a TODAY alarm (one-time) or as a DAILY alarm as described below. The TODAY alarm is automatically canceled after it rings while the DAILY alarm rings every day at the same time. Alarm numbers are 0, 1 and 2.

| Entry | Alarm Type |
|-------|-----------|
| DIAL 0 | NOTSET |
| DIAL 1 | TODAY |
| DIAL 2 | DAILY |

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                    **DISPLAY**

1. Press TRSF 112
   Display shows

   ```
   [201]ALM CLK(1)
   HHMM:  →NOTSET
   ```

2. Dial station number (e.g., 205)
           OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

   ```
   [205]ALM CLK(1)
   HHMM:  →NOTSET
   ```

3. Dial 1–3 to select alarm (e.g., 2)
           OR
   Press UP or DOWN to select alarm and
   press RIGHT soft key to move cursor
           OR
   Press LEFT soft key to return to step 2

   ```
   [201]ALM CLK(1)
   HHMM:  →NOTSET
   ```

## MMC: 112

4.  Enter alarm time in 24 hour clock format, e.g., 1300
    Display will automatically advance to step 5

```
[205]ALM   CLK (2)
HHMM:1300→NOTSET
```

5.  Dial valid entry from above list for alarm type
            OR
    Press UP or DOWN to select alarm type
    and press RIGHT soft key to move cursor
    and return to step 2

```
[205] ALM    CLK
HHMM:1300→DAILY
```

6.  Press TRSF to store and exit
            OR
    Press SPK to save and advance to next
    MMC

**DEFAULT DATA: ALARMS SET TO NOTSET**

**RELATED ITEMS: NONE**

## MMC: 113          VIEW MEMO NUMBER

## DESCRIPTION:

Allows a station user the ability to view a memo that the user has left. A memo can be left by entering a memo via the dial keypad using the table below. MMC 112 Alarm Reminder can be programmed to remind you to read the memo. A memo of up and including fourteen characters can be entered. Using the dial keypad, press "6" twice to enter the letter "N," and press "3" two times for an "e." Pressing the "A" key will change the letters from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✶ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✶ | : | = | [ | ] | ✶ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

- **iDCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |

## MMC: 113

| DIAL 5 | J | K | L | % | 5 |
|--------|---|---|---|---|---|
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✻ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✻ | : | = | [ | ] | ✻ |

1.  When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2.  Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                          **DISPLAY**

1.  Press TRSF 113
    Display shows

    ```
    [201] VIEW MEMO
    1:
    ```

2.  Press RIGHT soft key to move cursor and
    add memo via dial key pad with above list
    Press RIGHT soft key to return to step 2

    ```
    [201] VIEW MEMO
    1:NEED BREAD
    ```

3.  Press TRSF to store and exit
          OR
    Press SPK to save and advance to next
    MMC

**DEFAULT DATA: NO MEMOS ENTERED**

**RELATED ITEMS: "A" BUTTON IS BUTTON #19 ON KEYSET**

## MMC: 114          OFF-HOOK RING VOLUME

## DESCRIPTION:

Allows the system administrator to set the off-hook ring volume for any or all keysets.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 114
   Display shows

   ```
   [201] OFFRNG VOL
   RING VOLUME 4
   ```

2. Dial station number (e.g., 205)
         OR
   Press UP or DOWN to select station and
   press RIGHT soft key to move cursor
         OR
   Press ANS/RLS for All

   ```
   [205] OFFRNG VOL
   RING VOLUME 4
   ```

   ```
   [ALL] OFFRNG VOL
   RING VOLUME 4
   ```

3. Press UP or DOWN to select ring level or
   dial level of volume 1–8 on dial keypad
   Press RIGHT soft key to return to step 2

   ```
   [205] OFFRNG VOL
   RING VOLUME 3
   ```

4. Press TRSF to store and exit
         OR
   Press SPK to store and advance to
   next MMC

**DEFAULT DATA: RING LEVEL 4**

**RELATED ITEMS: MMC 111 KEYSET RING TONE**

## MMC: 115   SET PROGRAMMED MESSAGE

## DESCRIPTION:

Allows the system administrator to set a programmed message at any or all keysets. There are 20 messages available. Ten are pre-programmed and ten can be customized in MMC 715 Programmed Station Message. Programmed station messages are numbered 01–20.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 115
   Display shows

   ```
   [201] PGMMSG(00)
   CANCEL PGM MSG
   ```

2. Dial station number (e.g., 205)
           OR
   Press UP or DOWN to select station and
   press RIGHT soft key to move cursor
           OR
   Press ANS/RLS to select All

   ```
   [205] PGMMSG(00)
   CANCEL PGM MSG
   ```

   ```
   [ALL] PGMMSG(??)
   ```

3. Dial 01–20 to select message number,
   e.g., 05
           OR
   Press UP or DOWN to select message
   Press RIGHT soft key to return to step 2

   ```
   [205] PGMMSG(05)
   PAGE ME
   ```

4. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NO MESSAGES SELECTED**

**RELATED ITEMS:   MMC 715 PROGRAMMED MESSAGE**
**                 MMC 722 STATION KEY PROGRAMMING**
**                 MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 116                ALARM AND MESSAGE

## DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This must be done for single line telephones because they cannot access programming. Three alarms may be set for each station. Each alarm may be defined as a TODAY alarm (one-time) or as a DAILY alarm as described below. The TODAY alarm is automatically canceled after it rings while the DAILY alarm rings every day at the same time. It is also possible to set a message to display when the alarm is sounded. Alarm numbers are 0, 1 and 2.

| Entry | Alarm Type |
|-------|------------|
| DIAL 0 | NOTSET |
| DIAL 1 | TODAY |
| DIAL 2 | DAILY |

Messages are written using the keypad. Each press of a key will select a character. Pressing the dial pad key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the "A" key will change the letter from upper case to lower case.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 116

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| A | Key 19; acts as toggle between upper case and lower case |

## ACTION                                           DISPLAY

1. Press TRSF 116
   Display shows

   ```
   [201] ALM REM(1)
   HHMM:  →NOTSET
   ```

2. Dial station number (e.g., 205)
   OR

   ```
   [205] ALM REM(1)
   HHMM:  →NOTSET
   ```

   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor
   OR
   Press ANS/RLS to select all stations

   ```
   [ALL] ALM REM(1)
   HHMM:  →NOTSET
   ```

3. Dial 1–3 to select alarm (e.g., 2)
   OR

   ```
   [201] ALM REM(1)
   HHMM:  →NOTSET
   ```

### MMC: 116

Press UP or DOWN to select alarm and
press RIGHT soft key to move cursor
         OR
Press LEFT soft key to return to step 2

4.  Enter alarm time in 24 hour clock format
    (e.g., 1300)
    Display automatically advances to step 5

```
[205] ALM REM (2)
HHMM:1300→NOTSET
```

5.  Dial valid entry from above list for alarm type
            OR
    Press UP or DOWN to select alarm type
    and press RIGHT soft key to move cursor

```
[205] ALM REM
HHMM:1300→DAILY
```

6.  Enter message using above table
    Press RIGHT soft key to return to step 2

```
[205] ALM REM
Sam SMITH
```

7.  Press TRSF to store and exit
            OR
    Press SPK to save and advance to  next MMC


**DEFAULT DATA: ALARMS SET TO NOTSET**


**RELATED ITEMS: NONE**

# MMC: 117   ASSIGN BACKGROUND MUSIC VOLUME

## DESCRIPTION:

Allows station users the ability to assign volume levels for their individual background music. This MMC will not change the level for the speakerphone. Background music will return to the level set by the user when the call is completed. This level can also be set system-wide by the system administrator.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION                                         DISPLAY

1. Press TRSF 117
   Display shows

   ```
   [2̲01] BGM VOLUME
   VOLUME 13
   ```

2. Enter desired station number (e.g., 205)
           OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key
           OR
   Press ANS/RLS key to select all stations

   ```
   [ALL] BGM VOLUME
   VOLUME ?̲?
   ```

3. Enter valid volume level (1–16) and press
   RIGHT soft key to return to step 2

   ```
   [ALL] BGM VOLUME
   VOLUME 0̲6
   ```

4. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: VOLUME LEVEL 13**

**RELATED ITEMS: SEE WARNING FOR CONNECTION TO RADIO OR MUSIC SOURCE**

# MMC: 118          STATION RING VOLUME

## DESCRIPTION:

This MMC will allow the station user the ability to assign a level for his/her station ringer volume.  This level can also be set system-wide by the system administrator. There are eight levels of volume; level 1 is the lowest and level 8 is the highest.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**                                    **DISPLAY**

1. Press TRSF 118
   Display shows

   ```
   [201] RING VOL.
   RING VOLUME 1
   ```

2. Dial station number (e.g., 205)
            OR
   Use UP and DOWN to select station
   and use RIGHT soft key to move cursor
            OR
   Press ANS/RLS to select all stations

   ```
   [205] RING VOL.
   RING VOLUME 1
   ```

   ```
   [ALL] RING VOL.
   RING VOLUME ?
   ```

3. Enter value 1–8 (e.g., 5)
            OR
   Press UP or DOWN key to make selection
   Press RIGHT soft key to return to step 2
   Note that a short ring burst of value selected
   is heard

   ```
   [205] RING VOL.
   RING VOLUME 5
   ```

4. Press TRSF to save and exit
            OR
   Press SPK to save and advance to next MMC

**DEFAULT DATA: ALL STATIONS SET TO LEVEL 4**

**RELATED ITEMS: STATION USER PROGRAMMING**

# MMC: 119                    CALLER ID DISPLAY

## DESCRIPTION:

NOTE: This MMC only applies to systems with Caller ID software.

Allows the technician to change the order in which the Caller ID information will be displayed on an LCD set. Caller ID display options are the following:

| | |
|---|---|
| 0. NO DISPLAY | No Caller ID data will be displayed. |
| 1. NUMBER FIRST | The Caller ID number received from the Central Office will be displayed first. |
| 2. NAME FIRST | The Caller ID name received from the Central Office will be displayed first. |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SPEAKER | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 119
   Display shows first station
   Current display mode

```
[201] CID DISPLAY
NUMBER   FIRST
```

2. Enter station number (e.g., 205)
          OR
   Press UP or DOWN to scroll through
   stations and press the RIGHT soft key
   to select a station
          OR
   Press ANS/RLS to select ALL

```
[205] CID DISPLAY
NUMBER   FIRST
```

3. Dial display option 0, 1 or 2 (e.g., 2)
          OR
   Press UP or DOWN to select option
   and press RIGHT or LEFT soft key to
   return to step 2

```
[205] CID DISPLAY
NAME FIRST
```

## MMC: 119

4.  Press TRSF to store and exit
                  OR
    Press SPK to save and advance to next MMC


**DEFAULT DATA: NUMBER FIRST**

**RELATED ITEMS: NONE**

# MMC: 200     OPEN CUSTOMER PROGRAMMING

## DESCRIPTION:

Used to open and close customer level programming. If programming is not opened and an attempt is made to access a system MMC, the error message [NOT PERMIT] will be displayed. A four digit passcode is required to access this MMC. Each digit can be 0–9. When opened, this MMC enables access to all MMCs allowed in MMC 802 Customer Access MMC Number.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Select open or closed |
| KEYPAD | Used to enter passcode |
| SPK | Save data and advance to next MMC |
| TRSF | Exit programming |

**ACTION**                                              **DISPLAY**

1.  Press TRSF 200
    Display shows

    ```
    ENABLE CUS.PROG.
    PASSCODE:
    ```

2.  Enter passcode

    ```
    ENABLE CUS.PROG.
    PASSCODE:
    ```

    Correct code shows

    ```
    ENABLE CUS.PROG.
    DISABLE
    ```

    Incorrect code shows

    ```
    ENABLE CUS.PROG.
    PASSWORD ERROR
    ```

3.  Press UP or DOWN arrow key to select
    ENABLE or DISABLE
    Press RIGHT soft key
          OR
    Dial 1 for ENABLE or dial 0 for DISABLE

    ```
    ENABLE CUS.PROG.
    ENABLE
    ```

4.  Press SPK to advance to MMC entry level
    and press UP or DOWN key to select MMC
          OR
    Enter MMC number and press RIGHT soft
    key to enter MMC

**MMC: 200**

5.  To log out, press TRSF key


**DEFAULT DATA: CLOSED**

**RELATED ITEMS:**   MMC 201 CHANGE CUSTOMER PASSCODE
MMC 501 SYSTEM-WIDE TIMERS
MMC 802 CUSTOMER ACCESS MMC NUMBER

# MMC: 201 CHANGE CUSTOMER PASSCODE

## DESCRIPTION:

Used to change the passcode allowing access to MMC 200 Open Customer Programming from its current value.

NOTE: The passcode is four digits long. Each digit can be 0–9. The current (old) passcode is required for this MMC.

**PROGRAM KEYS**

| | |
|---|---|
| KEYPAD | Used to enter passcodes |
| SPK | Save data and advance to next MMC |

**ACTION**                                    **DISPLAY**

1.  Press TRSF 201

```
CUST. PASSCODE
NEW CODE:_
```

2.  Enter new passcode via keypad (maximum four digits)

```
CUST. PASSCODE
NEW CODE:****
```

3.  Verify new passcode via keypad

```
CUST. PASSCODE
VERIFY  :****
```

PASSCODE verified
    OR

```
CUST. PASSCODE
VERIFY  :SUCCESS
```

PASSCODE failure
Return to step 2

```
CUST. PASSCODE
VERIFY  :FAILURE
```

4.  Press TRSF to store and exit
    OR
Press SPK to save and advance to next MMC

**DEFAULT DATA: PASSCODE = 1234**

**RELATED ITEMS: MMC 200 OPEN CUSTOMER PROGRAMMING**

# MMC: 202   CHANGE FEATURE PASSCODES

## DESCRIPTION:

Used to change the passcodes for several features. These features are: DAY/NIGHT and DISA ALARM as listed below:

DAY/NIGHT        This passcode is used to change the system mode .

DISA ALARM       This passcode is used to clear the DISA alarm

NOTE: The passcode is four digits long. Each digit can be 0–9. The current (old) passcode is required for this MMC.

## PROGRAM KEYS

| | |
|---|---|
| KEYPAD | Used to enter passcodes |
| SPK | Save data and advance to next MMC |

**ACTION**                                          **DISPLAY**

1.   Press TRSF 202
     Display shows

```
CHANGE PASSCODE
DAY/NIGHT :0000
```

2.   Press UP or DOWN key to make selection
     Press RIGHT soft key to move cursor to
     passcode entry

```
CHANGE PASSCODE
DISA ALARM :5678
```

3.   Enter new passcode via the
     dial key pad
     Press RIGHT soft key to return to step 2
     Continue to change other passcodes

```
CHANGE PASSCODE
DISA ALARM :9999
```

4.   Press TRSF to store and exit
            OR
     Press SPK to store and advance to
     next MMC

**DEFAULT DATA:  DAY/NIGHT 0000**
**                DISA ALARM 5678**

**RELATED ITEMS:  MMC 410 ASSIGN DISA TRUNK**
**                 MMC 507 ASSIGN AUTO NIGHT TIME**

# MMC: 203                    ASSIGN UA DEVICE

## DESCRIPTION:

Assigns ringing device to be accessed when a Universal Answer (UA) key is pressed or the UA pickup code is dialed. To assign UA, assignment is made in MMC 601 Assign Station Group for a group; then the group is entered here. The UA device may be one of the two device types listed below. The device type is automatically determined by the directory number (DN) entered.

| DIRECTORY NUMBER | DEVICE TYPE | DESCRIPTION |
|---|---|---|
| 201–222 | STATION | The UA device is a keyset or SLT. |
| 301–317 | | |
| 361–362 | ROP | Ring over page. |
| 500–529 | STATION GROUP | The UA device is a station group. |

NOTE: Only one of the above options can be selected. If the ability to ring more than one item (e.g., all four external page zones) is required, a station group containing all four zone codes must be created.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter DN of selected device |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### ACTION                                    DISPLAY

1.  Press TRSF 203
    Display shows current assignment

    ```
    ASSIGN UA
    NONE-NO UA
    ```

2.  Dial DN of UA device (e.g., 205)
            OR
    Use UP and DOWN keys to scroll through
    available devices
    Press RIGHT soft key to return to this step

    ```
    ASSIGN UA
    205 -STATION
    ```

**MMC: 203**

3.  Press TRSF to store and exit
          OR
    Press SPK to save and advance to next
    MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS:**  **MMC 204 COMMON BELL CONTROL**
                    **MMC 601 ASSIGN STATION GROUP**
                    **MMC 605 ASSIGN EXTERNAL PAGE ZONE**

## MMC: 204     COMMON BELL CONTROL

## DESCRIPTION:

Determines whether the common bell relay contacts have an interrupted or continuous closure when activated. If interrupted is chosen, the relay follows an internal C.O. ring pattern of one second closed followed by three seconds open. As default, all common bell relay pairs are assigned as 381 or 382.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor |
| SPK | Used to store data and advance to next MMC |

**ACTION**

**DISPLAY**

1. Press TRSF 204
   Display shows current setting

   ```
   [381]COM. BELL
   CONTINUOUS
   ```

2. Dial common bell number
       OR
   Press UP or DOWN key to make selection of common bell numbers and press RIGHT soft key to advance cursor

   ```
   [382]COM. BELL
   CONTINUOUS
   ```

3. Dial 0 for continuous or 1 for interrupted operation
       OR
   Use UP or DOWN to scroll through options
   Press RIGHT soft key to return to step 2

   ```
   [382]COM. BELL
   INTERRUPTED
   ```

4. Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: CONTINUOUS**

**RELATED ITEMS:**   MMC 203 ASSIGN UA DEVICE
                      MMC 601 ASSIGN STATION GROUP

# MMC: 206       BARGE-IN TYPE

## DESCRIPTION:

Sets the type of barge-in that is permitted.

| OPTION | TYPE OF BARGE IN | DESCRIPTION |
|---|---|---|
| 0 | NO BARGE-IN | Barge-in feature is unavailable regardless of a station's barge-in status. |
| 1 | BARGE-IN WITH TONE | Barge-in will have an intrusion tone and display at the barged-in on station. |
| 2 | BARGE-IN WITHOUT TONE | Barge-in is allowed. There is no barge-in tone or display at the barged-in on station and the barging-in station will be muted. |

## PROGRAM KEYS

| UP & DOWN | Used to scroll through options |
|---|---|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

## ACTION

## DISPLAY

1. Press TRSF 206
   Display shows

```
BARGE IN TYPE
NO BARGE IN
```

2. Dial 0–2 to select barge-in type (e.g., 2)
         OR
   Press UP or DOWN to select barge-in type
   and press RIGHT soft key

```
BARGE IN TYPE
WITHOUT TONE
```

3. Press TRSF to store and exit
         OR
   Press SPK to save and advance to next
   MMC

**DEFAULT DATA: NO BARGE -IN**

**RELATED ITEMS:  MMC 301 ASSIGN STATION COS
                  MMC 701 ASSIGN COS CONTENTS**

# MMC: 207      ASSIGN VM/AA PORT

## DESCRIPTION:

Allows technician to change a "NORMAL" SLI ports to a VMAA port. VMAA ports will receive inband signalling digits designated in MMC 726 (VM/AA Options) and will also receive a true disconnect signal upon completion of a call. Only SLI boards, not KDb-SLI, support disconnect signal. Do not set VMAA ports as "data ring" (MMC 208). This will delete inband signalling for voice mail integration. VMAA ports have the equivalent of data secure written in the program and are always protected against tones.

**NOTE:** This MMC is not used to assign SVMi-4 voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the COMPACT detects a SVMi-4 card.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION

1. Press TRSF 207
   Display shows

2. Dial station number (e.g., 205)
       OR
   Press UP or DOWN to select station
   and press RIGHT soft key to move cursor

3. Dial 1 or 0 to select port type (1 = VMAA and 0 = NORMAL) OR
   Press UP or DOWN to select option
   Press RIGHT soft key

## DISPLAY

```
[209] VMAA PORT
NORMAL PORT
```

```
[205] VMAA PORT
NORMAL PORT
```

```
[209] VMAA PORT
VMAA PORT
```

**MMC: 207**

4.  Press TRSF to store and exit
         OR
     Press SPK to store and advance to next MMC

**DEFAULT DATA: NORMAL PORT**

**RELATED ITEMS: MMC 726 VM/AA OPTIONS**
                          **SVMi-4 CARD**

## MMC: 208                        ASSIGN RING TYPE

# DESCRIPTION:

Provides the flexibility to program single lines to have ICM ringing, C.O. ringing and data secure. With the many types of external ringing devices, all configurations can be met. Only SLI boards, not key daughterboards, support disconnect signal.  Do not make VMAA ports data ring; this will return them to a single line port and stop voice mail integration.

## OPTIONS

| | | |
|---|---|---|
| 0 | ICM RING | This is the default option. When set to this option stations will ring on intercom calls with the intercom ring pattern of 400mS on, 200mS off, 400mS on and 3S off. The stations will NOT receive a disconnect signal. |
| 1 | CO RING | When set to this option stations will ring on intercom calls with the CO pattern of 1S on, and 3S off. The stations will NOT receive a disconnect signal |
| 2 | DATA RING | When set to this option stations will ring on intercom calls with the CO pattern of 1S on, and 3S off. The stations will receive a disconnect signal and are protected against intrusion tones |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION                                    DISPLAY

1. Press TRSF 208
   Display shows

   ```
   [209] RING TYPE
   ICM RING
   ```

2. Dial station number (e.g., 205)
          OR
   Press UP or DOWN to select station and
   press right soft key to move cursor

   ```
   [205] RING TYPE
   ICM RING
   ```

## MMC: 208

3.  Dial 0, 1 or 2 to select port type
       OR
   Press UP or DOWN to select option
   Press LEFT or RIGHT soft key to return to step 2

```
[205]RING TYPE
DATA RING
```

4.  Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: ICM RING**

**RELATED ITEMS: MMC 207 ASSIGN VMAA PORTS**

# MMC: 209          ASSIGN ADD-ON MODULE

## DESCRIPTION:

Designates to which station an add-on module (AOM) is assigned and assigns off-hook voice announce (OHVA) to an AOM. OHVAED allows off-hook voice announce.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| RELEASE | Used to store data and advance to next MMC |
| HOLD | Clears previous entry |

**ACTION**                                    **DISPLAY**

1.  Press TRSF 209
    Display shows first AOM

    ```
    [301] AOM MASTER
    MASTER:NONE
    ```

2.  Dial AOM number
            OR
    Use UP or DOWN to scroll through AOM
    numbers and use soft keys to move cursor

    ```
    [301] AOM MASTER
    MASTER:NONE
    ```

3a. Enter station number, e.g., 301
            OR
    Use UP or DOWN for selection of stations
            AND

    ```
    [301] AOM MASTER
    MASTER:201
    ```

3b. Enter 1 for OHVAED: ON or 0 for OFF
            OR
    Use UP or DOWN to scroll through ON/OFF
    options
    Press RIGHT soft key to return to step 2

    ```
    [301] AOM MASTER
    OHVAED:ON
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to save and advance to next MMC

**DEFAULT DATA:  NONE FOR MASTER**
                **OFF FOR OHVAED**

**RELATED ITEMS: NONE**

# MMC: 210          CUSTOMER ON/OFF PER TENANT

## DESCRIPTION:

Allows the LCR, TRANSFER MOH, CID CODE INSERT features to be enabled on a per-tenant basis.

LCR ENABLE:          This option determines weather the system will or will not route outgoing calls based on the information in the LCR routing tables contained in MMC's 710, 711, 712 and 713. LCR access code must be assigned in Dial Numbering Plan (MMC 724).  System default is NO.

TRANSFER MOH:        When this option is turned ON outside parties will hear trunk MOH instead of ring back tone from the time a transfer is completed until the call is answered by an internal party. System default is NONE.

CID CODE INSERT      When this option is ON the system will insert the digit "1" when receiving CID information. When OFF the digit "1" will not be inserted in the CID information. This option is tenant wide.  In certain areas the central offices are using a 10 digit numbering plan for calls. This feature can reduce the number of LCR digit table inputs in those areas that use the CID display callback feature. System default is ON.

## PROGRAM KEYS

UP & DOWN          Used to scroll through options
KEYPAD             Used to enter selections
SOFT KEYS          Move cursor left and right
SPK                Used to store data and advance to next MMC

## ACTION                                    DISPLAY

1.  Press TRSF 210
    Display shows

```
TEN. ON AND OFF
LCR ENABLE :OFF
```

2.  Press RIGHT soft key to move cursor

```
TEN. ON AND OFF
LCR ENABLE :OFF
```

## MMC: 210

3.  Dial 1 for ON or 0 for OFF
         OR
    Press UP or DOWN to make selection and
    press RIGHT soft key

```
TEN. ON AND OFF
LCR ENABLE :ON
```

4.  Press TRSF to store and exit
         OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: LCR IS OFF**

**RELATED ITEMS:**   **LCR PROGRAMMING**
                     **CID PROGRAMMING**
                     **MOH PROGRAMMING**

# MMC: 211                DOOR RING ASSIGNMENT

## DESCRIPTION:

Designates which devices will ring when a door box button is pressed and which ring mode the devices will follow. There are two types of device that can ring; these are listed below with their default directory numbers.

| DEVICE | DEFAULT DIRECTORY NUMBERS |
|---|---|
| Station | 201–222, 301–316 |
| Station group | 500–529 |

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Clears previous entry |
| ANS/RLS | Used to select ALL |

### ACTION                                    DISPLAY

1.  Press TRSF 211
    Display shows first door phone

    ```
    [202]  DOOR RING
    D:500      N:500
    ```

2.  Dial door phone number (e.g., 230)
            OR
    Press UP or DOWN to scroll through door phones
    Use RIGHT soft key to move cursor
            OR
    Press ANS/RLS to select all door ring

    ```
    [222]  DOOR RING
    D:500      N:500
    ```

    ```
    [ALL]  DOOR RING
    D:500      N:500
    ```

3.  Enter new DAY/NIGHT selection via dial keypad
            OR
    Press UP or DOWN key to make selection and press RIGHT soft key

    ```
    [202]  DOOR RING
    D:301      N:500
    ```

## MMC: 211

4.   Press RIGHT soft key to return to step 2 above
                    OR
      Press LEFT soft key to return to step 3 above
                    OR
      Press TRSF to store and exit
                    OR
      Press SPK to store and advance to next MMC


**DEFAULT DATA: STATION GROUP 500**

**RELATED ITEMS: NONE**

# MMC: 214   DISA ALARM RINGING STATION

## DESCRIPTION:

Assigns the DISA alarm to ring at a specific phone. It is recommended that the person who can clear the alarm receive the notification. There can be two distinct stations for notification. Both a day and a night station can be selected. A valid destination can be either a station group (500–529) or an individual station (201–222, 301–316).

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

**DISPLAY**

1. Press TRSF 214
   Display shows

```
DISA ALARM RING
D:500      N:500
```

2. Enter valid day destination number (e.g., 217)
        OR
   Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor

```
DISA ALARM RING
D:217      N:500
```

3. Enter valid night destination number (e.g., 249)
        OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2

```
DISA ALARM RING
D:217      N:249
```

4. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA:  DAY 500**
                        **NIGHT 500**

**RELATED ITEMS: NONE**

# MMC: 300      CUSTOMER ON/OFF PER STATION

## DESCRIPTION:

Allows the following features to be enabled on a per-station basis.

| | |
|---|---|
| ACCESS DIAL | Determines whether a user can select a trunk or trunk group by dialing its directory number (DN)  i.e. 80, 81, 701, 702, etc.. This selection should be turned to off when using LCR. |
| MICROPHONE | Allows all keysets to be used in the speakerphone mode. |
| OFFHOOK RING | Will allow a short burst of ring tone to indicate another call. |
| SMDR PRINT | When the station is set for no C.O. calls to and from this station, the station will not print on SMDR. This includes transferred calls or calls picked up from hold or park. |
| TGR ADV.TONE | When this feature is set to ON, a warning tone will be heard each time LCR advances to the next route. |
| VMAA FORWARD | This feature selects whether intercom calls can be forwarded to voice mail.<br>ON = Permits forward to voice mail.<br>OFF = No forward to voice mail. |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION

## DISPLAY

1.  Press TRSF 300
    Display shows

```
[201] CUS.ON/OFF
ACCESS DIAL :ON
```

## MMC: 300

2.  Dial station number (e.g., 205)
        OR
    Press UP or DOWN to select station
        OR
    Press ANS/RLS for ALL and press RIGHT soft
    key to move cursor and advance to step 3

```
[205] CUS.ON/OFF
ACCESS DIAL :ON
```

```
[ALL] CUS.ON/OFF
ACCESS DIAL :ON
```

3.  Press UP or DOWN to select feature and
    press RIGHT soft key to move cursor and
    advance to step 4

```
[ALL] CUS.ON/OFF
ACCESS DIAL :ON
```

4.  Press UP or DOWN to select ON/OFF and
    press RIGHT soft key
        OR
    Dial 1 for ON or 0 for OFF

```
[ALL] CUS.ON/OFF
ACCESS DIAL :OFF
```

5.  Press LEFT soft key to return to step 2
    Press RIGHT soft key to return to step 1
        OR
    Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL FEATURES SET TO ON**

**RELATED ITEMS: LCR PROGRAMMING**

# MMC: 301                   ASSIGN STATION COS

## DESCRIPTION:

Used to assign a day and night class of service to each keyset. There are 30 different classes of service that are defined in MMC 701 Assign COS Contents. Classes of service are numbered 01–30.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION                                        DISPLAY

1. Press TRSF 301
   Display shows first station

   ```
   [201] STN COS
   DAY:01  NIGHT:01
   ```

2. Dial station number (e.g., 205)
           OR

   ```
   [205] STN COS
   DAY:01  NIGHT: 01
   ```

   Use UP and DOWN to scroll through stations
   Press RIGHT soft key to advance to step 3
           OR
   Use UP and DOWN to scroll through stations
   and press LEFT soft key to advance to step 4
           OR

   ```
   [ALL] STN COS
   DAY:01  NIGHT:01
   ```

   Press ANS/RLS to select all stations

3. Enter day class of service (e.g., 05)

   ```
   [205] STN COS
   DAY:05  NIGHT:01
   ```

           OR
   Use UP and DOWN to scroll through classes
   of service and press RIGHT soft key to
   advance to step 4
           OR
   Use UP and DOWN to scroll through classes
   of service and press LEFT soft key to return
   to step 2

## MMC: 301

4.  Enter night class of service (e.g., 05)
        OR
    Use UP and DOWN to scroll through classes
    of service and press RIGHT soft key to return
    to step 2
        OR
    Use UP and DOWN to scroll through classes
    of service and press LEFT soft key to return
    to step 3

5.  Press TRSF to save and exit
        OR
    Press SPK to save and advance to next
    MMC

```
[205] STN COS
DAY:05   NIGHT:05
```

**DEFAULT DATA:  DAY CLASS = 01**
                **NIGHT CLASS = 01**

**RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS**

## MMC: 302                           PICKUP GROUPS

## DESCRIPTION:

Allows the assignment of stations into call pickup groups. There is a maximum of 20 pickup groups. An unlimited number of members can belong to each group. Stations can be in only one pickup group at any given time.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**                                          **DISPLAY**

1.  Press TRSF 302
    Display shows

    ```
    [201] PICKUP GRP
    PICKUP GRP :NONE
    ```

2.  Dial station number ( e.g., 205)
            OR

    ```
    [205] PICKUP GRP
    PICKUP GRP :NONE
    ```

    Use UP or DOWN to select station number
    and press RIGHT soft key
            OR

    ```
    [ALL] PICKUP GRP
    PICKUP GRP :??
    ```

    Press ANS/RLS key to select all

3.  Dial pickup group number

    ```
    [205] PICKUP GRP
    PICKUP GRP :05
    ```

            OR
    Press UP or DOWN to select group number

4.  Press RIGHT soft key to return to step 2 above
            OR
    Press LEFT soft key to return to step 3 above
            OR
    Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: NO PICKUP GROUPS ASSIGNED**

**RELATED ITEMS:  MMC 107 KEY EXTENDER**
**MMC 722 STATION KEY PROGRAMMING**
**MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 303    ASSIGN BOSS/SECRETARY

## DESCRIPTION:

Assigns BOSS keysets to SECRETARY keysets. One BOSS station can have up to and including four SECRETARY stations and one SECRETARY station can have up to and including four BOSS stations. A dedicated BOSS button must be programmed on the SECRETARY keyset(s). A dedicated BOSS button must also be programmed on the BOSS keyset.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |
| F BUTTON | Used to toggle BOSS/SECRETARY field (button 21) |

**ACTION**                                                          **DISPLAY**

1.  Press TRSF 303
    Display shows

```
BOSS STN:NONE
SECR 1:NONE
```

2.  Dial station number (e.g., 205)
            OR
    Press UP or DOWN to selected station and
    press RIGHT soft key to advance cursor to
    step 3

```
BOSS STN:NONE
SECR 1:NONE
```

```
BOSS STN :205
SECR 1:NONE
```

3.  Dial station number (e.g., 201)
            OR
    Press UP or DOWN to selected station and
    press RIGHT soft key to return to step 3

```
BOSS STN:205
SECR 1:201
```

```
BOSS STN:205
SECR 2:202
```

## MMC: 303

4.  Press LEFT soft key to return to step 2 and
    continue entries
            OR
    Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS: <u>MMC 722 STATION KEY PROGRAMMING</u>**

# MMC: 304                    ASSIGN EXTENSION/TRUNK USE

## DESCRIPTION:

Allows trunks on a per-station basis the ability to answer incoming calls, to dial out or to do both. If a station is set to NO Dial, the station will not have the ability to place a call. If the station is set to NO Answer, the station cannot answer an incoming call.

NOTE: MMC 406 Trunk Ring Assignment will override this MMC for the Answer option.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION                                        DISPLAY

1.  Press TRSF 304
    Display shows

    ```
    [201] USE [701]
    DIAL:YES ANS:YES
    ```

2.  Dial the station number ( e.g., 205)
             OR
    Press UP or DOWN key to select station and
    press RIGHT soft key to advance to step 3

    ```
    [205] USE [701]
    DIAL:YES ANS:YES
    ```

3.  Dial the trunk ID number ( e.g., 704)
             OR
    Press UP or DOWN key to select trunk and
    press RIGHT soft key to advance to step 4

    ```
    [205] USE [704]
    DIAL:YES ANS:YES
    ```

## MMC: 304

4.  Press UP or DOWN key to select YES/NO
    option
            OR
    Dial 1 for YES or 0 for NO and press RIGHT
    soft key to move cursor to ANS option
    Press UP or DOWN key to select YES/NO
    option
            OR
    Dial 1 for YES or 0 for NO and press RIGHT
    soft key to return to step 2

```
[205] USE [704]
DIAL:NO ANS:YES
```

```
[205 USE [704]
DIAL:NO ANS:NO
```

5.  Press TRSF to store and exit
            OR
    Press SPK to save and advance to next
    MMC


**DEFAULT DATA:  DIAL = YES**
                **ANS = YES**

**RELATED ITEMS:  MMC 406 TRUNK RING ASSIGNMENT**
                 **MMC 722 STATION KEY PROGRAMMING**
                 **MMC 723 SYSTEM KEY PROGRAMMING**

## MMC: 305          ASSIGN FORCED CODE

## DESCRIPTION:

Allows the assignment of either account or authorization codes on a per-station basis or on an all-station basis.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**FEATURE KEYS**

0   NONE                    1   AUTHORIZE                    2   ACCOUNT

**ACTION**                                                **DISPLAY**

1.  Press TRSF
    Display shows

```
[201] FORCD CODE
NONE
```

2.  Dial station number ( e.g., 205)
            OR
    Press UP or DOWN key to select station and
    press RIGHT soft key to move cursor and
    advance to step 3

```
[205] FORCD CODE
NONE
```

3.  Dial a feature option 0–2, e.g., 2
            OR
    Press UP or DOWN key to select option
    and press RIGHT soft key to return to step 2

```
[205] FORCD CODE
ACCOUNT
```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS:   MMC 707 AUTHORIZATION CODE**
**MMC 708 ACCOUNT CODE**

# MMC: 306 HOT LINE

## DESCRIPTION:

Allows the DCS COMPACT to have a automatic ring down circuit for INTERNAL use only. If an external number is to be dialed, use MMC 307 Assign Off-Hook Selection.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 306
   Display shows
   Press RIGHT soft key to advance cursor

```
[201] HOT LINE
NONE
```

2. Enter valid number via dial pad keys
        OR
   Press UP or DOWN to make selection and press RIGHT soft key to return to step 1

```
[201] HOT LINE
202
```

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 307 ASSIGN OFF-HOOK SELECTION**

# MMC: 307  ASSIGN OFF-HOOK SELECTION

## DESCRIPTION:

Allows a station the ability to make a predetermined outgoing call, e.g., 911, upon the expiration of a timer (see MMC 501 System Timers, Off-Hook Selection Timer). There can be a maximum of 18 digits dialed with pauses, FLASH, and OCC added in the dial string. The access code for the trunk is not counted.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| B | Used to insert a flash code "F" |
| C | Used to insert a pause code "P" |
| D | Used to insert a pulse/tone conversion code "C" |
| E | Used to mask/unmask following digits—shows as "[" or "]" |
| F | Used to enter name for speed dial bin (see MMC 106) |

**ACTION**

**DISPLAY**

1. Press TRSF 307
   Display shows

   ```
   [201] OFFHK SEL.
   ```

2. Dial station number
          OR
   Use UP or DOWN to scroll through stations
   Press RIGHT soft key to move the cursor

   ```
   [205] OFFHK SEL.
   _
   ```

3. Dial telephone number with an access code or trunk ID (e.g., 9 or 701) with a maximum of 18 outgoing digits after the access code (see above list of options if needed)
   Bottom row of program keys are options B–E
   Press RIGHT soft key to advance cursor to step 4

   ```
   [205] OFFHK SEL.
   9-1305P4264100_
   ```

## MMC: 307

4.  Dial 1 for YES or 0 for NO
        OR
    Press UP or DOWN key to select YES/NO
    option
    Press RIGHT soft key to return to step 2

```
[205] OFFHK SEL.
CURENTLY SET:YES
```

5.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA:  CURRENTLY SET = NO**

**RELATED ITEMS: MMC 501 SYSTEM TIMERS, OFF-HOOK SELECTION TIMER**

# MMC: 308   ASSIGN BACKGROUND MUSIC SOURCE

## DESCRIPTION:

Assigns a background music source to the DCS keysets. There are a total of 3 possible music selections (see below). One music connection is provided on the KSU motherboard. A second external source is provided with the addition of a MISC card.

If you have a SVMi-4 Voice Mail System installed you may also select a SVMi-4 recording as a music source. The recording must already been defined in MMC 748 and will show up here as the SVMi-4  port associated with the recording.

### OPTIONS

1. **NONE:** No Background Music.

2. **EXTERNAL DEVICE:** Music Source or Digital announcer. This is entered as the directory number of an external music source located on the KSU motherboard (371) or a MISC card (372).

3. **VOICE MAIL SOUND FILE:** If the COMPACT system has an optional SVMi-4 card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for BGM sources. Select the SVMi-4 port assigned in MMC748. For information on creating the sound files see SVMi-4 System Administrator Manual-Recording greetings by number. If you select this option be advised that VMMOH source requires one dedicated SVMi-4 port/channel.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

1. Press TRSF 308
   Display shows current setting

### DISPLAY

```
[201 ] BGM SOURCE
BGM SOURCE:NONE
```

## MMC: 308

2.    Dial keyset number (e.g., 205)
            OR
      Use UP or DOWN to scroll through keyset
      numbers; press RIGHT soft key to move cursor
            OR
      Press ANS/RLS to select all stations

```
[205 ] BGM SOURCE
BGM SOURCE:NONE
```

```
[ALL] BGM SOURCE
BGM SOURCE:?
```

3.    Enter source number (e.g., 371)
            OR
      Press UP or DOWN key to make selection and
      press RIGHT soft key to return to step 2

```
[205 ] BGM SOURCE
BGM SOURCE:371
```

4.    Press TRSF to store and exit
            OR
      Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS:    MMC 309 ASSIGN STATION MUSIC ON HOLD**
                    **MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**
                    **AUTO ATTENDANT PROGRAMMING**
                    **MMC 748 ASSIGN VMMOH**

## MMC: 309          ASSIGN STATION MUSIC ON HOLD

## DESCRIPTION:

This MMC is used to select what MOH source you will hear when another internal station puts you on hold. There are a total of 3 possible music selections (see below). One music connection is provided on the KSU motherboard. A second external source is provided with the addition of a MISC card.

If you have a SVMi-4 Voice Mail System installed you may also select a SVMi-4 recording as a music source. The recording must already been defined in MMC 748 and will show up here as the SVMi-4 port associated with the recording.

### OPTIONS

1. **NONE:** No Background Music.

2. **EXTERNAL DEVICE:** Music Source or Digital announcer. This is entered as the directory number of an external music source located on the KSU motherboard (371) or a MISC card (372).

3. **VOICE MAIL SOUND FILE:** If the COMPACT system has an optional SVMi-4 card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for BGM sources. Select the SVMi-4 port assigned in MMC748. For information on creating the sound files see SVMi-4 System Administrator Manual-Recording greetings by number. If you select this option be advised that VMMOH source requires one dedicated SVMi-4 port/channel.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

1. Press TRSF 309
   Display shows current setting

### DISPLAY

```
[201 ] MOH SOURCE
MOH SOURCE:NONE
```

## MMC: 309

2.  Dial keyset number (e.g., 205)
        OR
    Use UP or DOWN to scroll through keysets
    Press RIGHT soft key to move the cursor
        OR
    Press ANS/RLS to select all stations

```
[205 ] MOH SOURCE
MOH SOURCE:NONE
```

```
[ALL] MOH SOURCE
MOH SOURCE:?
```

3.  Enter source number (e.g., 371)
        OR
    Press UP or DOWN key to make selection
    Press RIGHT soft key to return to step 2

```
[205 ] MOH SOURCE
MOH SOURCE:371
```

4.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**


**RELATED ITEMS:**   **MMC 308 ASSIGN BACKGROUND MUSIC SOURCE**
                     **MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**
                     **MMC 748 ASSIGN VMMOH**

# MMC: 310 LCR CLASS OF SERVICE

## DESCRIPTION:

Assigns the LCR class of service allowed for a station on a per-station basis. There are eight classes which may be assigned.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 310
   Display shows

   ```
   [201] LCR CLASS
   LCR CLASS 1
   ```

2. Dial station number (e.g., 205)
           OR
   Press UP or DOWN to select station and
   press RIGHT soft key to move cursor
           OR
   Press ANS/RLS to select all stations

   ```
   [205] LCR CLASS
   LCR CLASS 1
   ```

   ```
   [ALL] LCR CLASS
   LCR CLASS ?
   ```

3. Dial 1–8 to select class type
           OR
   Press UP or DOWN to select class type
   Press RIGHT soft key to return to step 2

   ```
   [205] LCR CLASS
   LCR CLASS 3
   ```

4. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: LEAST COST ROUTING COS 1**

**RELATED ITEMS: LCR PROGRAMMING**

## MMC: 311      ASSIGN SIM PARAMETER

## DESCRIPTION:

> NOTE: This MMC has no function on the DCS COMPACT at this time. It may be used in the future.

Assigns and sets parameters for the serial interface module (SIM).

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### ACTION

### DISPLAY

1. Press TRSF 311
   Display shows

   ```
   [205] SIM PARA.
   SIM TYPE :DTE
   ```

2. Enter station number of SIM (e.g., 220) via dial keypad
       OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor

   ```
   [220] SIM PARA.
   SIM TYPE :DTE
   ```

3a. Enter desired selection from table A (e.g., 01)
       OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor

   ```
   [220] SIM PARA.
   CALL MODE:MANUAL
   ```

3b. Enter desired selection from table B (e.g., 02)
       OR
   Press UP or DOWN key to make selection
   Press RIGHT soft key to move cursor to step 4

   ```
   [220] SIM PARA.
   SIM TYPE :DTE
   ```

## MMC: 311

3c.   Enter desired selection from table D (e.g., 02)

OR

Press UP or DOWN key to make selection
Press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
ANS MODE :MANUAL
```

3d.   Enter desired selection from table E (e.g., 03)

OR

Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
AUTO BAUD:ON
```

3e.   Enter desired selection from table F (e.g., 04)     OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
DTR CHECK:ON
```

3f.   Enter desired selection from table G (e.g., 05)

OR

Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
ECHO      :ON
```

3g.   Enter desired selection from table H (e.g., 06)

OR

Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
PROTOCOL :V110
```

3h.   Enter desired selection from table I (e.g., 07)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to step 4

```
[220] SIM PARA.
SPEED     :9600
```

## MMC: 311

3i. Enter desired selection from table J (e.g., 08)
        OR
Press UP or DOWN key to make selection
and press RIGHT soft key to move cursor to
step 4

```
[220] SIM PARA.
CHAR LENG:8 BITS
```

3j. Enter desired selection from table K (e.g.,
09)
        OR
Press UP or DOWN key to make selection
and press RIGHT soft key to move cursor to
step 4

```
[220] SIM PARA.
PARITY   :NONE
```

3k. Enter desired selection from table L (e.g., 10)
        OR
Press UP or DOWN key to make selection
and press RIGHT soft key to move cursor to
step 4

```
[220] SIM PARA.
STOP BIT :1
```

4. Enter desired selection from table C (e.g., 1)
        OR
Press UP or DOWN key to make selection
and press LEFT soft key to move cursor
back to step 3 and continue entries
        OR
Proceed to step 5

```
[220] SIM PARA.
CALL MODE:AWITH
```

5. Press TRSF to store and exit
        OR
Press SPK to store and advance to next MMC

## MMC: 311

**TABLE A**
**SIM PARAMETER**

| 00 | SIM TYPE | = | Table B |
|----|----------|---|---------|
| 01 | CALL MODE | = | Table C |
| 02 | ANS MODE | = | Table D |
| 03 | AUTO BAUD | = | Table E |
| 04 | DTR CHECK | = | Table F |
| 05 | ECHO | = | Table G |
| 06 | PROTOCOL | = | Table H |
| 07 | SPEED | = | Table I |
| 08 | CHAR LENGTH | = | Table J |
| 09 | PARITY | = | Table K |
| 10 | STOP BIT | = | Table L |

**TABLE B**                              **TABLE C**
**SIM TYPE**                             **CALL MODE**

| 0 | HOST | | 0 | MANUAL |
|---|------|---|---|--------|
| 1 | MODEM | | 1 | AUTO WITH |
| 2 | DTE | | 2 | AUTO WITHOUT |
| 3 | PRT | | | |

**TABLE D**                              **TABLE E**
**ANS MODE**                             **AUTO BAUD**

| 0 | MANUAL | | 0 | OFF |
|---|--------|---|---|-----|
| 1 | AUTO | | 1 | ON |

**TABLE F**                              **TABLE G**
**DTR CHECK**                            **ECHO**

| 0 | OFF | | 0 | OFF |
|---|-----|---|---|-----|
| 1 | ON | | 1 | ON |

## MMC: 311

**TABLE H
PROTOCOL**

| | |
|---|---|
| 0 | V110 |
| 1 | V120 |

**TABLE I
SPEED TABLE**

| | |
|---|---|
| 0 | 300 |
| 1 | 600 |
| 2 | 1200 |
| 3 | 2400 |
| 4 | 4800 |
| 5 | 9600 |
| 6 | 19200 |
| 7 | 38400 |
| 8 | 48000 |
| 9 | 56000 |

**TABLE J
CHAR LENGTH**

| | |
|---|---|
| 0 | 8 |
| 1 | 7 |
| 2 | 6 |
| 3 | 5 |

**TABLE K
PARITY TABLE**

| | |
|---|---|
| 0 | NONE |
| 1 | ODD |
| 2 | EVEN |

**TABLE L
STOP BIT**

| | |
|---|---|
| 0 | 1 |
| 1 | 1.5 |
| 2 | 2 |

**DEFAULT DATA:  SIM TYPE = DTE
                 CALL MODE = MANUAL
                 ANS MODE = MANUAL
                 AUTO BAUD = ON
                 DTR CHECK = ON
                 ECHO = ON
                 PROTOCOL = V110
                 SPEED = 9600
                 CHAR LENG = EIGHT BITS
                 PARITY = NONE
                 STOP BIT = 1**

**RELATED ITEMS: MMC 804 SYSTEM I/O PARAMETER**

# MMC: 312                    ALLOW CALLER ID

## DESCRIPTION:

NOTE: This MMC only applies to systems with Caller ID software.

Allows the system administrator or technician to allow or deny the displaying of Caller ID data at LCD keysets.

Each keyset can have the following options:

| | | |
|---|---|---|
| 0 | CID NOT ALLOWED | No Caller ID data will be displayed |
| 1 | CID ALLOWED | Caller ID data will be displayed |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION                                    DISPLAY

1. Press TRSF 312
   Display shows

   ```
   [201] ALLOW CID
   CID NOT ALLOW
   ```

2. Dial station number (e.g., 205)
              OR
   Press UP or DOWN to select station
   and press right soft key to move cursor
              OR
   Press ANS/RLS to select ALL

   ```
   [205] ALLOW CID
   CID NOT ALLOW
   ```
              OR

   ```
   [ALL] ALLOW CID
   ??
   ```

3. Dial 1 or 0 to select option

   ```
   [205] ALLOW CID
   CID ALLOW
   ```

              OR

   Press UP or DOWN to select option
   Press right soft key to return to step 2

   ```
   [ALL] ALLOW CID
   CID ALLOW
   ```

## MMC: 312

4.  Press TRSF to store and exit
          OR
    Press SPK to save and advance to next MMC


**DEFAULT DATA: CALLER ID IS NOT ALLOWED**

**RELATED ITEMS:**   **MMC 116 ALARM AND MESSAGE**
                    **MMC 414 ASSIGN CALLER ID TRUNKS**

# MMC: 315   CUSTOMER SET RELOCATION

## DESCRIPTION:

System Administration access allows Customer Set Relocation with similar station equipment.  All assignments such as trunk ring, station group, station COS, station speed dial etc. will follow the Customer Set Relocation program.  12 button keysets and 24 button keysets can be exchanged.  Basic 7 button keysets can be exchanged with Basic 7 button key sets.  Single line stations numbers can be exchanged.  If incompatible set types are selected the DCS system will provide an ERROR:NO MATCH message.  12 button and 24 button key assignments should be taken in consideration when relocating these types of sets.

NOTE:  Customer access to this feature is default OFF in MMC 802.

| CUSTOMER SET RELOCATION ALLOW TABLE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | S/L | 7 BTN | BSC 12 | LCD 12 | BSC 24 | LCD 24 | 32 AOM | DCS & IDCS 64 AOM | IDCS 8D | IDCS 18D | IDCS 28D |
| S/L | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| 7 BTN | NO | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| BSC 12 | NO | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO |
| LCD 12 | NO | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO |
| BSC 24 | NO | NO | NO | NO | YES | YES | NO | NO | NO | NO | NO |
| LCD 24 | NO | NO | NO | NO | YES | YES | NO | NO | NO | NO | NO |
| 32 AOM | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO |
| DCS & IDCS 64 AOM | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO |
| IDCS 8D | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO |
| IDCS 18D | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO |
| IDCS 28D | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## MMC: 315

**ACTION**                                      **DISPLAY**

1.  Press TRSF 315
    Display shows

    ```
    SET RELOCATION
    EXT _    EXT
    ```

2.  Enter first station number (e.g.,202)
    press RIGHT soft key to move cursor

    ```
    SET RELOCATION
    EXT 202   EXT _
    ```

3.  Enter second station number (e.g.,210)
    Press RIGHT softkey to enter data

    ```
    SET RELOCATE
    EXT 202   EXT 210
    ```

4.  Display will return to STEP 1
    Go to STEP 2

    ```
    SET RELOCATION
    EXT _    EXT
    ```

                    OR
5.  Press SPK to advance to next MMC


**DEFAULT DATA:**   NONE

**RELATED ITEMS:**   **MMC 722 STATION KEY PROGRAMMING**
                     **MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 400 CUSTOMER ON/OFF PER TRUNK

## DESCRIPTION:

Assigns several options on a per-trunk basis.

### OPTIONS

| | | |
|---|---|---|
| 0 | 1A2 EMULATION | Trunk override call (NO PRIVACY) |
| 1 | TRUNK INC DND | Allows trunk to override DND (DIL) |
| 2 | TRUNK FORWARD | Allows trunk to be forwarded |

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

### DISPLAY

1. Press TRSF 400
   Display shows

   ```
   [701] TRK ON/OFF
   1A2 EMULATE:OFF
   ```

2. Dial trunk number (e.g., 704)
        OR

   ```
   [704] TRK ON/OFF
   1A2 EMULATE:OFF
   ```

   Press UP or DOWN key to select trunk
        OR
   Press ANS/RLS for all trunks and press
   RIGHT soft key to move cursor to options

   ```
   [ALL] TRK ON/OFF
   1A2 EMULATE :?
   ```

   Dial option number from above list (0–2)
        OR
   Press UP or DOWN key to select option and
   press RIGHT soft key to move cursor

   ```
   [704] TRK ON/OFF
   TRK FORWARD :ON
   ```

## MMC: 400

3.  Dial 1 for ON or 0 for OFF
        OR
    Press UP or DOWN key to select ON/OFF
    and press RIGHT soft key to return to step 2
    Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC

```
[704]  TRK ON/OFF
TRK FORWARD OFF
```

**DEFAULT DATA:  1A2 EMULATE OFF**
**                  TRUNK INC DND OFF**
**                  TRUNK FORWARD ON**

**RELATED ITEMS: NONE**

# MMC: 401                              C.O./PBX LINE

## DESCRIPTION:

Used to select the mode of the C.O. line. If the PBX mode is chosen, PBX access codes can be recognized allowing more complete toll restriction. This mode is assigned on a per-trunk basis.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**                                    **DISPLAY**

1.  Press TRSF 401
    Display shows

    ```
    [701] PBX LINE
    CO LINE
    ```

2.  Dial trunk number (e.g., 704)
            OR

    ```
    [704] PBX LINE
    CO LINE
    ```

    Use UP or DOWN to scroll through trunks
    Press RIGHT soft key to move cursor
            OR
    Press ANS/RLS to select ALL

    ```
    [ALL] PBX LINE
    ?
    ```

3.  Dial 1 for PBX or 0 for CO
            OR

    ```
    [704] PBX LINE
    PBX LINE
    ```

    Use UP or DOWN to scroll through options
    Press RIGHT soft key to return to step 2

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL TRUNKS C.O. LINE**

**RELATED ITEMS: NONE**

# MMC: 402                    TRUNK DIAL TYPE

## DESCRIPTION:

Used to determine the dialing type of each C.O. line. There are two options: rotary dial and Dual Tone Multi Frequency (DTMF).

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION                                    DISPLAY

1.  Press TRSF 402
    Display shows

    ```
    [701] DIAL TYPE
    DTMF TYPE
    ```

2.  Dial trunk number  (e.g., 704)
            OR

    ```
    [704] DIAL TYPE
    DTMF TYPE
    ```

    Use UP or DOWN to scroll through trunk
    numbers and press RIGHT soft key to move
    the cursor
            OR
    Press ANS/RLS to select ALL

    ```
    [ALL] DIAL TYPE
    ?
    ```

3.  Dial 1 for PULSE or 0 for DTMF
            OR

    ```
    [704] DIAL TYPE
    DIAL PULSE TYPE
    ```

    Use UP or DOWN to scroll through options
    Press RIGHT soft keys to return to step 2

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

### DEFAULT DATA: ALL TRUNKS DTMF

### RELATED ITEMS:   MMC 501 SYSTEM TIMERS
                     MMC 503 TRUNK-WIDE TIMER

# MMC: 403                TRUNK TOLL CLASS

## DESCRIPTION:

Assigns toll class level assignments on a per-trunk or all-trunk basis in a day or night condition. The options for toll level will follow the either station class or the class of service defined in MMCs 702 Toll Deny Table and 703 Toll Allowance Table. The toll classes that are available are listed below with their entry numbers.

| ENTRY NUMBER | CLASS TYPE | DESCRIPTION |
|---|---|---|
| 0 | F-STN | Follow station toll restriction |
| 1 | CLS-A | Class A Unrestricted |
| 2 | CLS-B | Follow toll class B |
| 3 | CLS-C | Follow toll class C |
| 4 | CLS-D | Follow toll class D |
| 5 | CLS-E | Follow toll class E |
| 6 | CLS-F | Follow toll class F |
| 7 | CLS-G | Follow toll class G |
| 8 | CLS-H | Follow toll class H |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION                                          DISPLAY

1. Press TRSF 403
   Display shows

   ```
   [701] TOLL CLASS
   D:F-STN N:F-STN
   ```

2. Dial trunk number
        OR
   Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor
        OR
   Press ANS/RLS to select ALL

   ```
   [704] TOLL CLASS
   D:F-STN N:F-STN
   ```

   ```
   [ALL] TOLL CLASS
   D:?        N:?
   ```

## MMC: 403

3.  Press LEFT soft key to advance to night toll class
        OR
    Press RIGHT soft key to advance to day toll class and enter toll class (e.g., 2)
        OR
    Use UP or DOWN to scroll through toll classes and use RIGHT soft key to move the cursor right

```
[704] TOLL CLASS
D:CLS-B N:F-STN
```

4.  Press RIGHT soft key to return to step 2
        OR
    Enter night toll class (e.g., 2)
        OR
    Use UP or DOWN to scroll through toll classes and use RIGHT soft key to return to step 2

```
[704] TOLL CLASS
D:CLS-B N:CLS-B
```

5.  Press TRSF to store data and exit
        OR
    Press SPK to save and advance to next MMC


**DEFAULT DATA: ALL TRUNKS F-STN DAY/NIGHT**

**RELATED ITEMS:   MMC 202 CHANGE FEATURE PASSCODES**
**                 MMC 301 ASSIGN STATION COS**
**                 MMC 507 ASSIGN AUTO NIGHT TIME**
**                 MMC 701 ASSIGN COS CONTENTS**
**                 TOLL RESTRICTION**

# MMC: 404                     TRUNK NAME

## DESCRIPTION:

Allows a character name to be entered to identify an individual trunk. There are ten characters for Version 1 software and 11 characters for Version 2 software.

Names are written using the keypad. Each press of a key will select a character. Press the desired key to move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the "A" key will change the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right or the DOWN key to move the cursor left. A space can be entered by using these keys.

- ## DCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

### MMC: 404

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

UP & DOWN          Used to scroll through options/move cursor left or right
KEYPAD               Used to enter selections
SOFT KEYS          Move cursor left and right
SPK                    Used to store data and advance to next MMC
HOLD                  Used to clear previous entry
A                       Key 19; acts as toggle between upper case and lower case

**ACTION**                                            **DISPLAY**

1. Press TRSF 404
   Display shows

   `[7̲01]  TRUNK NAME`

2. Dial trunk (e.g., 704)
        OR
   Press UP or DOWN to select trunk
   Press RIGHT soft key to move the cursor

   `[7̲04]  TRUNK NAME`

3. Enter trunk name using the procedure above
   Press RIGHT soft key to return to step 2

   `[704]  TRUNK NAME`
   `S̲AMSUNG`

## MMC: 404

4.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NO NAMES ENTERED**

**RELATED ITEMS:**   **MMC 104 STATION NAME**
**MMC 405 TRUNK NUMBER**
**"A" KEY IS BUTTON 19**

# MMC: 405 TRUNK NUMBER

## DESCRIPTION:

Allows a ten digit number to be entered to identify an individual trunk.

Numbers are written using the keypad. Each press of a key will select a digit. Pressing the desired key will move the cursor to the next position. For example, if the directory number is "426-4100," press the number "4" five times to get the number "4." Now press the number "2" five times for number "2." Continue selecting characters from the table below to complete your number.

NOTE: When the number you want appears on the same dial pad key as the previous number, press the UP key to move the cursor to the right or the DOWN key to move the cursor left. A space can be entered by using these keys. The # key will enter special digits, including a dash.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|------|-----|-----|-----|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✳ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✳ | : | = | [ | ] | ✳ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 405

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options/move cursor left or right |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| A | Key 19; acts as toggle between upper case and lower case |

**ACTION**                                   **DISPLAY**

1. Press TRSF 405
   Display shows

   `[701] CO TEL NO.`

2. Dial trunk (e.g., 705)
        OR
   Press UP or DOWN to select trunk and
   press RIGHT soft key to move the cursor

   `[704] CO TEL NO.`

3. Enter trunk number using the procedure
   described above

   `[704] CO TEL NO.`
   `3054264100`

## MMC: 405

4.    Press RIGHT soft key to return to step 2
       above
              OR
       Press TRSF to store and exit
              OR
       Press SPK to store and advance to next MMC


**DEFAULT DATA: NO NUMBERS ENTERED**

**RELATED ITEMS: <u>MMC 404 TRUNK NAME</u>**

# MMC: 406          TRUNK RING ASSIGNMENT

## DESCRIPTION:

Enables ringing to a specific station or to a group of stations when incoming calls are received. This MMC controls both day and night locations.

| DEVICE | DEFAULT DN |
|---|---|
| Station | 201–222, 301–316 |
| Station group | 500–529 |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL (trunks only) |

**ACTION**                                                      **DISPLAY**

1.  Press TRSF 406
    Display shows

```
[701]  TRK RING
D:500    N:500
```

2.  Dial trunk number (e.g., 704)
          OR
    Use UP or DOWN to scroll through trunk
    numbers and press the RIGHT soft key to
    move the cursor

```
[704]  TRK RING
D:500    N:500
```

3.  Dial station number or station group
    number
    (e.g., 205 or 501)
          OR
    Press UP or DOWN key to select station
    number or station group number and press
    RIGHT soft key to move cursor to night
    destination and repeat step 3
          OR
    Press RIGHT soft key to return to step 2

```
[704]  TRK RING
D:205    N:500
```

```
[704]  TRK RING
D:205    N:501
```

**MMC: 406**

4.    Press TRSF to store and exit
                OR
        Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL TRUNKS DAY:500 NIGHT:500**

**RELATED ITEMS:**   **MMC 202 CHANGE FEATURE PASSCODES**
                          **MMC 507 ASSIGN AUTO NIGHT TIME**
                          **MMC 601 ASSIGN STATION GROUP**

# MMC: 407          FORCED TRUNK RELEASE

## DESCRIPTION:

Provides a postive forced trunk release to a specific trunk or all trunks in the event of a trunk lockup.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**                                         **DISPLAY**

1.  Press TRSF 407
    Display shows

    ```
    [701] TRK RELS.
    RELEASE?Y:1,N:0
    ```

2.  Dial in trunk number ( e.g., 704)
            OR

    ```
    [704] TRK RELS.
    RELEASE?_Y:1,N:0
    ```

    Press UP or DOWN key selected trunk and
    press right soft key
            OR
    Press ANS/RLS to select all trunks

    ```
    [ALL] TRK RELS.
    RELEASE?_Y:1,N:0
    ```

3.  Dial 1 for YES
            OR
    Dial 0 for NO
    Pressing 1or 0 will return to step 2

    ```
    [704] TRK RELS.
    RELEASE?1Y:1,N:0
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 603 ASSIGN TRUNK GROUP**

# MMC: 408  ASSIGN TRUNK MUSIC ON HOLD SOURCE

## DESCRIPTION:

Allows the System Administrator to select what a trunk caller will hear when that trunk is placed on hold. There are a total of 5 possible music selections (see below).

If you have a SVMi-4 Voice Mail System installed you may also select a SVMi-4 recording as a music source. The recording must already been defined in MMC 748 and will show up here as the SVMi-4 port associated with the recording.

### OPTIONS

1. **NONE:** No Background Music.

2. **EXTERNAL DEVICE:** Music Source or Digital announcer. This is entered as the directory number of an external music source located on the KSU motherboard (371) or a MISC card (372).

3. **VOICE MAIL SOUND FILE:** If the COMPACT system has an optional SVMi-4 card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for BGM sources. Select the SVMi-4 port assigned in MMC748. For information on creating the sound files see SVMi-4 System Administrator Manual-Recording greetings by number. If you select this option be advised that VMMOH source requires one dedicated SVMi-4 port/channel.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

### DISPLAY

1. Press TRSF 408
   Display shows current setting

```
[701 ] TRK MOH
MOH SOURCE:TONE
```

## MMC: 408

2.  Dial trunk number (e.g., 704)
   OR
 Use UP or DOWN to scroll through trunks
 Press RIGHT soft key to move cursor
   OR
 Press ANS/RLS to select ALL

```
[704 ] TRK MOH
MOH SOURCE:TONE
```

```
[ALL] TRK MOH
MOH SOURCE:?
```

3.  Enter source number (e.g., 371)
   OR
 Press UP or DOWN key to select option
 Press RIGHT soft key to return to step 2 above

```
[705 ] TRK MOH
MOH SOURCE:371
```

4.  Press TRSF to store and exit
   OR
 Press SPK to store and advance to next MMC


**DEFAULT DATA: TONE**

**RELATED ITEMS:** **MMC 308 ASSIGN BACKGROUND MUSIC SOURCE**
      **MMC 748 ASSIGN VMMOH**

## MMC: 409      TRUNK STATUS READ

## DESCRIPTION:

Allows the status of trunks to be read in a format that will enable the servicing personnel to quickly identify the ownership and position of a trunk. This is a read-only MMC.

**OPTION TABLE**

| | |
|---|---|
| 00 | Port Number |
| 01 | Tenant Number |
| 02 | 1A2 Emulation On/Off |
| 03 | Trunk Forward Sts On/Off |
| 04 | Trunk Line Type |
| 05 | Trunk Dial Type |
| 06 | Day Trunk Toll Restriction |
| 07 | Night Trunk Toll Restriction |
| 08 | Day Trunk Ring Destination |
| 09 | Night Trunk Ring Destination |
| 10 | Trunk Music on Hold Source |
| 11 | Trunk DISA Status |
| 12 | Trunk Name |
| 13 | Trunk Listed Number |

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                      **DISPLAY**

1. Press TRSF 409
   Display shows

```
[701] TRK STATUS
P00:C1-01-OFS:01
```

## MMC: 409

2.  Enter trunk number via dial keypad (e.g.,
    707)
            OR
    Press UP or DOWN key to make selection
    and press RIGHT soft key to advance cursor

```
[707] TRK STATUS
P33:C2-03-OFS:07
```

3a.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
TENANT NUMBER:1
```

3b.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
1A2 EMUL STS:OFF
```

3c.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
TRK FWD STS :ON
```

3d.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
LINE: CO LINE
```

3e.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
DIAL:DTMF TYPE
```

3f.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
DAY TOLL  :F-STN
```

3g.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
NIGHT TOLL:F-STN
```

3h.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
DAY RING  :500
```

3i.  Enter desired option
            OR
    Press UP or DOWN key to make selection

```
[707] TRK STATUS
NIGHT RING:500
```

## MMC: 409

3j.  Enter desired option
        OR
   Press UP or DOWN key to make selection

```
[707] TRK STATUS
MOH SOURCE:TONE
```

3k.  Enter desired option
        OR
   Press UP or DOWN key to make selection

```
[707] TRK STATUS
DISA:NORMAL
```

3l.  Enter desired option
        OR
   Press UP or DOWN key to make selection

```
[707] TRK STATUS
NAME:
```

3m.  Enter desired option
        OR
   Press UP or DOWN key to make selection

```
[707] TRK STATUS
TEL#:
```

```
P00:PORT NUMBER IN SYSTEM
CX=CABINET 1 MAIN, 2 EXPANSION RACK
0X=POSTION ON PCB,  (C1-01~04)MAIN CABINET, POSTION 1/4
                   (C2-01~06)EXP CABINET,   1~2 FIRST SLOT
                                            3~4 SECOND SLOT
                                            5~6 THIRD SLOT

OFS=ACTUAL TRUNK NUMBER (1~10)
```

**DEFAULT DATA: SEE ABOVE ENTRIES**


**RELATED ITEMS: MMC 400 CUSTOMER ON/OFF PER TRUNK**
                      **MMC 401 C.O./PBX LINE**
                      **MMC 402 TRUNK DIAL TYPE**
                      **MMC 403 TRUNK TOLL CLASS**
                      **MMC 404 TRUNK NAME**
                      **MMC 405 TRUNK NUMBER**
                      **MMC 406 TRUNK RING ASSIGNMENT**
                      **MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**
                      **MMC 410 ASSIGN DISA TRUNK**

# MMC: 410       ASSIGN DISA TRUNK

## DESCRIPTION:

Allows the system the ability to have Direct Inward System Access (DISA). Because there is a possibility that unauthorized calls will be made via this feature, several safeguards have been added. The end user must be informed of these to prevent unnecessary service calls. DISA can lockout when a predetermined number of invalid consecutive calls are attempted. Callers will then receive error tone until the programmable timer has expired. The ✱ key may be used to initiate new dial tone while in a station to station call. The # key may be used to terminate the DISA call and disconnect the central office line.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL (trunks) |

**FEATURE KEYS**

| | | |
|---|---|---|
| 0 | NORMAL | No DISA service |
| 1 | DAY | In day mode DISA is available |
| 2 | NIGHT | In night mode DISA is available |
| 3 | BOTH | In day and night mode DISA is available |

**ACTION**                          **DISPLAY**

1. Press TRSF 410
   Display shows

   ```
   [701] DISA LINE
   NORMAL
   ```

2. Dial trunk number (e.g., 704)
       OR
   Press UP or DOWN key to select trunk and
   press RIGHT soft key

   ```
   [704] DISA LINE
   NORMAL
   ```

       OR
   Press ANS/RLS key to select all trunks

   ```
   [ALL] DISA LINE
   ?
   ```

## MMC: 410

3.  Dial an option (0–3) from the above table
          OR
    Press UP or DOWN key to select trunk and
    press RIGHT soft key to return to step 2

```
[704] DISA LINE
NIGHT
```

4.  Press TRSF to store and exit
          OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: ALL TRUNKS NORMAL**

**RELATED ITEMS: MMC 500 SYSTEM-WIDE COUNTERS**

# MMC: 412          ASSIGN TRUNK SIGNAL

## DESCRIPTION:

Assigns signaling for E&M cards.  This MMC is only for E & M trunks. These trunks may also use the translation tables in MMC 714. The E & M trunks can use the translation tables if specified in MMC 416. The signaling types are as follows:

<div align="center">

SIGNALLING

IMMEDIATE          DELAYED          WINK

</div>

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

### DISPLAY

1. Press TRSF 412
   Display shows

```
[705] TRK SIGNAL
IMMEDIATE START
```

2a. Enter desired trunk number (e.g., 706)
        OR
    Press UP or DOWN key to make selection
    Press RIGHT soft key to move cursor
        OR
    Press ANS/RLS to select all trunks

```
[706] TRK SIGNAL
IMMEDIATE START
```

```
[ALL] TRK SIGNAL
?
```

2b. Enter desired trunk type selection from above
        OR
    Press UP or DOWN key to make selection
    and press RIGHT soft key to return to step 2a

```
[706] TRK SIGNAL
WINK
```

3. Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC

## MMC: 412

**DEFAULT DATA: ALL TIE TRUNKS SET TO IMMEDIATE**

**RELATED ITEMS:**  **MMC 416 E & M TRANSLATION**
**MMC 714 DID NUMBER AND NAME TRANSLATION**

# MMC: 414    ASSIGN CALLER ID TRUNKS

## DESCRIPTION:

NOTE: This MMC only applies to systems with Caller ID software.

Allows the system administrator or technician to activate Caller ID on a per-trunk basis. Activating Caller ID will delay the incoming ring indication at the operator by two ring cycles to allow for the collection of the Caller ID data.

Each trunk has the following options:

| 0 | NORMAL | This is not a Caller ID trunk. |
|---|---|---|
| 1 | CID TRUNK | This is a Caller ID trunk. |

## PROGRAM KEYS

| UP & DOWN | Used to scroll through options |
|---|---|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

## ACTION

**DISPLAY**

1. Press TRSF 414
   Display shows

   ```
   [701] CID TRUNK
   NORMAL
   ```

2. Dial trunk number (e.g., 705)
          OR
   Press UP or DOWN to select trunk
   and press right soft key to move cursor
          OR
   Press ANS/RLS to select ALL

   ```
   [705] CID TRUNK
   NORMAL
   ```
              OR

   ```
   [ALL] CID TRUNK
   ??
   ```

3. Dial 1 or 0 to change options

   ```
   [705] CID TRUNK
   CID TRUNK
   ```

          OR
   Press UP or DOWN to select an option and
   press right soft key to return to step 2

              OR
   ```
   [ALL] CID TRUNK
   CID TRUNK
   ```

**MMC: 414**

4.   Press TRSF to store and exit
             OR
       Press SPK to save and advance to next MMC


**DEFAULT DATA: ALL TRUNKS ARE NORMAL**

**RELATED ITEMS:**   MMC 119 CALLER ID DISPLAY
                              MMC 312 ALLOW CALLER ID

## MMC: 415          REPORT TRUNK ABANDON DATA

## DESCRIPTION:

NOTE: This MMC only applies to systems with Caller ID software.

Allows the system administrator or technician to enable or disable the reporting of abandoned C.O. calls for which CID information has been collected on a per-trunk basis. There are two options for this MMC as follows:

0   REPORT: NO          Abandoned call records for incoming calls with CID information will not be printed on SMDR or stored in the system call abandon list. These records will continue to be stored in the station review list.

1   REPORT: YES         Abandoned call records for incoming calls with CID information will be printed on SMDR and stored in the system call abandon list. These records will also be stored in the station review list.

NOTE: In order for these abandoned call records to print on SMDR, MMC 725 SMDR OPTIONS Option 11 Print Abandoned Call Records must be set to YES.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

### DISPLAY

1. Press TRSF 415
   Display shows

   ```
   [701] TRK ABNDN
   REPORT : YES
   ```

2. Dial trunk number (e.g., 705)
        OR
   Use UP and DOWN to select trunk and use
   left or right soft key to move cursor

   ```
   [705] TRK ABNDN
   REPORT : YES
   ```

## MMC: 415

3.  Dial 1 for YES or 0 for NO
            OR
    Use UP and DOWN to scroll through
    options and use left or right soft key to
    return to step 2

```
[705] TRK ABNDN
REPORT : NO
```

4.  Press TRSF to save and exit
            OR
    Press SPK to save and advance to next MMC


**DEFAULT DATA: ALL TRUNKS WILL REPORT DATA**

**RELATED ITEMS:**   **MMC 725 SMDR OPTIONS**
                           **MMC 414 ASSIGN CALLER ID TRUNKS**

# MMC: 416     ASSIGN E & M TRANSLATION

## DESCRIPTION:

Gives the ability of an E & M tie line to use the translation tables (MMC 714). When the digits received are processed by the translation table the E&M circuits can be used for DID or DNIS.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**

**DISPLAY**

1. Press TRSF 416
   Display shows

   ```
   [705] E&M TRANS
   UNUSE DID TRANS
   ```

2. Dial trunk number (e.g., 717)
           OR
   Press UP or DOWN key to select trunk
   and press RIGHT soft key to move cursor

   ```
   [707] E&M TRANS
   UNUSE DID TRANS
   ```

3. Press UP or DOWN key to scroll options
   and press RIGHT soft key to select

   ```
   [707] E&M TRANS
   USE DID TRANS
   ```

4. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: UNUSE DID TRANS**

**RELATED ITEMS: MMC 714 DID NUMBER AND NAME TRANSLATION**
                **RELATED TRUNK PROGRAMMING**

## MMC: 500                    SYSTEM-WIDE COUNTERS

## DESCRIPTION:

Used to set the values of the system counters. The counters are listed below with a brief description of each.

1. ALARM REMINDER — This is the number of times that an alarm reminder will ring a station before canceling. RANGE = 1–99.

2. AUTO REDIAL — This is the number of times the system will redial an outside number after the auto redial feature has been activated. RANGE = 1–15.

3. DISA INTERCOM CALL — This counter sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1–99.

4. DISA LOCK OUT — This is the number of attempts to incorrectly access a DISA line the system will allow before locking out the DISA line. RANGE = 1–99.

5. NEW CALL — This is the number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1–99.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

**ACTION**                                   **DISPLAY**

1. Press TRSF 500
   Display shows

```
ALARM REM.CNTER
01→
```

## MMC: 500

2.  Enter number from above list (e.g., 3)
        OR
    Press UP or DOWN key to make selection
    and press RIGHT soft key to move cursor

```
DISA LOCK CNTER
05→
```

3.  Enter in new value via dial keypad
    If entry is valid, system will return to step 2

```
DISA LOCK CNTER
05→02
```

4.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:  ALARM REMINDER COUNTER      5**
**                AUTO REDIAL COUNTER         5**
**                DISA INTERCOM COUNTER       5**
**                DISA LOCK COUNTER           5**
**                NEW CALL COUNTER           99**

**RELATED ITEMS: <u>MMC 501 SYSTEM TIMERS</u>**

# MMC: 501          SYSTEM TIMERS

## DESCRIPTION:

Allows the technician to adjust individual timers as necessary.

NOTE: Certain timers are disabled when the value is "000".

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

**ACTION**

**DISPLAY**

1. Press TRSF 501
   Display shows first timer value

   ```
   AA INT DGT TIME
   05 SEC →
   ```

2. Press UP or DOWN key to select timer and press RIGHT soft key to move cursor

   ```
   KMMC LOCK OUT TM
   30 SEC  →   _
   ```

3. Enter new value using keypad; if valid, system returns to step 2 with new value

   ```
   KMMC LOCK OUT TM
   30 SEC  →  255
   ```

4. Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC


**DEFAULT DATA: SEE TABLE OF TIMERS AND VALUES**

**RELATED ITEMS: NONE**

## MMC: 501

# TIMER TABLE

| TIMER NAME | DEFAULT | RANGE |
|---|---|---|
| ALERT TONE TIMER | 1000 MS | 100–2500 MS |
| ALM REM.INTERVAL | 10 SEC | 1–255 SEC |
| ALM REM.RING OFF | 26 SEC | 1–25 SEC |
| ATT.RECALL TIME | 30 SEC | 1–255 SEC |
| AUTO REDIAL INT. | 30 SEC | 1–255 SEC |
| AUTO REDIAL RLS. | 45 SEC | 1–255 SEC |
| CADENCE CARD TONE INT TIME | 000 SEC | 001–255 SEC |
| CALLBACK NO ANS | 30 SEC | 1–255 SEC |
| CAMP ON RECALL | 30 SEC | 1–255 SEC |
| CID DISPLAY TIME* | 05 SEC | 1–25 SEC |
| CID MSG RECEIVE* | 08 SEC | 1–25 SEC |
| CO–CO DISCONNECT | 20 MIN | 0–255 MIN |
| CONFIRM TONE TM | 1000 MS | 100–2500 MS |
| CRD TONE INT TM | 30 SEC | 001–255 SEC |
| DIAL PASS TIME | 05 SEC | 1–25 SEC |
| DISA DISCONNECT | 30 MIN | 1–255 MIN |
| DISA DTMF DETECT | 000 SEC | 0-255 SEC |
| DISA LOCK OUT/TM | 30 MIN | 1–255 MIN |
| DISA PASS CHECK | 30 MIN | 1–255 MIN |
| DISPLAY DELAY TM | 03 SEC | 1–255 SEC |
| DOOR LOCK RELES. | 500 MS | 100–2500 MS |
| DOOR RING DETECT | 50 MS | 10–250 MS |
| DOOR RING OFF TM | 30 SEC | 1–255 SEC |
| E-HOLD RECALL TM | 45 SEC | 0–255 SEC |
| EXT.FWD DELAY TM | 10 SEC | 1–255 SEC |
| FIRST DIGIT TIME | 10 SEC | 1–255 SEC |
| HOK FLASH MAX TM | 800 MS | 0010–2500MS |
| HOK FLASH MIN TM | 350 MS | 0010–2500MS |
| HOOK OFF TIME | 200 MS | 10–250 MS |
| HOOK ON TIME | 1000 MS | 100–2500 MS |
| INQUIRY RELEASE | 30 SEC | 1–255 SEC |
| INTER DIGIT TIME | 10 SEC | 10–255 SEC |
| KMMC LOCK OUT TM | 30 SEC | 100–255 SEC |
| LCR ADVANCE TIME | 05 SEC | 1–255 SEC |
| LCR INTER DIGIT | 05 SEC | 1–255 SEC |
| OFF HOK RING INT | 15 SEC | 1–255 SEC |
| OFF HOOK SELECT | 05 SEC | 0–255 SEC |
| OHVA ANSWER TIME | 10 SEC | 1–255 SEC |
| PAGE TIME OUT | 20 SEC | 1–255 SEC |
| PAGE TONE TIME | 500 SEC | 100–2500 |
| PARK RCALL TIME | 45 SEC | 0–255 SEC |
| PC-MMC LOCK OUT | 5 MIN | 5–60 MIN |
| POWER DOWN TIME | 2000 MS | 1000–9000 MS |
| RECALL DISCONECT | 45 MIN | 1–255 SEC |
| RECALL WAIT TIME | 15 SEC | 1–255 SEC |
| SMDR START/DP | 30 SEC | 1–255 SEC |

## MMC: 501

| TIMER NAME | DEFAULT | RANGE |
|---|---|---|
| SMDR START/DTMF | 15 SEC | 1–255 SEC |
| SYS HOLD RECALL | 45 SEC | 0–255 SEC |
| TRANSFER RECALL | 15 SEC | 0–255 SEC |

NOTE: Timers marked with an asterisk require optional hardware and/or software.

# TIMER DESCRIPTIONS

**ALERT TONE TIMER**    This timer sets the duration of the attention tone preceding a call to a keyset in the Voice Announce or Auto Answer mode. This tone will also precede a forced Auto Answer call.

**ALM REM INTERVAL**    This timer controls the time length between ring attempts at a station when alarm reminder is set.

**ALM REM RING OFF**    This timer controls the length of the ring cycle duration when alarm reminder is set at a station.

**ATT RECALL TIME**    This is the length of time a transfer recall will ring at a station before recalling the operator.

**AUTO REDIAL INT**    This timer controls the time between attempts after RETRY dialing is set on a station.

**AUTO REDIAL RLS**    This timer controls the duration of a Ring No Answer condition on a retry number dialed before the auto redial is automatically canceled.

**CALLBACK NO ANS**    This timer controls the time before the callback is automatically canceled when a callback detects Ring No Answer.

**CADENCE CARD TONE INT TIME**    This is the call record tone interval time. An entry other than zero will cause a tone to be heard by all the parties in a recorded conversation. The range for the tone is 001 (every second) to 255 (every 255 seconds). A value of 000 means no tone.

**CAMP ON RECALL**    This timer controls the duration of time a camped-on call will stay at a destination before recalling to the transferring station.

**CID DISPLAY TIME**    The amount of time that the Caller ID information remains on the keyset's display.

## MMC: 501

**CID MSG RECEIVE**          The amount of time that the system will allow a valid message from the C.O.

**C.O.-C.O. DISCONNECT**  This timer monitors the duration of a unsupervised conference; when it expires, both trunks are disconnected.

**CONFIRM TONE TIME**     The tone heard when a feature is activated or deactivated.

**CRD TONE INT TM**         This is the call record tone interval time. An entry other than zero will cause a tone to be heard by all the parties in a recorded conversation. The range for the tone is 001 (every second) to 255 (every 255 seconds). A value of 000 means no tone. Requires SVMi-4 card.

**DIAL PASS TIME**           This timer monitors the duration of the time before connecting the transmit of an analog station port to the trunk side of an outgoing call.

**DISA DTMF DETECT**       This timer sets the time duration that DTMF can be received on a DISA line.

**DISA DISCONNECT**        This timer controls the maximum duration of a DISA call.

**DISA LOCK OUT TIMER**  This timer controls the duration of time a DISA call is not allowed to be made after the DISA error counter has expired (MMC 500).

**DISA PASS CHECK**        This timer defines the time period before the system clears the incorrect passcode counter.

**DISPLAY DELAY TIMER**  This timer controls the duration a display is shown in the LCD display. This timer also controls the duration of time that error tone is heard.

**DOOR LOCK RELEASE**   This timer controls the duration of time the door lock relay will be activated.

**DOOR RING DETECT**      This timer controls the duration of time before a call is answered by the door phone.

**DOOR RING OFF TM**      This timer controls the duration of ringing at the door ring destination before automatically canceling.

**E-HOLD RECALL TM**      This timer controls the duration of time a call is held exclusively at a station before recalling.

## MMC: 501

**EXT. FWD DELAY TM**  This timer controls the External Call Forward feature which will allow a station to ring before the call is placed on external call forwarding.

**FIRST DIGIT TIME**  This timer controls how long the system will wait for dialing to begin before dropping the dial tone and returning the user to error tone.

**HOK FLASH MAX TM**  This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (LONGEST DURATION).

**HOK FLASH MIN TM**  This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (SHORTEST DURATION).

**HOOK OFF TIME**  This timer controls the time before dial tone is sent to a single line station.

**HOOK ON TIME**  This timer sets the minimum amount of time that the system will recognize as an SLT hang up.

**INQUIRY RELEASE**  This timer monitors the duration of the interaction of the soft key to determine when to return the LCD back to a normal status. This timer affects only display phones.

**INTER DIGIT TIME**  This timer controls the grace period between dialing valid digits before dropping the call and returning the user back to error tone.

**KMMC DIGIT TIME**  This timer controls the grace period between programming actions while in a programming session. The timer automatically returns the system to secure programming status.

**LCR ADVANCE TIME**  This timer controls the duration of time before selecting the next allowable route when a station is allowed to route advance.

**LCR INTER DIGIT**  This timer controls the grace period between dialing valid digits before dropping the call and returning the user back to error tone.

**OFF HOOK RING**  This timer controls the duration of time between ring bursts to a user who has a camped-on call.

## MMC: 501

**OFF HOOK SELECT**  This timer controls the grace period before placing a internal/external call as programmed in MMCs 306 and 307.

**OHVA ANSWER TIME**  This timer controls the time duration of an OHVA call before automatic rejection.

**PAGE TIME OUT**  This timer controls the duration of an external page announcement.

**PAGE TONE TIME**  This timer controls the duration of tone burst heard over the page prior to the page announcement.

**PARK RECALL TIME**  This timer controls the duration of time a call is parked before recalling to the call park originator.

**PC-MMC LOCK OUT**  This timer monitors the PCMMC activity, drops the link if no action is created by PCMMC and returns the system back to secure program status.

**POWER DOWN TIME**  This timer monitors the power to the ROM pack to begin shutdown status.

**RECALL DISCONNECT**  This is the time an attendant recall will ring before being disconnected.

**RECALL WAIT TIME**  This is the time any recall (hold or transfer) continues to recall at your station before it recalls to the operator.

**SMDR START/DIAL PULSE (ROTARY)**  This grace period timer starts SMDR recording for rotary dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

**SMDR START/DTMF**  This grace period timer starts SMDR recording for touchtone dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

**SYS HOLD RECALL**  This timer determines the time calls can be left on hold before recalling back to the holding station. This is a system-wide timer. Setting timer to 000 will defeat this feature and no recalling will take place.

**TRANSFER RECALL**  This timer determines the time transferred calls ring before recalling. This is a system-wide timer.

# MMC: 502   FORWARD NO ANSWER TIMER

## DESCRIPTION:

Allows the Forward No Answer timer to be changed on a per-station basis or for the entire system.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

**ACTION**                                        **DISPLAY**

1.  Press TRSF 502
    Display shows

    ```
    [201] NO ANS FWD
    010 SEC →_
    ```

2.  Dial station number (e.g., 205)
            OR

    ```
    [205] NO ANS FWD
    010 SEC →_
    ```

    Press UP or DOWN key to select station and
    press RIGHT soft key
            OR
    Press ANS/RLS to select all stations and
    press RIGHT soft key

    ```
    [ALL] NO ANS FWD
    *** SEC →_
    ```

3.  Enter new value via dial keypad (must be
    three digits, e.g., 020)
    System will return to step 2

    ```
    [205] NO ANS FWD
    010 SEC →020
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: TIMER IS SET FOR 15 SECONDS**

**RELATED ITEMS: MMC 102 CALL FORWARD**

## MMC: 503                    TRUNK-WIDE TIMER

## DESCRIPTION:

Allows certain trunk timer values to be changed on a per-trunk basis or for all trunks. It is not advisable to change these values, with the exception of trunk flash time, without assistance from Technical Support.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| ANS/RLS | Used to select ALL |

### ACTION

1. Press TRSF 503
   Display shows

2. Dial trunk number (e.g., 704)
           OR
   Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor
           OR
   Press ANS/RLS to select all trunks  and press RIGHT soft key to move cursor

3. Dial timer number from above list
           OR
   Press UP or DOWN key to select timer and press RIGHT soft key to move cursor

4. Enter new timer value (must be four digits, e.g., 0700)
   System returns to step 2

5. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

### DISPLAY

```
[701] ANS.BAK TM
0600 MS →
```

```
[704] ANS.BAK TM
0600 MS →
```

```
[ALL] ANS.BAK TM
****MS →
```

```
[704] DTMP DUR.
0600 MS →_
```

```
[704] DTMP DUR.
0600 MS →0700
```

## MMC: 503

**DEFAULT DATA: SEE BELOW**

| TIMER NUMBER | TIMER NAME | VALUE | RANGE |
|---|---|---|---|
| 0 | ANS.BAK TM | 600 MSEC | 100–2500 MSEC |
| 1 | CLEARING | 002 SEC | 001–25 SEC |
| 2 | CO SUPV TM | 400 MSEC | 100–2500 MSEC |
| 3 | DTMF DUR. | 100 MSEC | 100–2500 MSEC |
| 4 | F-DGT DELY | 600 MSEC | 100–2500 MSEC |
| 5 | FLASH TIME | 700 MSEC | 100–2500 MSEC |
| 6 | NEW CALL | 2000 MSEC | 100–2500 MSEC |
| 7 | NO RING TM | 004 SEC | 001–255 SEC |
| 8 | PAUSE TIME | 003 SEC | 001–255 SEC |
| 9 | RNG DET.TM | 400 MSEC | 100–2500 MSEC |

**RELATED ITEMS: NONE**

## MMC: 504          PULSE MAKE/BREAK RATIO

## DESCRIPTION:

Allows the ability to change the value of pulses per second and the duration of the make/break time. This will only affect rotary dial trunks.

### FEATURE KEYS

Dial 0     Make/Break Ratio (01–99)
Dial 1     Pulse Per Second (10 or 20)

### PROGRAM KEYS

UP & DOWN          Used to scroll through options
KEYPAD             Used to enter selections
SOFT KEYS          Move cursor left and right
SPK                Used to store data and advance to next MMC

| ACTION | DISPLAY |
|--------|---------|
| 1. Press TRSF 504<br>   Display shows | `MAKE/BREAK RATIO`<br>`33 MAKE→` |
| 2. Dial 0 or 1 for option<br>        OR<br>   Press UP or DOWN key for selection and<br>   press RIGHT soft key to move cursor | `PULSE PER SECOND`<br>`10 PPS →_` |
| 3. Dial new value<br>   System returns to step 2 | `PULSE PER SECOND`<br>`10 PPS →20` |
| 4. Press TRSF to store and exit<br>        OR<br>   Press SPK to store and advance to next MMC | |

**DEFAULT DATA:  MAKE/BREAK = 33**
**              PULSES PER SECOND = 10**

**RELATED ITEMS: MMC 402 TRUNK DIAL TYPE**

# MMC: 505          ASSIGN DATE AND TIME

## DESCRIPTION:

Allows the system date and time to be set. This will set the system-wide clock.

## FEATURE KEYS

| | | |
|---|---|---|
| W | Day | 0–6 (0:SUN, 1:MON, 2:TUE, 3:WED, 4:THU, 5:FRI, 6:SAT) |
| MM | Month | 01–12 |
| DD | Date | 01–31 |
| YY | Year | 00–99 (1990–2089) |
| HH | Hour | 00–23 |
| MM | Minute | 00–59 |

## PROGRAM KEYS

| | |
|---|---|
| KEYPAD | Used to enter selections |
| SPK | Used to store data and advance to next MMC |

## ACTION                                                DISPLAY

1. Press TRSF 505
   Display shows

   ```
   OLD:6010184:0047
   NEW:WMMDDYY:HHMM
   ```

2. Enter new time and date using above table
   System returns to step 2

   ```
   OLD:6010184:0047
   NEW:3020994:1445
   ```

3. Verify time and date
   Reenter if necessary

   ```
   OLD:3020994:1445
   NEW:WMMDDYY:HHMM
   ```

4. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC


**DEFAULT DATA: SAT 01 JAN 12:00**

**RELATED ITEMS: NONE**

# MMC: 506                          TONE CADENCE

## DESCRIPTION:

Provides the ability to customize the tone cadence on a system-wide basis. There are ten tone cadences available. The tone control of the cadence may be changed from interrupt tone to continuous tone. Please call Technical Support before changing any cadences as some systems may require default settings.

## FEATURE KEYS

OPTIONS KEYS

0   CONTINUOUS TONE
1   INTERRUPT TONE

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

### LIST OF TONES

| | | | |
|---|---|---|---|
| 0 | **BUSY TONE** | 5 | **HOLD/CAMPON** |
| 1 | **CONFM/BARGE** | 6 | **MSGWAT TONE** |
| 2 | **DIAL TONE** | 7 | **RGBACK TONE** |
| 3 | **DND/NO MORE** | 8 | **RING TONE** |
| 4 | **ERROR TONE** | 9 | **TRSFER TONE** |

ACTION                                          DISPLAY

1. Press TRSF 506
   Display shows

```
BUSY TONE
CONTINUOUS TONE
```

2. Dial tone number from above list (0–9, e.g., 9)
        OR
   Press UP or DOWN key to select tone, press
   LEFT soft key and advance to step 3

```
TRSFER TONE
INTERRUPT TONE
```

## MMC: 506

3.  Dial tone option 0 for CONTINUOUS or
    1 for INTERRUPT
            OR
    Press UP or DOWN key to select tone
    control and press RIGHT soft key to advance
    to step 4
            OR
    Press LEFT soft key to return to step 2

```
TRSFER TONE
INTERRUPT TONE
```

4.  Dial new value for interrupt times (must be
    four digits)
    Press RIGHT soft key advances cursor
    Press LEFT soft key retreats cursor
    If valid entry, system returns to step 2

```
TRSFER TONE:0100
9900 0100 9900
```

5.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: SEE BELOW**

|   | TONE | ON | OFF | ON | OFF |
|---|------|----|----|----|----|
| 0 | BUSY TONE | 500 | 500 | 500 | 500 |
| 1 | CONFIRM/BARGE-IN TONE | 500 | 500 | 500 | 500 |
| 2 | DIAL TONE | 1000 | 250 | 1000 | 250 |
| 3 | DND/NO MORE TONE | 500 | 1000 | 500 | 1000 |
| 4 | ERROR TONE | 500 | 250 | 500 | 250 |
| 5 | HOLD/CAMP-ON TONE | 1000 | 250 | 1000 | 250 |
| 6 | MESSAGE WAIT TONE | 1000 | 250 | 1000 | 250 |
| 7 | RING BACK TONE | 1000 | 3000 | 1000 | 3000 |
| 8 | RING TONE | 1000 | 500 | 1000 | 500 |
| 9 | TRANSFER TONE | 100 | 100 | 100 | 100 |

NOTE: All times are in milliseconds.

**RELATED ITEMS: NONE**

# MMC: 507          ASSIGN AUTO NIGHT TIME

## DESCRIPTION:

Use this MMC to program Auto Night settings. A NIGHT key is not needed as the system will switch automatically; however, it is helpful to have a dedicated button so the status can be manually changed.  The start time is the time the system will switch from day to night service. The end time is the time the system will switch from night service to day service.(e.g., start 17:00 Wednesday and end at 08:00 Thursday).

Use the following  example of Auto Night Time service:

| | | | |
|---|---|---|---|
| Mon End= | 08:30 | Mon Start= | 17:00 |
| Tue End= | 08:30 | Tue Start= | 17:00 |
| Wed End= | 08:30 | Wed | 17:00 |
| Thur End= | 08:30 | Thur | 17:00 |
| Fri End= | 08:30 | Fri Start= | 17:30 |
| Sat End= | 00:00 | Sat Start= | 00:00 |
| Sun End= | 00:00 | Sun Start= | 00:00 |

Using a 24 hour clock in the example above notice that the END time is within the same 24 hour period.  The system will stay in NIGHT from the previous day until the end time which is 08:30.  Monday starts the night time at 17:00.  The system will stay in night until it reaches the end time which is Tuesday ( the next 24 hour period) at 08:30.  Each day starts at 00:00 and  ends at 24:00

## FEATURE KEYS

| | | | |
|---|---|---|---|
| 0 | SUN | 4 | THU |
| 1 | MON | 5 | FRI |
| 2 | TUE | 6 | SAT |
| 3 | WED | | |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

## MMC: 507

**ACTION**                                            **DISPLAY**

1.  Press TRSF 507
    Display shows

    ```
    NIGHT TIME (SUN)
    ST:0000 END:0000
    ```

2.  Dial day number (0–6, e.g., 3)
            OR
    Press UP or DOWN key to select day
    Press RIGHT soft key to advance cursor to
    step 3

    ```
    NIGHT TIME (WED)
    ST:0000 END:0000
    ```

3.  Dial start time for night, e.g., 1730
    If valid, cursor moves to end time
    Enter end time
    If valid, system returns to step 2
    Begin again

    ```
    NIGHT TIME (WED)
    ST:1730 END:0800
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:  START 0000**
**                END 0000**


**RELATED ITEMS:  MMC 722 STATION KEY PROGRAMMING**
**                MMC 723 SYSTEM KEY PROGRAMMING**

## MMC: 600          ASSIGN OPERATOR GROUP

## DESCRIPTION:

Used to assign members to the operator group. There are several options that can be selected for ringing, overflow, group transfer and overflow destination. There are a maximum of eighty (80) members allowed in one group. The operator group is automatically assigned group number 500.

**FEATURE KEYS**

| | | |
|---|---|---|
| 0 | RING | Ring mode |
| 1 | OVERFLOW | Overflow time |
| 2 | GRP TRSF | Group transfer time |
| 3 | NEXT PORT | Overflow port |
| 4 | MEMBER | Group member (e.g., station 202) |

**RING MODES**

0   SEQUENTIAL    The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.

1   DISTRIBUTE    The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.

2   UNCONDITION   All the stations listed in the group will ring. Busy stations will receive off-hook ring (MAX 32 STATIONS RINGING).

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                    **DISPLAY**

1. Press TRSF 600
   Display shows

```
[500] OPER.GROUP
RING:UNCONDITION
```

**MMC: 600**

2.  Dial feature option (0–4, e.g., 3)
        OR
    Press RIGHT soft key to select option and
    move cursor to next step

```
[500]  OPER.GROUP
NEXT  PORT:NONE
```

3.  Press RIGHT soft key to move cursor

```
[500]  OPER.GROUP
NEXT  PORT:NONE
```

4.  Dial in value for port (e.g., 205)
    If valid entry, system returns to step 2

```
[500]  OPER.GROUP
NEXT  PORT:205
```

5.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:  RING MODE          NONE**
**OVERFLOW TIME   000 SEC**
**GRP TRSF TIME   000 SEC**
**NEXT PORT       NONE**
**GROUP MEMBER    MEMBER 01:201**
**OTHER MEMBER    NONE**


**RELATED ITEMS:  MMC 211 DOOR RING ASSIGNMENT**
**MMC 406 TRUNK RINGING ASSIGNMENT**
**MMC 601 ASSIGN STATION GROUP**
**MMC 602 STATION GROUP NAME**

# MMC: 601          ASSIGN STATION GROUP

## DESCRIPTION:

This MMC is used to build all station groups except the operator group (for the operator group see MMC 600).

The options for setting up these groups are as follows; A thru G.

**A. TYPE:** This is the type of group you are creating and can be one of the following:

1. **NORMAL:** Used to assign stations in a ring group. The members can be stations, common bell contacts or Ring over Page relays.

2. **VMAA:** Used to group a number of voice mail port extensions. These must have been defined in MMC 207 as VMAA ports or they cannot be entered here. Check all programming in MMC 726 to ensure that the In band DTMF codes are properly set.

3. **SVMi-4:** This is the voice mail group for the built in Samsung Voice Mail card. When an SVMi-4 card is installed, group 529 is created as a CADENCE group. The SVMi-4 must use 529.

4. **UCD:** Used to build a UCD group. A UCD group works as follows:

   The group NEXT destination (see below) is defined as an SLT port to which you must connect some type of announcement device to play to callers while they are on hold.

   Please note that this type of UCD group has the following limitations:

   a) The announcement device must be able to terminate the announ-cement with a hook flash and a transfer back to the UCD group.

   b) Only one caller at a time can hear the announcement.

   c) Each caller connected to the announcement must hear the announ-cement in its entirety.

   d) It is possible that a new caller may "jump ahead" in the queue if a previous caller is currently connected to the announcement device.

**B. RING MODE:** Each group can have one of the following ring modes. This will decide how calls are placed to the group.

**MMC: 601**

1. **SEQUENTIAL:** The stations listed as "members" (see below) will be called on a first available basis. Calls will first go to the first member, if the first member is busy, calls will go to the second member, if the first member is busy, calls will go to the second member etc. This type of group is useful for placing the bulk of the incoming calls to a selected individual, with other members only getting the calls when the first member is busy.

2. **DISTRIBUTED:** The first call will go to the first member, the second call will go to the second member, the third call will go to the third member. This type of group is useful for evenly distributing the call among all group members.

3. **UNCONDITIONAL:** Calls are placed to all group members simultaneously. If a group member is busy, the can receive off hook ring if defined in MMC 300. This ring mode option is not available for UCD or VMAA groups.

C. **OVERFLOW:** This is a timer value that will cause unanswered calls to a group to begin also ringing the NEXT PORT ( see below) after this timer has elapsed. If set to 000, no overflow will take place.

D. **GRP TRANSFER:** This is a timer that will determine how long C.O. calls transferred to the group will ring there before recalling. If set to 000, no recall will take place.

E. **NEXT PORT:** This is the station or group number that callers will also ring at if the OVERFLOW feature has been programmed. The NEXT port can be defined as:

1. **COMMON BELL** ( DN # 363 - 365).

2. **RING OVER PAGE** ( DN # 361 - 365).

F. **MEMBER:** List all members that are to be in the group. Up to 32 members are allowed in each group, but stations can be assigned to multiple station groups.

G. **WRAP UP:** This is only available for UCD groups, and will make a UCD agent unavailable to receive additional UCD calls after hanging up from the last one. This is to allow agents to complete work associated with the previous call before the next call begins ringing.

**NOTES:** When a group is called, or a caller is transferred to a group, ringback is sent to the caller. A busy signal will not be returned even if all group members are busy. Obviously UCD is an exception to this rule.

## MMC: 601

Calls to a group do not follow the call forwarding instructions of any stations in the group.

## FEATURE KEYS

| | | |
|---|---|---|
| 0 | TYPE | Group type (Normal, VM/AA, UCD, CADENCE) |
| 1 | RING | Ring mode (Sequential, distributed or unconditional) |
| 2 | OVERFLOW | Overflow time (000 - 250 secs.) |
| 3 | GRP TRSF | Group transfer time (000 - 250 secs.) |
| 4 | WRAP-UP | Wrap-up time (timer only valid in type = UCD) |
| 5 | NEXT PORT | Overflow port (Any station, common bell or ring over page) |
| 6 | MEMBER | Group members (e.g., station 202, 225, 231) |

## RING MODES

0   SEQUENTIAL    The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.

1   DISTRIBUTED   The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.

2   UNCONDITIONAL   All the stations listed in the group will ring. Busy stations will receive off-hook ring. MAXIMUM 32 STATIONS RINGING.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

## ACTION                                          DISPLAY

1.  Press TRSF 601
    Display shows

```
[501] STN.GROUP
TYPE:NORMAL GRP
```

## MMC: 601

2.  Dial group number (e.g., 505)
        OR
    Press UP or DOWN key to select group
    Press LEFT soft key to move cursor to type
    of group and DIAL group type (0–2, e.g., 1)
        OR
    Press UP or DOWN key to make selection
    Press LEFT soft key to move cursor to TYPE

```
[505] STN.GROUP
TYPE:NORMAL GRP
```

```
[505] STN GROUP
TYPE:VMAA
```

3.  Dial feature option number (0–6, e.g., 0)
        OR
    Press UP or DOWN key to make selection
    Press RIGHT soft key to move cursor to
    ring value

```
[505] STN GROUP
RING:SEQENTIAL
```

4.  Dial ring option (0–2, e.g., 1)
        OR
    Press UP or DOWN key to make selection
    Press LEFT soft key to move cursor
    back to RING or press RIGHT soft key to
    return to step 2

```
[505] STN GROUP
RING:DISTRIBUTE
```

5.  Dial next feature option and continue
        OR
    Press UP or DOWN key to select option
        OR
    Press LEFT soft key to return to step 2

```
[505] STN GROUP
RING:DISTRIBUTE
```

6.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NORMAL GROUP**

**RELATED ITEMS:**   MMC 203 ASSIGN UA DEVICE
                     MMC 204 COMMON BELL CONTROL

# MMC: 602                STATION GROUP NAME

## DESCRIPTION:

Allows the system administrator or technician to enter a character name to identify an individual station group. There are ten characters for Version 1 software and 11 characters for Version 2 software.

Names are written using the keypad. Each press of a key will select a character. Pressing the next key will move the cursor to the next position. For example, if the directory name is "SAMSUNG," press the number "7" three times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key will change the letter from upper case to lower case.

NOTE: When the character that you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right or the DOWN key to move the cursor left.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✽ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✽ | : | = | [ | ] | ✽ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 602

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✷ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✷ | : | = | [ | ] | ✷ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                   **DISPLAY**

1. Press TRSF 602
   Display shows

   `[501] SGR NAME`

2. Dial group number (e.g., 505)
          OR
   Press UP or DOWN key to make selection
   Press LEFT or RIGHT soft key to move cursor

   `[505] SGR NAME`

3. Enter name using above method and table

   `[505] SGR NAME`
   `SAMSUNG`

**MMC: 602**

4.  Press LEFT or RIGHT soft key to return to step 2
            OR
    Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS:**   **MMC 104 STATION NAME**
                           **MMC 404 TRUNK NAME**
                           **MMC 600 ASSIGN OPERATOR GROUP**
                           **MMC 601 ASSIGN STATION GROUP**

## MMC: 603          ASSIGN TRUNK GROUP

## DESCRIPTION:

Allows the assignment of trunks to a specific trunk group or to several trunk groups. This is very useful in the programming of LCR when more than one trunk is to be in several dialing plans. There are two different modes of operation: (1) sequential and (2) distribute.

> **WARNING**: As stated above, one trunk can appear in more than one trunk group. If necessary, delete the trunk member from other groups to prevent accidental access.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

### DISPLAY

1. Press TRSF 603
   Display shows

   ```
   [9]   TRK GROUP
   MODE:SEQUENTIAL
   ```

2. Enter valid trunk group (e.g., 9, 80–89)
        OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to advance cursor

   ```
   [81]  TRK GROUP
   MODE:SEQUENTIAL
   ```

3. Press RIGHT soft key to change mode
        OR
   Press UP or DOWN key to change mode to
   member

   ```
   [81]  TRK GROUP
   MEMBER 01:NONE
   ```

## MMC: 603

4. Press RIGHT soft key to move cursor to number of member and enter valid member number (1–80, e.g., 05) via dial keypad
        OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor

```
[81]     TRK GROUP
MEMBER 05:NONE
```

5. Enter valid trunk number (e.g., 729)
        OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2

```
[81]     TRK GROUP
MEMBER 01:729
```

6. Repeat steps 1–6 to remove trunk from group 9 if necessary

7. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC


**DEFAULT DATA: ALL TRUNKS ARE IN TRUNK GROUP 9**

**RELATED ITEMS:  LCR PROGRAMMING**
**                 TENANT PROGRAMMING**

## MMC: 604          ASSIGN STATION TO PAGE ZONE

## DESCRIPTION:

Allows the technician to assign a keyset to any of the four internal paging zones and all page (page + ✳). The total number of keysets that can receive a page is limited to 80. A keyset may be assigned to more than one zone.

The assignment is controlled by the use of class marks. If a keyset is flagged as "1" in a zone column, it will receive pages for that zone. If the keyset is flagged as "0," it will not receive pages for that zone. Keysets can receive pages for more than one zone.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear entry |

**ACTION**

**DISPLAY**

1. Press TRSF 604
   Display shows

   ```
   ENTRY:STN :1234*
     01:NONE:00001
   ```

2. Enter index number (01–80, e.g., 05)
   via dial keypad
           OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

   ```
   ENTRY:STN :1234*
     05:NONE:00001
   ```

3. Enter station number (e.g., 205) via dial
   keypad
           OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

   ```
   ENTRY:STN :1234*
     05:205 :00001
   ```

4. Move cursor under page zone desired by
   pressing UP or DOWN key, enter the digit
   1 under zone and press RIGHT soft key to
   return to step 2 to continue with entries

   ```
   ENTRY:STN :1234*
     05:205 :01001
   ```

## MMC: 604

5.  Press TRSF to store and exit
            OR
      Press SPK to store and advance to next MMC


**DEFAULT DATA:  NO STATIONS ASSIGNED
                          ALL ZONE IS SET**

**RELATED ITEMS: NONE**

## MMC: 605                     ASSIGN EXTERNAL PAGE ZONE

## DESCRIPTION:

This MMC is used to define the members of each external page zone. Each zone must contain the audio circuit (360) as a member to and however many of the MISC card relays (361 to 364) as required to receive an audio output. If 360 is not assigned as a member only a contact closure will occur when that page zone is accessed. When they are assigned these members (audio circuit and relays) will operate in unison to perform a page. A page zone can have up to 5 members and each member (audio circuit or relay) can be in multiple zones.

**NOTE:** The system will only have page relays if a MISC card is installed. If a MISC board is not installed, only the audio circuit (360) can be assigned as a page zone member.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### ACTION

### DISPLAY

1. Press TRSF 605
   Display shows first external page zone

```
EXT.PAGE ZONE:(5)
MEMBER 01:NONE
```

2. Dial page zone number (e.g., 6)
         OR
   Use UP or DOWN to select desired page zone numbers and use press RIGHT soft key to move the cursor

```
EXT.PAGE ZONE:(6)
MEMBER 01:NONE
```

3. Dial member number (e.g., 05)
         OR
   Use UP or DOWN to select member numbers and use the RIGHT soft key to move the cursor
         OR
   Press the LEFT soft key to return to step 2 above

```
EXT.PAGE ZONE:(6)
MEMBER 05:
```

## MMC: 605

4.  Enter member via dial keypad (e.g., 362)
    and press RIGHT soft key to return to step 2
            OR
    Use UP or DOWN to select member numbers
    and use the RIGHT soft key to move the cursor
            OR
    Press LEFT soft key to return to step 3 above

```
EXT.PAGE ZONE:(6)
MEMBER 05:362
```

5.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:   NONE**

**RELATED ITEMS:  NONE**

# MMC: 606 ASSIGN SPEED BLOCK

## DESCRIPTION:

Provides a means of adding or deleting speed dial blocks to the system or an individual keyset. With the ability to delete a block or blocks or speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or stations that do not require the ability to use speed dial. The Free List will show how many bins are left to be assigned.

A library of up to 1500 speed dial numbers may be allocated as needed. RAM Pack 1 provides 500 speed dial numbers. RAM Pack 2 and Caller ID software provide 1500 speed dial numbers. The system list can have up to 500 numbers and each station can have up to 50 numbers. Speed dial numbers are assigned in blocks of ten. Each speed number may contain up to 18 digits.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |
| HOLD | Used to clear entry |
| TRSF | Used to exit programming |

### ACTION

### DISPLAY

1. Press TRSF 606
   Display shows

   ```
   FREE LIST:60
   SYSTEM:20
   ```

2. Press RIGHT soft key to advance to next line

   ```
   FREE LIST:60
   SYSTEM:20
   ```

3. Make a selection of SYSTEM or EXT
   using UP or DOWN key
   Press RIGHT soft key to advance cursor

   ```
   FREE LIST:60
   EXT201:1
   ```

4. Enter desired extension number via dial
   keypad (e.g., 205)
        OR
   Press UP or DOWN key to make selection and
   press RIGHT soft key to advance cursor

   ```
   FREE LIST:60
   EXT205:1
   ```

## MMC: 606

5.  Enter valid number for bins (e.g., 0–5 for EXT
    or 00–50 for SYSTEM)
            OR
    Press UP or DOWN key to make selection
            OR
    Press HOLD key to delete bin(s)

```
BUSY LIST:60
EXT205:5
```

6.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:  SYSTEM: 200 ENTRIES
                 STATIONS: ONE BIN OF TEN ENTRIES**

**RELATED ITEMS:  MMC 705 ASSIGN SYSTEM SPEED DIAL
                  MMC 706 SYSTEM SPEED DIAL BY NAME**

# MMC: 608                ASSIGN REVIEW BLOCK

## DESCRIPTION:

NOTE: This MMC only applies to systems with Caller ID software.

Provides a means of adding or deleting Caller ID review blocks to an individual keyset. With the ability to add or delete blocks, it will not be necessary to waste these on non-display keysets. The free list will show how many bins are left to be assigned. The system automatically assigns ten bins to each keyset. Each keyset may be assigned a maximum of 50 bins.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |
| HOLD | Used to clear entry |
| TRSF | To exit programming |

**ACTION**                                              **DISPLAY**

1. Press TRSF 608
   Display shows first station

   ```
   [201]  REVW BLOCK
    10 : 840 FREE
   ```

2. Enter desired extension (e.g., 205)
         OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to advance cursor

   ```
   [205]  REVW BLOCK
    10 : 840 FREE
   ```

3. Enter valid number for bins (e.g., 5 )
         OR
   Press UP or DOWN key to make selection
         OR
   Press HOLD key to delete bin(s)

   ```
   [205]  REVW BLOCK
    50 : 800 FREE
   ```

4. Press TRSF to store and exit
         OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA:  ALL KEYSETS: ONE BLOCK OF TEN BINS**

**RELATED ITEMS:  NONE**

# MMC: 700 COPY COS CONTENTS

## DESCRIPTION:

Provides the flexibility so that the technician can create a copy of a selected class of service or create another class of service options easily without the interruption of an existing class of service.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| "F" KEY | Used to advance to MMC 701 |

| ACTION | DISPLAY |
|---|---|

1. Press TRSF 700
   Display shows

   ```
   COPY COS ITEMS
   COS 01→COS 01
   ```

2. Dial selected COS to copy (e.g., 05)
          OR
   Press UP or DOWN key to select COS and press RIGHT soft key to move cursor and advance to next step

   ```
   COPY COS ITEMS
   COS 05→COS 01
   ```

3. Dial target COS (e.g., 06)
          OR
   Press UP or DOWN key to select COS
   Press RIGHT soft key to move cursor back to step 2

   ```
   COPY COS ITEMS
   COS 05→COS 06
   ```

4. Press F key to advance to MMC 701 and press RIGHT soft to advance cursor

   ```
   COS CONTENTS(06)
   TOLL LEVEL:A
   ```

5. Press TRSF to store and exit
          OR
   Press SPK to save and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS**

# MMC: 701          ASSIGN COS CONTENTS

## DESCRIPTION:

Similar to MMC 700 but does not allow a copy command. This MMC is primarily used for creating a new class of service. If the unsupervised conference feature is allowed, a programmed CONF key must be available to allow reentry into a conference call.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

## TOLL LEVEL OPTIONS

| DIAL DIGIT | TOLL LEVEL | DIAL DIGIT | TOLL LEVEL |
|:---:|:---:|:---:|:---:|
| 0 | A | 4 | E |
| 1 | B | 5 | F |
| 2 | C | 6 | G |
| 3 | D | 7 | H |

| ACTION | DISPLAY |
|---|---|
| 1. Press TRSF 701<br>    Display shows | `COS CONTENTS(01)`<br>`TOLL LEVEL:A` |
| 2. Dial COS (e.g., 06)<br>              OR<br>    Press UP or DOWN key to select COS<br>    Press RIGHT soft key to move cursor to toll level | `COS CONTENTS(06)`<br>`TOLL LEVEL:A` |
| 3. Dial toll level (e.g., 2—see above list)<br>              OR<br>    Press UP or DOWN to select new TOLL level<br>              OR<br>    Press RIGHT soft key to advance to<br>    COS options | `COS CONTENTS(06)`<br>`TOLL LEVEL:C` |

## MMC: 701

4.  Dial COS option (e.g., 09—see Caller ID
    option list or Basic option list)
            OR
    Press UP or DOWN key to select option
    Press RIGHT soft key to move cursor

```
COS CONTENTS(06)
09:DND        :YES
```

5.  Dial 0 for NO or 1 for YES
            OR
    Press UP or DOWN key to select option
    Press LEFT soft key to return to step 4
    Press RIGHT soft key to return to step 2

```
COS CONTENTS(06)
09:DND        : NO
```

6.  Press F key to enter MMC 700 if copy
    of COS to another COS is required
    Refer to MMC 700 for copying

```
COPY COS ITMES
COS 01→COS 10
```

7.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

### Table A. COS Feature List by Option Number

| Basic | CID | LCD Display | COS Option |
|-------|-----|-------------|------------|
| 01 | 01 | AA CALER | Auto answer control by caller* |
| 02 | 02 | ALM CLR | Alarm sensor ring answer |
| 03 | 03 | AUTO RDL | Retry on busy |
| 04 | 04 | CALLBACK | Callback |
| — | 05 | CID ABND | Caller ID Abandon* |
| — | 06 | CID INQR | Caller ID Inquire* |
| — | 07 | CID INVT | Caller ID Investigate* |
| 05 | 08 | CONFER | Conference |
| 06 | 09 | DALM CLR | DISA alarm ring clear |
| 07 | 10 | DAY/NIGH | Change day/night mode |
| 08 | 11 | DIRECT | Directory dial |
| 09 | 12 | DISA | Allow DISA use |
| 10 | 13 | DND | Do Not Disturb |
| 11 | 14 | DOOR | Door ring answer |
| 12 | 15 | DSS | Direct station select |
| 13 | 16 | DTS | Direct trunk select |
| 14 | 17 | EXT FWD | External call forward |
| 15 | 18 | FEATURE | Feature key |
| 16 | 19 | FLASH | Trunk flash |
| 17 | 20 | FOLOW-ME | Call forward-follow me |
| 18 | 21 | FORWARD | Forward |
| 19 | 22 | GRP I/O | Group in/out |

## MMC: 701

### Table A. COS Feature List by Option Number

| Basic | CID | LCD Display | COS Option |
|-------|-----|-------------|------------|
| 20 | 23 | HOLD | Hold |
| 21 | 24 | HOT LINE | Hot line |
| 22 | 25 | INTERCOM | Intercom call |
| 23 | 26 | MESSAGE | Message |
| 24 | 27 | MM PAGE | Meet me page |
| 25 | 28 | NEW CALL | New call |
| 26 | 29 | OHVAED | Ohvaed |
| 27 | 30 | OHVAING | Ohvaing |
| 28 | 31 | ONEA2 | 1A2 emulation |
| 29 | 32 | OPERATOR | Operator |
| 30 | 33 | OUT TRSF | Outgoing transfer |
| 31 | 34 | OVERRIDE | Overide |
| 32 | 35 | PAGE 0 | Page zone 0 PAGING |
| 33 | 36 | PAGE 1 | Page zone 1 PAGING |
| 34 | 37 | PAGE 2 | Page zone 2 PAGING |
| 35 | 38 | PAGE 3 | Page zone 3 PAGING |
| 36 | 39 | PAGE 4 | Page zone 4 PAGING |
| 37 | 40 | PAGE 5 | Page zone 5 PAGING |
| 38 | 41 | PAGE 6 | Page zone 6 PAGING |
| 39 | 42 | PAGE 7 | Page zone 7 PAGING |
| 40 | 43 | PAGE 8 | Page zone 8 PAGING |
| 41 | 44 | PAGE 9 | Page zone 9 PAGING |
| 42 | 45 | PAGE ✷ | Page zone ✷ PAGING |
| 43 | 46 | PICKUP | Call pickup |
| 44 | 47 | SECURE | Override secure |
| 45 | 48 | SSPD TOL | System speed dial toll check |
| 46 | 49 | STN LOCK | Station locking |
| 47 | 50 | STNGRP 01 | Station group 01 calling |
| 48 | 51 | STNGRP 02 | Station group 02 calling |
| 49 | 52 | STNGRP 03 | Station group 03 calling |
| 50 | 53 | STNGRP 04 | Station group 04 calling |
| 51 | 54 | STNGRP 05 | Station group 05 calling |
| 52 | 55 | STNGRP 06 | Station group 06 calling |
| 53 | 56 | STNGRP 07 | Station group 07 calling |
| 54 | 57 | STNGRP 08 | Station group 08 calling |
| 55 | 58 | STNGRP 09 | Station group 09 calling |
| 56 | 59 | STNGRP 10 | Station group 10 calling |
| 57 | 60 | STNGRP 11 | Station group 11 calling |
| 58 | 61 | STNGRP 12 | Station group 12 calling |
| 59 | 62 | STNGRP 13 | Station group 13 calling |
| 60 | 63 | STNGRP 14 | Station group 14 calling |
| 61 | 64 | STNGRP 15 | Station group 15 callling |

## MMC: 701

### Table A. COS Feature List by Option Number

| Basic | CID | LCD Display | COS Option |
|---|---|---|---|
| 62 | 65 | STNGRP 16 | Station group 16 calling |
| 63 | 66 | STNGRP 17 | Station group 17 calling |
| 64 | 67 | STNGRP 18 | Station group 18 calling |
| 65 | 68 | STNGRP 19 | Station group 19 calling |
| 66 | 69 | STNGRP 20 | Station group 20 calling |
| 67 | 70 | STNGRP 21 | Station group 21 calling |
| 68 | 71 | STNGRP 22 | Station group 22 calling |
| 69 | 72 | STNGRP 23 | Station group 23 calling |
| 70 | 73 | STNGRP 24 | Station group 24 calling |
| 71 | 74 | STNGRP 25 | Station group 25 calling |
| 72 | 75 | STNGRP 26 | Station group 26 calling |
| 73 | 76 | STNGRP 27 | Station group 27 calling |
| 74 | 77 | STNGRP 28 | Station group 28 calling |
| 75 | 78 | STNGRP 29 | Station group 29 calling |
| 76 | 79 | STNGRP 30 | Station group 30 calling |
| 77 | 80 | SYS SPD | System speed dial |
| 78 | 81 | TRKGRP01 | Trunk group 01 calling |
| 79 | 82 | TRKGRP02 | Trunk group 02 calling |
| 80 | 83 | TRKGRP03 | Trunk group 03 calling |
| 81 | 84 | TRKGRP04 | Trunk group 04 calling |
| 82 | 85 | TRKGRP05 | Trunk group 05 calling |
| 83 | 86 | TRKGRP06 | Trunk group 06 calling |
| 84 | 87 | TRKGRP07 | Trunk group 07 calling |
| 85 | 88 | TRKGRP08 | Trunk group 08 calling |
| 86 | 89 | TRKGRP09 | Trunk group 09 calling |
| 87 | 90 | TRKGRP10 | Trunk group 10 calling |
| 88 | 91 | TRKGRP11 | Trunk group 11 calling |
| 89 | 92 | UNCO CNF | CO to CO conference |
| 90 | 93 | VMS AREC | Auto Record |
| 91 | 94 | VMS AME | Answer Machine Emulator |
| 92 | 95 | VMS REC | VM Message Record |
| 93 | 96 | VMSSTN01 | CADENCE Port 01 calling |
| 94 | 97 | VMSSTN02 | CADENCE Port 02 calling |
| 95 | 98 | VMSSTN03 | CADENCE Port 03 calling |
| 96 | 99 | VMSSTN04 | CADENCE Port 04 calling |
| 97 | A0 | VMSSTN05 | CADENCE Port 05 calling |
| 98 | A1 | VMSSTN06 | CADENCE Port 06 calling |
| 99 | A2 | VMSSTN07 | CADENCE Port 07 calling |
| A0 | A3 | VMSSTN08 | CADENCE Port 08 calling |

## MMC: 701

**DEFAULT DATA: ALL VALUES YES EXCEPT 32, 92 AND 93**

**RELATED ITEMS:**  **MMC 700 COPY COS CONTENTS**
**MMC 702 TOLL DENY TABLE**
**MMC 703 TOLL ALLOWANCE TABLE**
**TOLL RESTRICTION**
**SVMi-4 CARD**

# TOLL RESTRICTION OVERVIEW

The PROSTAR DCS COMPACT allows each station to be assigned a class of service for use in the day mode and a class of service for use in the night mode. This class of service determines the station's dialing class which can be set to A through H. Class A has no restrictions and Class H is restricted to internal calls only. Classes B, C, D, E, F and G are controlled by the entries listed in the deny table in MMC 702, the allow table in MMC 703 and the wild cards defined in MMC 704.

## TOLL RESTRICTION RULES

1. The deny entries prevent certain numbers from being dialed. The allow entries are *only* exceptions to these deny entries.
2. Listing numbers in the allow tables without any entries in the deny tables is the same as having no restriction.
3. A wild card in any position in the deny table means that an exception exists in the allow table for the digits defined by the wild card.
4. A wild card at the end of any allow entry means that more digits may be dialed.
5. Do not put a single wild card as an entry in the allow table.
6. When changing any entry or BCDEFG status, you must enter all digits.

The flexibility of this system can accommodate areas using 1 + dialing, areas that do not require the digit 1, interchangeable office codes and is ready for any future changes in the North American Dialing Plan such as four digit area codes. The following examples are provided as an aid to help understand how to use the deny and allow tables.

## EXAMPLE 1

This system is installed in an area where seven digits is a free call, 1 + seven digits is a toll call within that area code and 1 + ten digits is a call to another area code. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

- Phones with dialing class B can dial 1 + seven digits and local calls.
- All classes (B, C, D, E, F and G) are restricted (denied) from dialing 0 + calls and all 976 calls.
- Classes B and D are restricted from dialing 1 + any area code + seven digits.
- Classes C and E can dial all area codes.
- All classes can dial 1-800 calls.

## TOLL RESTRICTION OVERVIEW

| TOLL DENY TABLE | | |
|---|---|---|
| ENTRY | DIGITS | BCDEFG |
| 001 | 0 | 111111 |
| 002 | 1X0 | 101011 |
| 003 | 1X1 | 101011 |
| 004 | 976 | 111111 |
| 005 | 1976 | 111111 |
| 006 | 1XXX976 | 111111 |

| TOLL ALLOW TABLE | | |
|---|---|---|
| ENTRY | DIGITS | BCDEFG |
| 0001 | 1800X | 111111 |

| WILD CARD | 0 1 2 3 4 5 6 7 8 9 ✱ # |
|---|---|
| X | 1 1 1 1 1 1 1 1 1 1 0 0 |
| Y | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Z | 0 0 0 0 0 0 0 0 0 0 0 0 |

**EXAMPLE 2**

This system is installed in an area where seven digits is a free call, 1 + seven digits is a toll call within that area code and 1 + ten digits is a call to another area code. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

● All classes (B, C, D, E, F and G) are restricted from dialing 411 calls, 976 calls, 1-900 calls and 0 + calls.
● Only Class B phones can dial 1-800 numbers.
● Class C phones can only dial local calls, 1 + seven digits and numbers in area code 212.
● Class E phones can only dial 911.

## TOLL RESTRICTION OVERVIEW

| TOLL DENY TABLE | | |
| --- | --- | --- |
| ENTRY | DIGITS | BCDEFG |
| 001 | 976 | 111111 |
| 002 | 1976 | 111111 |
| 003 | 1XXX976 | 111111 |
| 004 | 1900 | 111111 |
| 005 | 1X1X | 010000 |
| 006 | 1X0 | 010000 |
| 007 | 0 | 111111 |
| 008 | 411 | 111111 |
| 009 | 1800 | 011111 |
| 010 | X | 000100 |

| TOLL ALLOW TABLE | | |
| --- | --- | --- |
| ENTRY | DIGITS | BCDEFG |
| 001 | 1212X | 010000 |
| 002 | 911 | 000100 |

| WILD CARD | 0 1 2 3 4 5 6 7 8 9 ✶ # |
| --- | --- |
| X | 1 1 1 1 1 1 1 1 1 1 0 0 |
| Y | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Z | 0 0 0 0 0 0 0 0 0 0 0 0 |

**EXAMPLE 3**

This system is installed in an area where seven digits is a free call, 1 + seven digits is a toll call within that area code and 1 + ten digits is a call to another area code. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

Class B phones are in a national telemarketing group that cannot dial numbers in its own area code (305) but is allowed calls to all other area codes. 1-800 calls are allowed and 1-900 calls are not.

## TOLL RESTRICTION OVERVIEW

| TOLL DENY TABLE | | |
|---|---|---|
| ENTRY | DIGITS | BCDE |
| 001 | X | 1000 |
| 002 | 1305 | 1000 |
| 003 | 1900 | 1000 |

| TOLL ALLOW TABLE | | |
|---|---|---|
| ENTRY | DIGITS | BCDE |
| 001 | 1X0X | 1000 |
| 002 | 1X1X | 1000 |
| 003 | 1800X | 1000 |

| WILD CARD | 0 1 2 3 4 5 6 7 8 9 ✱ # |
|---|---|
| X | 1 1 1 1 1 1 1 1 1 1 0 0 |
| Y | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Z | 0 0 0 0 0 0 0 0 0 0 0 0 |

**EXAMPLE 4**

This system is installed in an area where not all seven digit calls are "free" and a 1 is not required when dialing other area codes. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

- Class B phones can only dial area codes east of the Mississippi and all C.O. prefixes in their own area code.
- Class C phones are allowed to dial 186 out of 292 C.O. prefixes.
- Class D phones are only allowed to dial 57 of the 292 C.O. prefixes.
- Classes C and D cannot dial outside their own area code.

The large number of entries required to demonstrate this example makes a full listing impractical. Follow these guidelines:

Class B Programming—List all of the allowed area codes in the allow table and mark each entry for Class B and enter X0X and X1X in the deny table for Class B. This will deny all area codes not listed in the allow table.

Class C Programming—Enter X in the deny table to restrict all numbers not listed in the allow table and mark this entry to apply to Class C. List the 186 allowable C.O. prefixes in the allow table and mark these entries to apply to Class C.

Class D Programming—Add a 1 in the Class D column of the X entry to make it apply to Class D. List the 57 allowable C.O. prefixes in the allow table and mark these entries to apply to Class D. Some or all of these C.O. prefixes may already be entered for

## TOLL RESTRICTION OVERVIEW

Class C above. Do not repeat the entry; you only need to add a 1 in the Class D column to each entry that applies to Class D.

| WILD CARD | 0 1 2 3 4 5 6 7 8 9 ✱ # |
|:---:|:---|
| X | 1 1 1 1 1 1 1 1 1 1 0 0 |
| Y | 0 0 0 0 0 0 0 0 0 0 0 0 |
| Z | 0 0 0 0 0 0 0 0 0 0 0 0 |

## MMC: 702                    TOLL DENY TABLE

## DESCRIPTION:

Provides a way to make toll restriction very easy and flexible. There are 500 entries allowable in the deny table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into the toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B–G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as in house only by default.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### WILD CARD KEY

| BUTTON | DIAL | WILD CARD |
|---|---|---|
| 19 | 0 | X |
| 20 | 1 | Y |
| 21 | 2 | Z |

### ACTION

### DISPLAY

1. Press TRSF 702
   Display shows

```
DENY(001):BCDEFG
         :000000
```

2. Dial index number 001–500 (e.g., 005)
        OR
   Press UP or DOWN key to select index and
   press RIGHT soft key to move cursor and
   enter via dial pad toll pattern (e.g., 212)
        OR
   Enter wild card (e.g., 21X) from above list
   and press RIGHT soft key to move cursor to
   COS options

```
DENY(005):BCDEFG
         :000000
```

```
DENY(005):BCDEFG
212      :000000
```

```
DENY(005):BCDEFG
21X      :000000
```

## MMC: 702

3.  Press UP or DOWN key to move cursor
    along line until under toll class mark (e.g., E)
    Enter a 1 for YES or 0 for NO and press
    RIGHT soft key to return to step 1
            OR
    Press LEFT soft key to return to step 2

```
DENY(001):BCDEFG
212      :000100
```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: ALL ENTRIES ARE SET TO 0**

**RELATED ITEMS:**   **MMC 703 TOLL ALLOWANCE TABLE**
                     **MMC 704 ASSIGN WILD CHARACTER**

## MMC: 703          TOLL ALLOWANCE TABLE

## DESCRIPTION:

Provides a way to make toll restriction very easy and flexible. There are 500 entries allowable in the allow table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. There are six toll levels, B–G, that are programmable. Toll level A is set as unrestricted by default, and toll level H is set as in house only by default.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### WILD CARD KEY

| BUTTON | DIAL | WILD CARD |
|---|---|---|
| 19 | 0 | X |
| 20 | 1 | Y |
| 21 | 2 | Z |

### ACTION

### DISPLAY

1.  Press TRSF 703
    Display shows

```
ALOW(001):BCDEFG
         :000000
```

2.  Dial index number 001–500 (e.g., 005)
        OR

```
ALOW(005):BCDEFG
         :000000
```

Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter via dial pad toll pattern (e.g., 212)
        OR

```
ALOW(005):BCDEFG
212      :000000
```

Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options

```
ALOW(005):BCDEFG
21X      :000000
```

## MMC: 703

3.  Press UP or DOWN key to move cursor
    along line until under toll class mark (e.g., E)
    Enter a 1 for YES or 0 for NO and press
    RIGHT soft key to return to step 1
            OR
    Press LEFT soft key to return to step 2

```
ALOW(001):BCDEFG
212      :000100
```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: ALL ENTRIES ARE SET TO 0**

**RELATED ITEMS:**   **MMC 702 TOLL DENY TABLE**
                     **MMC 704 ASSIGN WILD CHARACTER**

# MMC: 704        ASSIGN WILD CHARACTER

## DESCRIPTION:

Provides flexibility to toll restriction when a specific numbering plan is so desired. There are only three entry tables but more than one digit can be assigned per table if so needed.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

## ACTION

**DISPLAY**

1.  Press TRSF 704
    Display shows

    ```
     :0123456789*#
    X:000000000000
    ```

2.  Press UP or DOWN key to select X, Y or Z
    Press RIGHT soft key to advance cursor
    to option line

    ```
     :0123456789*#
    Z:000000000000
    ```

3.  Press UP or DOWN key to move cursor to
    option digit desired (e.g., 5) and enter the
    digit 1 under the desired digit
    If needed, place the digit 1 under one or
    more digits
    Press LEFT soft key to return to step 2
            OR
    Press RIGHT soft key to return to step 1

    ```
     :0123456789*#
    Z:000001000000
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL ENTRIES SET TO 0**

**RELATED ITEMS:   MMC 702 TOLL DENY TABLE**
**                 MMC 703 TOLL ALLOWANCE TABLE**

# MMC: 705     PROGRAM SYSTEM SPEED DIAL

## DESCRIPTION:

Enables the assignment of system speed dialing numbers. There are up to 500 entries available for programming.

Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 18 digits to be dialed. These dialed digits may consist of 0–9, ✶ and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| B | Used to insert a flash code "F" |
| C | Used to insert a pause code "P" |
| D | Used to insert a pulse/tone conversion code "C" |
| E | Used to mask/unmask following digits. shows as "[" or "]" |
| F | Used to enter name for speed dial bin (see MMC 706) |

### ACTION

### DISPLAY

1. Press TRSF 705
   Display shows

   ```
   SYS SPEED DIAL
   500:
   ```

2. Dial desired speed index (e.g., 505)
       OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor

   ```
   SYS SPEED DIAL
   505:
   ```

3. Enter access code (e.g., 9/701) plus the phone number up to 18 digits (digits will scroll under) and press RIGHT soft key to return to step 2

   ```
   SYS SPEED DIAL
   505:9–1212234567
   ```

4. Press F key to toggle to MMC 706, step 3 to enter name

   ```
   SYS SPEED NAME
   505:
   ```

## MMC: 705

5.  Press TRSF to store and exit
            OR
        Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 706 SYSTEM SPEED DIAL BY NAME**

# MMC: 706 SYSTEM SPEED DIAL BY NAME

## DESCRIPTION:

Allows a character name to be entered for each system speed dial location. There are ten characters for Version 1 software and 11 characters for Version 2 software. This name enables the speed dial number to be located when using the directory dial feature. The directory dial feature allows the display keyset user to select a speed dial location by scanning its name.

Names are written using the keypad. Each press of a key selects a character. Pressing a different key moves the cursor to the next position. For example, if the directory name is "SAM SMITH,"  press "7" three times to get the letter "S." Press "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the "A" key will change the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| **DIAL 0** | Q | Z | . | ) | 0 |
| **DIAL 1** | space | ? | , | ! | 1 |
| **DIAL 2** | A | B | C | @ | 2 |
| **DIAL 3** | D | E | F | # | 3 |
| **DIAL 4** | G | H | I | $ | 4 |
| **DIAL 5** | J | K | L | % | 5 |
| **DIAL 6** | M | N | O | ^ | 6 |
| **DIAL 7** | P | R | S | & | 7 |
| **DIAL 8** | T | U | V | ✱ | 8 |
| **DIAL 9** | W | X | Y | ( | 9 |
| **DIAL ✱** | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

| MMC: 706 |
|---|

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✴ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✴ | : | = | [ | ] | ✴ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| UP & DOWN | Used to scroll through options |
|---|---|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| TRSF | Used to store and exit MMC |

**ACTION**                                          **DISPLAY**

1. Press TRSF 706
   Display shows

   ```
   SYS SPEED NAME
   500:
   ```

2. Dial system speed entry number (e.g., 505)
         OR
   Press UP or DOWN to select entry number
   and press RIGHT soft key to move cursor

   ```
   SYS SPEED NAME
   505:
   ```

## MMC: 706

3. Enter name using dial keypad and above table and press RIGHT soft key to return to step 2

> OR

Press the F key to toggle to speed dial number to return to MMC 705, step 5

```
SYS SPEED NAME
505:SAMSUNG
```

```
SYS SPEED DIAL
505:
```

4. Press RIGHT soft key to return to step 2

> OR

Press TRSF to store and exit

> OR

Press SPK to store and advance to next MMC


**DEFAULT DATA: NO NAMES**

**RELATED ITEMS: MMC 705 ASSIGN SYSTEM SPEED DIAL**

## MMC: 707      AUTHORIZATION CODE

## DESCRIPTION:

Enables the authorization feature on a per-class of service selection. There are 100 available entries.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

1. Press TRSF 707
   Display shows

2. Dial code index number 1–100 (e.g., 005)
        OR
   Press UP or DOWN key to selected index number and press RIGHT soft key to move cursor

3. Enter authorization code (maximum four digits) via dial keypad (e.g., 1234) and press RIGHT soft key to move cursor

4. Enter class of service number 01–30 (e.g., 05)
        OR
   Press UP or DOWN key to select COS and press RIGHT soft key to select and return to step 2

5. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DISPLAY**

```
AUTHOR.CODE(001)
CODE:      COS:--
```

```
AUTHOR.CODE(005)
CODE:_     COS:--
```

```
AUTHOR.CODE(001)
CODE:1234 COS:--
```

```
AUTHOR.CODE(001)
CODE:1234 COS:05
```

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 305 ASSIGN FORCED CODE**

# MMC: 708                          ACCOUNT CODE

## DESCRIPTION:

Enables the account code entry feature. There are 250 available entries.

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                        **DISPLAY**

1.  Press TRSF 708
    Display shows

    ```
    ACCOUNT CODE
    (001)
    ```

2.  Dial code index number 1–250 (e.g., 250)
            OR
    Press UP or DOWN key to selected index
    number and press RIGHT soft key to move
    cursor

    ```
    ACCOUNT CODE
    (005)
    ```

3.  Enter account code (maximum 12 digits)
    via dial keypad (e.g., 1234)
    Press RIGHT soft key to go back to step 2

    ```
    ACCOUNT CODE
    (005)1234
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 305 ASSIGN FORCED CODE**

# MMC: 709      PBX ACCESS CODE

## DESCRIPTION:

Provides a way to identify the access codes needed to work toll restriction when system is used with either a PBX or CENTREX-supplied dial tone. There is a maximum of five (5) entries allowable.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### ACTION

1. Press TRSF 709
   Display shows

2. Enter index number (e.g., 3)
            OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

3. Enter via dial keypad the desired
   access/feature code (e.g., 9)
   Press RIGHT soft key to enter and return
   to step 2 and enter more entries

4. Press TRSF to store and exit
            OR
   Press SPK to store and advance to next MMC

### DISPLAY

```
PBX ACCESS CODE
1:
```

```
PBX ACCESS CODE
3:_
```

```
PBX ACCESS CODE
3:9
```

**DEFAULT DATA: NONE**

**RELATED ITEMS:    MMC 702 TOLL DENY TABLE**
                               **MMC 703 TOLL ALLOWANCE TABLE**

## MMC: 710                          LCR DIGIT TABLE

## DESCRIPTION:

The LCR DIGIT TABLE contains all numerical digits for the completion of outgoing call placement. This table works in conjunction with LCR ROUTE TABLE, LCR TIME TABLE and LCR MODIFY DIGITS TABLE. There is a maximum of 500 entries with a digit string length of ten numerical digits. This system will automatically maintain entered digit strings in numerical order. The characters ✱ and # are also accepted for use with feature codes.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                        **DISPLAY**

1. Press TRSF 710
   Display shows

   ```
   LCR DIGIT   (001)
   DIGIT:
   ```

2. Dial LCR entry (e.g., 005)
           OR
   Press UP or DOWN to select entry and press
   RIGHT soft key to move cursor

   ```
   LCR DIGIT   (005)
   DIGIT: _
   ```

3. Enter LCR digit string via the dial keypad
   Press RIGHT soft key
           OR
   Press LEFT soft key to return to step 1

   ```
   LCR DIGIT   (005)
   DIGIT:305426
   ```

4. Enter digit length (00–31)
   Cursor will move to RT:
   Enter route selection (1–16)
           OR
   Press LEFT soft key to return to length value
   Valid entry will return you to step 1

   ```
   LCR DIGIT   (005)
   LENGTH:10 RT:01
   ```

**MMC: 710**

5.  Press TRSF to store and exit
          OR
     Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS:**   MMC 505 ASSIGN DATE AND TIME
                                MMC 712 LCR ROUTE TABLE

## MMC: 711 — LCR TIME TABLE

## DESCRIPTION:

This table allows the flexibility of the system, through the LCR ROUTES, to allow calls placed at any given time of day to use the least cost trunk route that is available. When LCR ROUTE ADVANCE is allowed, it is possible for calls to be placed on more expensive trunks on any given time of day. There are four possible time entries per day; the start time of the next time is the end time of the previous time period.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**FEATURE KEYS**

| DAY | VALUE |
|-----|-------|
| SUN | 0 |
| MON | 1 |
| TUE | 2 |
| WED | 3 |
| THU | 4 |
| FRI | 5 |
| SAT | 6 |

| TIME | BAND |
|------|------|
| A | 0 |
| B | 1 |
| C | 2 |
| D | 3 |

| LCRT | |
|------|---|
| LCRRT | 1 |
| LCRRT | 2 |
| LCRRT | 3 |
| LCRRT | 4 |

**ACTION**

1. Press TRSF 711
   Display shows

2. Dial day of week (SUN–SAT, e.g., WED)
           OR
   Press UP or DOWN to make day selection
   and press RIGHT soft key to make entry and
   move cursor and advance to step 3

**DISPLAY**

```
LCR TIME (SUN:A)
HHMM:    LCRT:-
```

```
LCR TIME (WED:A)
HHMM:    LCRT:-
```

## MMC: 711

3.  Dial time band (A–D, e.g., B)
    OR
    Press UP or DOWN to make time band
    selections and press RIGHT soft key to make
    entry and move cursor and advance to step 4

```
LCR TIME (WED:B)
HHMM:    TIME:-
```

4.  Dial time via keypad (24 hour format)
    Cursor moves to LCRT (see MMC 712)
    Dial entry 1–4
    OR
    Press UP or DOWN to select entry  and
    press RIGHT soft key to make entry and
    return to step 1
    OR
    If entry is dialed, return to step 2

```
LCR TIME (WED:B)
HHMM:0800LCRT:-
```

```
LCR TIME (WED:B)
HHMM:0800LCRT:1
```

5.  Press TRSF to store and exit
    OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 712 LCR ROUTE TABLE**

## MMC: 712                    LCR ROUTE TABLE

## DESCRIPTION:

The LCR ROUTE TABLE has the responsibility for the selection of a specific trunk group in the completion of an outward bound call. This table works in conjunction with LCR DIGIT TABLE, LCR TIME TABLE, LCR COS TABLE and LCR MODIFIED DIGITS TABLE. After the user dials a valid digit string, the system will use the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum number of 16 routes available beginning with the ROUTE NUMBER 1. If more than one trunk group are available for call completion, the system will use the first designated trunk group and then start to utilize succeeding trunk groups. If all trunk groups are busy in a selected route, call queue will become active and allocate trunks as they become available.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                **DISPLAY**

1. Press TRSF 712
   Display shows

   ```
   LCR ROUTE (01:1)
   C:1 G:NONE M:---
   ```

2. Dial LCR ROUTE index number 1–16
   (e.g., 05)
           OR
   Press UP or DOWN to selected index and
   press RIGHT soft key to move cursor and
   advance to next step 3

   ```
   LCR ROUTE (05:1)
   C:1 G:NONE M:---
   ```

3. Dial TIME BAND index number 1–4 (e.g., 2)
           OR
   Press UP or DOWN to selected index and
   press RIGHT soft key to move cursor and
   advance to next step 4

   ```
   LCR ROUTE (05:2)
   C:1 G:NONE M:---
   ```

## MMC: 712

4. Dial LCRCOS number 1–8 (e.g., 4)
     OR
   Press UP or DOWN to selected COS and
   press RIGHT soft key to move cursor and
   advance to next step 5

```
LCR ROUTE (05:2)
C:4 G:NONE M:---
```

5. Dial TRUNK GROUP access code 80–89
   (e.g., 81)
     OR
   Press UP or DOWN to selected access code
   and press RIGHT soft key to move cursor
   and advance to next step 6

```
LCR ROUTE (05:2)
C:4 G:81  M:---
```

6. Dial MODIFY DIGITS index number 001–100
   (e.g., 050)
     OR
   Press UP or DOWN to selected index
   number and press RIGHT soft key to move
   cursor
     OR
   Press RIGHT soft key to enter NO index
   number

```
LCR ROUTE (05:2)
C:4 G:81  M:050
```

```
LCR ROUTE (05:2)
C:4 G:81  M:---
```

7. Press TRSF to store and exit
     OR
   Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**


**RELATED ITEMS:**   **MMC 310 LCR CLASS OF SERVICE**
                     **MMC 710 LCR DIGIT TABLE**
                     **MMC 711 LCR TIME TABLE**
                     **MMC 713 LCR MODIFY DIGIT TABLE**

## MMC: 713        LCR MODIFY DIGIT TABLE

## DESCRIPTION:

This program entry is also referred to as Outdial Rules. This will give the system the ability to add or delete a digit string or singular digit if needed to complete a call. A perfect example is the adding of a digit "1." An advantage is to insert a common carrier network access code of 10288 (ATT®). With these digits inserted, a long distance call will be placed over a local line utilizing the common carrier network. The characters ✱ and # can also be entered.

| OPTION | MAXIMUM NUMBER OF DIGIT ENTRIES |
|---|---|
| Number of digits to delete | 15 |
| Insert (before dialing string) | 14 |
| Append (after dialing string) | 14 |

DIGIT STRING KEY
Insert String + Digit String (delete) + Append String

### PROGRAM KEYS

| UP & DOWN | Used to scroll through options |
|---|---|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

### ACTION

### DISPLAY

1. Press TRSF 713
   Display shows

   ```
   LCR MODIFY (001)
   NOF DEL DGT:00
   ```

2. Enter index number ( e.g., 005)
        OR
   Press UP or DOWN keys to make selection
   and press RIGHT soft key to move cursor

   ```
   LCR MODIFY (005)
   NOF DEL DGT:00
   ```

3. Enter number of digits to delete
        OR
   Press RIGHT soft key to skip step and move
   cursor to next step

   ```
   LCR MODIFY (005)
   INS:_
   ```

## MMC: 713

4.  Enter digits to be inserted (e.g., 10288)
        OR
    Press RIGHT soft key to skip step or to store
    information and advance to next step

```
LCR MODIFY (005)
INS:10288_
```

5.  Enter digits to be appended (e.g., 45678)
        OR
    Press RIGHT soft key to skip step or to store
    information and return to step 2

```
LCR MODIFY (005)
APP:_
```

6.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 710 LCR DIGIT TABLE**

# MMC: 714   DID NUMBER AND NAME TRANSLATION

## DESCRIPTION:

Assigns an incoming DID call to a specific day or night station or station group.  It also provides a call waiting option, if needed, so that a second incoming DID call can be received.  A name can be added to the number. There are ten characters for Version 1 software and 11 characters for Version 2 software. There are a maximum of 200 entries.

Names are written using the keypad. Each press of a key selects a character. Pressing the dial pad key moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press "7" three times to get the letter "S." Press "2" once to get "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key changes the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|---|---|---|---|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 714

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✶ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✶ | : | = | [ | ] | ✶ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

UP & DOWN            Used to scroll through options
KEYPAD              Used to enter selections
SOFT KEYS           Move cursor left and right
SPK                 Used to store data and advance to next MMC
HOLD                Used to clear previous entry

**ACTION**                              **DISPLAY**

1.  Press TRSF 714
    Display shows

```
DID DIGIT   (001)
DGT:       CW:NO
```

2.  Enter valid index number, e.g., 005,
    via dial keypad
            OR
    Press UP or DOWN key to make selection
    Press RIGHT soft key to move cursor

```
DID DIGIT   (005)
DGT:       CW:NO
```

3.  Enter digits to be translated (e.g., 5065)
    via dial keypad and press RIGHT
    soft key to move cursor

```
DID DIGIT   (005)
DGT:5065   CW:NO
```

## MMC: 714

4.  Enter 1 for YES or 0 for NO CALL WAITING
    press RIGHT soft key to move cursor to next
    display

```
DID DIGIT   (005)
DGT:5065   CW:YES
```

5.  Enter station or group number for DAY
    destination via dial keypad
                OR
    Press UP or DOWN key to make selection
    If valid entry, system will advance cursor

```
DID DIGIT   (005)
RG→D:205   N:NONE
```

6.  Enter station or group number for NIGHT
    destination via dial keypad
                OR
    Press UP or DOWN key to make selection
    If valid entry, system will move cursor

```
DID DIGIT   (005)
RG→D:205   N:NONE
```

7.  Enter name using above table and press
    RIGHT soft key to return to step 2

```
DID DIGIT   (005)
NAME:_
```

.   Press TRSF to store and exit
                OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA: NO ENTRIES**


**RELATED ITEMS:  TRUNK PROGRAMMING**
                 **MMC 416 ASSIGN E&M TRANSLATION**

## MMC: 715            PROGRAMMED STATION MESSAGE

## DESCRIPTION:

Allows a 16 character custom message to be programmed. Messages are written via the keypad. Each press of a key will select a character. Pressing a different key will move the cursor to the next position. For example, if the message is "Sunbathing," press the number "7" three times to get the letter "S." Now press the number "8" two times to get the letter "U." Continue selecting characters from the table below to complete your message. Pressing the "A" key will change the letter from upper case to lower case.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the UP key to move the cursor to the right or the DOWN key to move the cursor to the left. A space can be entered by using these keys.

- **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|---|---|---|---|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

**MMC: 715**

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✳ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✳ | : | = | [ | ] | ✳ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| "A" KEY | Toggles from upper case to lower case |

**ACTION**                      **DISPLAY**

1. Press TRSF 715
   Display shows

   ```
   PGM.MESSAGE (01)
   IN A MEETING
   ```

2. Enter index number (e.g., 11)
        OR
   Press UP or DOWN arrow to make selection
   Press RIGHT soft key to move cursor

   ```
   PGM.MESSAGE (11)
   _
   ```

3. Enter message via dial keypad using the above table (maximum 16 characters)

   ```
   PGM.MESSAGE (11)
   SunBathing
   ```

## MMC: 715

Use "A" key to toggle upper case/lower case
Press RIGHT soft key to return to step 2

4.  Press TRSF to store and exit
          OR
Press SPK to store and advance to next MMC


**DEFAULT DATA:   TEN PROGRAMMED MESSAGES AS DETAILED BELOW**
                            **01.   IN A MEETING**
                            **02.   OUT ON A CALL**
                            **03.   OUT TO LUNCH**
                            **04.   LEAVE A MESSAGE**
                            **05.   PAGE ME**
                            **06.   OUT OF TOWN**
                            **07.   IN TOMORROW**
                            **08.   RETURN AFTERNOON**
                            **09.   ON VACATION**
                            **10.   GONE HOME**
                            **MESSAGES 11–20 ARE NOT USED**

**RELATED ITEMS: <u>MMC 115 SET PROGRAMMED MESSAGE</u>**

## MMC: 718               SPECIAL CODE TABLE

## DESCRIPTION:

Provides a way to insert the special feature codes to activate central office custom calling features such as CID Block and call waiting disable. The special feature codes can be used on a per call basis without affecting LCR or toll restriction programming. There is a maximum of ten (10) entries available each of which may be up to four digits long. The four rules that apply to the Special Code Table are as follows:

Rule 1.    Toll restriction is only applied to digits following the entries in the Special Code Table.  This eliminates toll restriction bypass with second dial tone central office features such as CID block (✱67).

Rule 2.    LCR will only route calls based on the digits following the entries in the Special Code Table. This rule allows end user per call special code activation.

Rule 3.    LCR modify digits tables will only delete digits that are follow in the Special Code Table entries. This allows central office features such as CID block to be used when LCR deletes digits. Can be used in Foreign Exchange (FX) routing by removing the 1+ area code..

Rule 4.    LCR modify digits tables will only insert digits after the Special Code Table entries. This allows for central office features such as call waiting block to be activated but route the call with a specific PIC code such as 10288 (AT&T).

Example of Rule 4:  User dials ✱67 1 305 529 2900, the DCS will seize a C.O. line and dial ✱67 10288 1 305 529 2900.

**PROGRAM KEYS**

|  |  |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

## MMC: 718

**ACTION**

**DISPLAY**

1. Press TRSF 727
   Display shows

```
SPECIAL CODE
1:
```

2. Enter index number, e.g., 3
        OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

```
SPECIAL CODE
3:_
```

3. Enter via dial keypad the desired
   access/feature code (e.g., Q67)
   Press RIGHT soft key to enter and return
   to step 2 and enter more entries

```
SPECIAL CODE
3: ✱67
```

4. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS:**  **LCR PROGRAMMING**
                   **MMC 702 TOLL DENY TABLE**
                   **MMC 703 TOLL ALLOW TABLE**

# MMC: 720          COPY KEY PROGRAMMING

## DESCRIPTION:

Provides a tool for duplicating key assignments from one keyset to another. This can be done on a per-station basis or on all stations but not on a group of stations. One limitation is that you must copy a 24B keyset to a 24B keyset, a 12B keyset to a 12B keyset and an AOM to an AOM.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |
| ANS/RLS | Used to select ALL |

### ACTION

1. Press TRSF 720
   Display shows

2. Enter station number (e.g., 205)
   OR
   Press UP or DOWN keys to make selection
   and press RIGHT soft key to move cursor

3. Enter station number to copy from
   Cursor is returned to step 2
   OR
   Press UP or DOWN key to make selection

4. Press RIGHT soft key to return to step 2
   OR
   Press TRSF to store and exit
   OR
   Press SPK to store and advance to next MMC

### DISPLAY

```
[201] COPY KEY
SRC PHONE:NONE
```

```
[205] COPY KEY
SRC PHONE:NONE
```

```
[205] COPY KEY
SRC PHONE:203
```

**DEFAULT DATA: NONE**

**RELATED ITEMS:  MMC 107 KEY EXTENDER**
**MMC 721 SAVE STATION KEY PROGRAMMING**
**MMC 722 STATION KEY PROGRAMMING**
**MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 721    SAVE STATION KEY PROGRAMMING

## DESCRIPTION:

Provides a service tool which will minimize the accidental loss of programmable keys on the DCS COMPACT electronic keysets. The method of operation is simple—first the data is saved and then the station can be replaced with another station type or the keys can be reprogrammed to other features. Once testing or replacement is completed, the data can be restored to the individual station, providing the same type is in place.

NOTE: This program is not to be confused with AUTO SET RELOCATE. This program is for saving and restoring the same electronic device type at that port.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

**ACTION**                                                      **DISPLAY**

1. Press TRSF 721
   Display shows

   ```
   [201] SAVE KEY
   RESTORE
   ```

2. Enter desired station number (e.g.,205)
        OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key

   ```
   [205] SAVE KEY
   RESTORE
   ```

3. Press UP or DOWN key to make function
   selection (e.g., SAVE)

   ```
   [201] SAVE KEY
   SAVE
   ```

4. Press RIGHT soft key to enter and return to
   step 2
        OR
   Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS:   MMC 107 KEY EXTENDER**
**                 MMC 722 STATION KEY PROGRAMMING**
**                 MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 722   STATION KEY PROGRAMMING

## DESCRIPTION:

Allows the customizing of programmable keys on specific electronic keysets, or AOM on the DCS COMPACT system. For keysets, buttons 1 and 2 are set as CALL buttons by default. For AOM's all buttons are set as DS keys by default. Features are entered via dial pad keys by pressing the dial pad number the required number of steps to select the feature. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, press 2 for the first letter B and then use the UP or DOWN key to change the selection from BARGE to BOSS.

### DIAL KEYPAD

| COUNT→ | 1 | 2 | 3 |
|---|---|---|---|
| DIAL 2 | AAPLAY | BARGE | CALL |
| DIAL 3 | DICT | DICT | FAUTO |
| DIAL 4 | GPIK | HLDPK | IG |
| DIAL 5 | LCR | LCR | LCR |
| DIAL 6 | MMPA | NEW | OHVA |
| DIAL 7 | PAGE | REJECT | SG |
| DIAL 8 | TG | UA | |

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

1. Press TRSF 722
   Display shows

2. Enter selected station number (e.g., 205)
           OR
   Press UP or DOWN key to select station
   Press RIGHT soft key to move cursor

**DISPLAY**

```
[201] KEY (KTS)
01:CALL1 →
```

```
[205] KEY (64B)
01:CALL1 →
```

## MMC: 722

3.  Enter selected key number (e.g., 18)
        OR
    Press UP or DOWN key to select key number
    Press RIGHT soft key to move cursor

```
[201] KEY (KTS)
18:NONE →_
```

4.  Using the dial keypad chart, press dial pad
    key number to make a selection
        OR
    Press UP or DOWN key to make a selection
    Press RIGHT soft key to advance cursor to
    step 5 to enter extender if required or to return
    to step 2

```
[201] KEY (KTS)
18:NONE →GPIK_
```

5.  If required, enter extender (e.g.,03)
        OR
    Press UP or DOWN key to make a selection
    Press RIGHT soft key to return to step 2

```
[201] KEY (KTS)
18:NONE →GPIK03
```

6.  Press TRSF to store and exit
        OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: SEE BELOW**

**RELATED ITEMS: MMC 107 KEY EXTENDER**

- **DCS KEYSETS**

### Default 24 Button Keyset with or without Display

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:NONE | 06:TG9 |
|----------|----------|---------|---------|---------|--------|
| 07:NONE  | 08:NONE  | 09:NONE | 10:NONE | 11:NONE | 12:NONE |
| 13:NONE  | 14:NONE  | 15:NONE | 16:NONE | 17:NONE | 18:NONE |
| 19:CONF  | 20:SPD   | 21:LNR  | 22:PAGE | 23:CBK  | 24:MSG |

### Default 12 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:NONE | 06:TG9 |
|----------|----------|---------|---------|---------|--------|
| 07:CONF  | 08:SPD   | 09:LNR  | 10:PAGE | 11:CBK  | 12:MSG |

## MMC: 722

### Default 32 Button Add-On Module

| | | | |
|---|---|---|---|
| 01:DS | 02:DS | 03:DS | 04:DS |
| 05:DS | 06:DS | 07:DS | 08:DS |
| 09:DS | 10:DS | 11:DS | 12:DS |
| 13:DS | 14:DS | 15:DS | 16:DS |
| 17:DS | 18:DS | 19:DS | 20:DS |
| 21:DS | 22:DS | 23:DS | 24:DS |
| 25:DS | 26:DS | 27:DS | 28:DS |
| 29:DS | 30:DS | 31:DS | 32:DS |

### Default 7 Button Keyset

| | | |
|---|---|---|
| 01:CALL1 | 02:CALL2 | 03:NONE |
| 04:NONE | 05:NONE | 06:NONE |
| | 07:MSG | |

- **iDCS KEYSETS**

### iDCS 28D - Default 28 Button Keyset

| | | | | |
|---|---|---|---|---|
| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:MESSAGE |
| 06:NONE | 07:NONE | 08:NONE | 09:NONE | 10:NONE |
| 11:NONE | 12:NONE | 13:NONE | 14:NONE | 15:NONE |
| 16:NONE | 17:NONE | 18:NONE | 19:NONE | 20:NONE |

| | |
|---|---|
| 21:NONE | 25:NONE |
| 22:NONE | 26:NONE |
| 23:MEMORY | 27:REDIAL |
| 24:TRANSFER | 28:SPEAKER |

### iDCS 18D - Default 18 Button Keyset

| | | | | |
|---|---|---|---|---|
| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:MESSAGE |
| 06:NONE | 07:NONE | 08:NONE | 09:NONE | 10:NONE |

| | |
|---|---|
| 21:NONE | 25:NONE |
| 22:NONE | 26:NONE |
| 23:MEMORY | 27:REDIAL |
| 24:TRANSFER | 28:SPEAKER |

### iDCS 8D - Default 8 Button Keyset

| | | | |
|---|---|---|---|
| 01:CALL1 | 02:CALL2 | 03:MESSAGE | 04:TRANSFER |
| 05:NONE | 06:NONE | 07:NONE | 08:SPEAKER |

## MMC: 722

### Programmable Key Assignments

| | |
|---|---|
| ACCT: | ACCOUNT |
| ALARM: | ALARM RING ANSWER |
| AN/RLS: | ANSWER/RELEASE |
| BARGE: | BARGE-IN |
| BLOCK: | OHVA BLOCK |
| BOSS: | BOSS/SECRETARY |
| CALL: | CALL BUTTON |
| CAMP: | STATION CAMP-ON |
| CANMG: | MESSAGE CANCEL |
| CBK: | CALLBACK |
| CID: | CALLER ID* |
| CONF: | CONFERENCE |
| CR: | CALL RECORD KEY |
| CS: | CALL STATUS |
| CSNR: | CALLER ID SAVE NUMBER REDIAL* |
| DICT: | DICTATION |
| DIR: | DIRECTORY |
| DLOCK: | DOOR LOCK |
| DND: | DO NOT DISTURB |
| DP: | DIRECT PICKUP |
| DS: | DSS KEY |
| DT: | DTS KEY |
| EXT MIC: | EXTERNAL MICROPHONE** |
| FAUTO: | FORCED AUTO ANSWER |
| FLASH: | FLASH |
| FWRD: | CALL FORWARD |
| GPIK: | GROUP PICKUP |
| HDSET: | HEADSET MODE |
| HLDPK: | HOLD PICKUP |
| HOLD: | HOLD |
| IG: | IN/OUT OF GROUP |
| INQIRE: | INQUIRE (CID)* |
| ISPY: | CID SPY* |
| LCR: | LEAST COST ROUTING |
| LISTN: | GROUP LISTENING |
| LNR: | LAST NUMBER REDIAL |
| MMPA: | MEET ME PAGE ANSWER |
| MMPG: | MEET ME PAGE |
| MSG: | MESSAGE |
| MUTE: | MUTE |
| NEW: | NEW CALL |
| NIGHT: | NIGHT SERVICE |

## MMC: 722

### Programmable Key Assignments

NND:   NAME NUMBER DATE (CID)
NXT:   NEXT (CID)
OHVA:  OFF-HOOK VOICE ANNOUNCE
OPER:  OPERATOR
PAGE:  PAGE
PAGPK: PICKUP PAGE HOLD
PMSG:  PROGRAMMED STATION MESSAGE
REJECT: OHVA REJECT
RETRY: AUTO REDIAL ON BUSY
REVW:  REVIEW (CID)*
SETMG: SET MESSAGE W/O RING
SG:   STATION GROUP
SNR:   SAVED NUMBER REDIAL
SPD:   SPEED DIAL
SPK:   SPEAKER**
STORE: STORE DISPLAYED NUMBER (CID)*
TG:   TRUNK GROUP
TIMER: TIMER
TRSF:  TRANSFER**
UA:   UNIVERSAL ANSWER
VM:   VOICE MAIL MEMO*
VMADM: VOICE MAIL ADMINISTRATION*
VMAME: ANSWER MACHINE EMULATION*
VMMSG: VOICE MAIL MESSAGE KEY*
VT:   VOICE MAIL TRANSFER*

NOTE: Items marked with an asterisk (*) require optional hardware and/or software. Items marked with double asterisks (**) indicate iDCS keyset specific feature keys.

# MMC: 723    SYSTEM KEY PROGRAMMING

## DESCRIPTION:

This MMC is much like MMC 722 Station Key Programming. The main difference is that this MMC is system-wide rather than on a per-station basis. Features are entered via dial pad keys by pressing the dial pad number the required number of steps to select the feature. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, first press 2 for the first letter B and then use the UP or DOWN key to make the selection from BARGE to BOSS.

NOTE: Please remember that this program is system-wide.

**DIAL KEYPAD**

| COUNT→ | 1 | 2 | 3 |
|---|---|---|---|
| DIAL 2 | AAPLAY | BARGE | CALL |
| DIAL 3 | DICT | DICT | FAUTO |
| DIAL 4 | GPIK | HLDPK | IG |
| DIAL 5 | LCR | LCR | LCR |
| DIAL 6 | MMPA | NEW | OHVA |
| DIAL 7 | PAGE | REJECT | SG |
| DIAL 8 | TG | UA | |

TYPE OF SET

| DIAL | 0 | 24BTNS |
|---|---|---|
| DIAL | 1 | 12BTNS |
| DIAL | 2 | 32BTNS |
| DIAL | 3 | 7BTNS |

**PROGRAM KEYS**

| UP & DOWN | Used to scroll through options |
|---|---|
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

## MMC: 723

**ACTION**                                              **DISPLAY**

1.  Press TRSF 723
    Display shows

    ```
    SYS.KEY PROGRAM
    TYPE:24 BTN SETS
    ```

2.  Enter the type of set via dial pad (e.g., 2)
            OR
    Press UP or DOWN key to make selection and
    press RIGHT soft key to move cursor

    ```
    SYS.KEY PROGRAM
    TYPE:24 BTN SETS
    ```

3.  Enter key number (e.g., 18)
            OR
    Press UP or DOWN key to make selection and
    press RIGHT soft key move cursor

    ```
    SYS.KEY PROGRAM
    18:DS   →
    ```

4.  Using the dial keypad chart, press the dial
    pad key number to make a selection
            OR
    Press UP or DOWN key to make a selection
    Press RIGHT soft key to advance cursor to
    step 5 to enter extender if required
            OR
    Press LEFT soft key to return to step 3

    ```
    SYS.KEY PROGRAM
    18:DS   →GPIK
    ```

5.  If required, enter extender (e.g.,03)
            OR
    Press UP or DOWN key to make a selection
    Press RIGHT soft key to return to step 2
    Press LEFT soft key to return to step 3

    ```
    SYS.KEY PROGRAM
    18:DS   →GPIK03
    ```

6.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: SEE BELOW**

**RELATED ITEMS: NONE**

## MMC: 723

- ### DCS KEYSETS

### Default 24 Button Keyset with or without Display

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:NONE | 06:TG9 |
|----------|----------|---------|---------|---------|---------|
| 07:NONE  | 08:NONE  | 09:NONE | 10:NONE | 11:NONE | 12:NONE |
| 13:NONE  | 14:NONE  | 15:NONE | 16:NONE | 17:NONE | 18:NONE |
| 19:CONF  | 20:SPD   | 21:LNR  | 22:PAGE | 23:CBK  | 24:MSG  |

### Default 12 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:NONE | 06:TG9 |
|----------|----------|---------|---------|---------|---------|
| 07:CONF  | 08:SPD   | 09:LNR  | 10:PAGE | 11:CBK  | 12:MSG |

### Default 32 Button Add-On Module

| 01:DS | 02:DS | 03:DS | 04:DS |
|-------|-------|-------|-------|
| 05:DS | 06:DS | 07:DS | 08:DS |
| 09:DS | 10:DS | 11:DS | 12:DS |
| 13:DS | 14:DS | 15:DS | 16:DS |
| 17:DS | 18:DS | 19:DS | 20:DS |
| 21:DS | 22:DS | 23:DS | 24:DS |
| 25:DS | 26:DS | 27:DS | 28:DS |
| 29:DS | 30:DS | 31:DS | 32:DS |

### Default 7 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:NONE |
|----------|----------|---------|
| 04:NONE  | 05:NONE  | 06:NONE |
|          | 07:MSG   |         |

## MMC: 723

- ### iDCS KEYSETS

### iDCS 28D - Default 28 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:MESSAGE |
|----------|----------|---------|---------|------------|
| 06:NONE | 07:NONE | 08:NONE | 09:NONE | 10:NONE |
| 11:NONE | 12:NONE | 13:NONE | 14:NONE | 15:NONE |
| 16:NONE | 17:NONE | 18:NONE | 19:NONE | 20:NONE |

| 21:NONE | 25:NONE |
|---------|---------|
| 22:NONE | 26:NONE |
| 23:MEMORY | 27:REDIAL |
| 24:TRANSFER | 28:SPEAKER |

### iDCS 18D - Default 18 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:NONE | 04:NONE | 05:MESSAGE |
|----------|----------|---------|---------|------------|
| 06:NONE | 07:NONE | 08:NONE | 09:NONE | 10:NONE |

| 21:NONE | 25:NONE |
|---------|---------|
| 22:NONE | 26:NONE |
| 23:MEMORY | 27:REDIAL |
| 24:TRANSFER | 28:SPEAKER |

### iDCS 8D - Default 8 Button Keyset

| 01:CALL1 | 02:CALL2 | 03:MESSAGE | 04:TRANSFER |
|----------|----------|------------|-------------|
| 05:NONE | 06:NONE | 07:NONE | 08:SPEAKER |

## MMC: 723

### Programmable Key Assignments

| | |
|---|---|
| ACCT: | ACCOUNT |
| ALARM: | ALARM RING ANSWER |
| AN/RLS: | ANSWER/RELEASE |
| BARGE: | BARGE-IN |
| BLOCK: | OHVA BLOCK |
| BOSS: | BOSS/SECRETARY |
| CALL: | CALL BUTTON |
| CAMP: | STATION CAMP-ON |
| CANMG: | MESSAGE CANCEL |
| CBK: | CALLBACK |
| CID: | CALLER ID* |
| CONF: | CONFERENCE |
| CR: | CALL RECORD KEY |
| CS: | CALL STATUS |
| CSNR: | CALLER ID SAVE NUMBER REDIAL* |
| DICT: | DICTATION |
| DIR: | DIRECTORY |
| DLOCK: | DOOR LOCK |
| DND: | DO NOT DISTURB |
| DP: | DIRECT PICKUP |
| DS: | DSS KEY |
| DT: | DTS KEY |
| EXT MIC: | EXTERNAL MICROPHONE** |
| FAUTO: | FORCED AUTO ANSWER |
| FLASH: | FLASH |
| FWRD: | CALL FORWARD |
| GPIK: | GROUP PICKUP |
| HDSET: | HEADSET MODE |
| HLDPK: | HOLD PICKUP |
| HOLD: | HOLD |
| IG: | IN/OUT OF GROUP |
| INQUIRE: | INQUIRE (CID)* |
| ISPY: | CID SPY* |
| LCR: | LEAST COST ROUTING |
| LISTN: | GROUP LISTENING |
| LNR: | LAST NUMBER REDIAL |
| MMPA: | MEET ME PAGE ANSWER |
| MMPG: | MEET ME PAGE |
| MSG: | MESSAGE |
| MUTE: | MUTE |
| NEW: | NEW CALL |
| NIGHT: | NIGHT SERVICE |
| NND: | NAME NUMBER DATE (CID)* |

## MMC: 723

|         |                              |
|---------|------------------------------|
| NXT:    | NEXT (CID)*                  |
| OHVA:   | OFF-HOOK VOICE ANNOUNCE       |
| OPER:   | OPERATOR                     |
| PAGE:   | PAGE                         |
| PAGPK:  | PICKUP PAGE HOLD             |
| PMSG:   | PROGRAMMED STATION MESSAGE   |
| REJECT: | OHVA REJECT                  |
| RETRY:  | AUTO REDIAL ON BUSY          |
| REVW:   | REVIEW (CID)*                |
| SG:     | STATION GROUP                |
| SETMG:  | SET MESSAGE W/O RING         |
| SNR:    | SAVED NUMBER REDIAL          |
| SPD:    | SPEED DIAL                   |
| SPK:    | SPEAKER**                    |
| STORE:  | STORE DISPLAYED NUMBER (CID)* |
| TG:     | TRUNK GROUP                  |
| TIMER:  | TIMER                        |
| TRSF:   | TRANSFER**                   |
| UA:     | UNIVERSAL ANSWER             |
| VM:     | VOICE MAIL MEMO*             |
| VMADM:  | VOICE MAIL ADMINISTRATION*   |
| VMAME:  | ANSWER MACHINE EMULATION*    |
| VMMSG:  | VOICE MAIL MESSAGE KEY*      |
| VT:     | VOICE MAIL TRANSFER*         |

NOTE: Items marked with an asterisk (*) require optional hardware and/or software. Items marked with double asterisks (**) indicate iDCS keyset specific feature keys.

## MMC: 724      DIAL NUMBERING PLAN

## DESCRIPTION:

Provides the access codes and dialing plan needed for the operation of features and programs. The system comes with a wide range of acceptable numbering plans set as default and the option to customize the dialing plan. There is also an error message provided because of the chance of duplicating an access/feature code. Dialing codes are entered via the dial pad key by pressing the dial pad number the required steps to select the feature. For example, for OHVA, the number 6 would be pressed three times. NOTE: Please remember that this program is system-wide.

### DIAL KEYPAD

| COUNT→ | 1 | 2 | 3 |
|---|---|---|---|
| DIAL 2 | ACCT | BGM | CAMP |
| DIAL 3 | DICT | DICT | FAUTO |
| DIAL 4 | GPIK | HLDPK | IOG |
| DIAL 5 | LCR | LCR | LCR |
| DIAL 6 | MMPA | NEW | OHVA |
| DIAL 7 | PAGE | REJECT | SG |
| DIAL 8 | TG | UA | |
| DIAL 9 | WCOS | WCOS | WCOS |

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**

**DISPLAY**

1. Press TRSF
   Display shows

   ```
   DIAL NUMBER PLAN
   ACCT  :47      →
   ```

2. Using the chart, press dial pad key
   number to make selection
   OR
   Press UP or DOWN key to make selection and
   press RIGHT soft key to advance cursor

   ```
   DIAL NUMBER PLAN
   DICT  :NONE  →_
   ```

3. Enter digits (e.g., 68) via the dial keypad

   ```
   DIAL NUMBER PLAN
   DICT :NONE  →68
   ```

## MMC: 724

4.  Press LEFT soft key to enter change and
    continue to make changes
            OR
    Press RIGHT soft key to enter and return to
    step 2; if a error message appears indicating
    duplication of access code, enter 1 for YES for
    change or enter 0 for NO for no change

```
SAME DIAL EXIST
CHANGE? Y:1,N:0
```

```
SAME DIAL EXIST
CHANGE? Y:1,N:0
```

5.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC

**DEFAULT DATA: SEE BELOW**

**RELATED ITEMS: ALL PROGRAMS AND FEATURES**

| | | | |
|---|---|---|---|
| ABAND | NONE | MMPA | 56 |
| ACCT | 47 | MMPG | 54 |
| ALM | NONE | MSG | 43 |
| AUTH | ✱ | NEW | NONE |
| BARGE | NONE | NIGHT | NONE |
| BGM | 371–372 | OHVA | NONE |
| BLOCK | NONE | OPER | 0 |
| BOSS | NONE | PAGE | 55 |
| CAMP | 45 | PAGPK | 10 |
| CANMG | 42 | PMSG | 48 |
| CBK | 44 | REJECT | NONE |
| CONF | 46 | RETRY | NONE |
| CB | 381 | ROP | 3601–3639 |
| DICT | NONE | SETMG | 41 |
| DIR | NONE | SGP | 500–529 |
| DIRPK | 65 | SNR | 17 |
| DISALM | 58 | SPEED | 16 |
| DLOCK | 13 | STN | 201–299, 301–349 |
| DND | 40 | TGP | 9, 80–89 |
| FAUTO | 14 | TRK | 701–799 |
| FLASH | 49 | UA | 67 |
| FWD | 60 | VMADM | NONE |
| GRPK | 66 | VMAME | NONE |
| HLDPK | 12 | VMMEM | NONE |
| IG | 53 | VMMSG | NONE |
| LCR | NONE | WCOS | 59 |
| LISTN | NONE | | |
| LNR | 19 | | |

NOTE: Items marked with an asterisk require optional hardware and/or software.

# MMC: 725                    SMDR OPTIONS

## DESCRIPTION:

This MMC allows the system administrator to select the information to be printed on the SMDR report. The following options may be selected to print on SMDR.

| | |
|---|---|
| 0. PAGE HEADER | This option determines whether or not a page header will print at the top of each page. This feature is normally turned off if SMDR is sent to a call accounting machine. |
| 1. LINE PER PAGE | This option selects the length of each page to determine when to print the SMDR header. The number of lines may be in the range 01–99. |
| 2. INCOMING CALL | This option determines whether or not incoming calls will print on SMDR. |
| 3. OUTGOING CALL | This option determines whether or not outgoing calls will print on SMDR. |
| 4. AUTHORIZE CODE | This option determines whether or not authorization codes will print on SMDR. |
| 5. LESS START TIME | This option determines whether or not valid calls will include the minimum call time in total call duration. |
| 6. IN/OUT GROUP | This option allows a message, IN GROUP or OUT GROUP, to be printed in the Digits Dialed column each time a station enters or leaves a group. |
| 7. DND CALL | This option allows a message, IN DND or OUT DND, to be printed in the Digits Dialed column each time a station enters or leaves DND. |
| 8. WAKE-UP CALL | This option determines whether or not stations receiving an alarm reminder call will print on SMDR. |
| 9. DIRECTORY NAME | This option allows the system administrator to enter a 16 character name which will appear on the SMDR header. |

### MMC: 725

| 10. CALLER ID | This option can be selected to print Caller ID data received from the Central Office on incoming calls. This option requires the use of a 132 column (wide carriage) printer or an 80 column printer set for condensed print. |
|---|---|

The DIRECTORY NAME that appears on the SMDR header is programmed as follows. Names are written using the keypad. Each press of a key will select a character. Pressing the next key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" four times to get the letter "S." Now press the number "2" twice to get the letter "A." Continue selecting characters from the table below to complete your message.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the right soft key to move the cursor to the right.

## • **DCS KEYSETS**

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✶ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✶ | : | = | [ | ] | ✶ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

## MMC: 725

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPEAKER | Used to store data and advance to next MMC |

**ACTION**

**DISPLAY**

1. Press TRSF 725
   Display shows

   ```
   PAGE HEADER
   PRINT : YES
   ```

2. Dial the option number (e.g., 1)
        OR
   Use the UP and DOWN keys to scroll through the options and press the RIGHT soft key to select an option

   ```
   LINE PER PAGE
   66 LINE / PAGE
   ```

## MMC: 725

3.  Enter the number of lines per page in the
    range 01–99 (e.g., 50)
            OR
    Use UP and DOWN to change number of
    lines and press the RIGHT soft
    key to save the data and return to step 2

```
50 LINE / PAGE
LINE PER PAGE
_
```

4.  If option 0 is selected at step 2

```
PAGE HEADER
PRINT : YES
```

5.  If option 2 is selected at step 2

```
INCOMING CALL
PRINT : YES
```

6.  If option 3 is selected at step 2

```
OUTGOING CALL
PRINT : YES
```

7.  If option 4 is selected at step 2

```
AUTHORIZE CODE
PRINT : NO
```

8.  If option 5 is selected at step 2

```
LESS START TIME
PRINT : YES
```

9.  If option 6 is selected at step 2

```
IN/OUT GROUP
PRINT : YES
```

10. If option 7 is selected at step 2

```
DND CALL
PRINT : YES
```

11. If option 8 is selected at step 2

```
WAKE-UP CALL
PRINT : YES
```

12. If option 9 is selected at step 2

```
DIRECTORY NAME
_
```

12a. Enter the 16 character name as described
     above

```
DIRECTORY NAME
SAMSUNG DCS
```

12b. Press RIGHT key to save name and
     return to step 2

```
DIRECTORY NAME
SAMSUNG DCS
```

13. If option 10 is selected at step 2

```
CALLER ID DATA
PRINT : YES
```

**MMC: 725**

14.   After all desired options have been selected,
      press TRSF to exit
            OR
      Press SPK to exit and advance to next MMC


**DEFAULT DATA:**      **PAGE HEADER          YES**
                   **LINE PER PAGE        66**
                   **INCOMING CALL        NO**
                   **OUTGOING CALL        YES**
                   **AUTHORIZE CODE       NO**
                   **LESS START TIME      YES**
                   **IN/OUT GROUP         NO**
                   **DND CALL             NO**
                   **WAKE-UP CALL         YES**
                   **DIRECTORY NAME       NO DEFAULT DEFINED**

**RELATED ITEMS:   MMC 300 CUSTOMER ON/OFF PER STATION**

## MMC: 726                    VM/AA OPTIONS

## DESCRIPTION:

Provides a flexible means of setting in band signaling for voice mail or auto attendant parameters. There are eight main options for programming and several sub-options to customize the application. Main options are listed in bold type with the sub-options listed in normal type. Simple YES/NO, numeric and alpha characters are all the requirements needed for the setting of VM/AA.

The following options may be selected for VM/AA operation:

In band signaling OPTIONS LIST 0–7

| | | |
|---|---|---|
| 0. EXT FOR DN1 | | DTMF information for the station that called the VM/AA port station that is forwarded to VM/AA port. |
| 1. TRK FOR DN1 | | DTMF information for the trunk that called the VM/AA port. |
| 2. EXT FOR DN2 | | DTMF information for the station that originated the call to a station that is forwarded to a VM/AA port. |
| 3. TRK FOR DN2 | | DTMF information for the trunk that called a station forwarded to a VM/AA port. |
| 4. SEPERATOR | | In cases where DN2 is used, this specific digit is sent between the DN1 and the DN2 information. Both DN1, DN2 must be set to YES for SEPERATOR to be sent. |
| 5. DISCONECT SIGNAL | | This signal is sent when the calling station or C.O. line hangs up. |
| 6. CALL TYPE ID | | Under this VM/AA option is several customizing applications. |
| | 0.  DIRECT CALL | A call originating directly from another station in the system. |
| | 1.  ALL FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set. |

## MMC: 726

| | |
|---|---|
| 2. BSY FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set. |
| 3. NOA FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set. |
| 4. RECALL | A call is recalling the VM/AA port after being transferred and not answered. |
| 5. DIR TRK CALL | A C.O. call has gone directly to VM/AA (e.g., trunk 717 DIL to VM/AA). |
| 6. OVERFLOW | A call has OVERFLOWED to the VM/AA port from a station group. |
| 7. DID CALL | A DID call has called the VM/AA port. |
| 8. MESSAGE CALL | A message button or message reply feature code has been used to call the VM/AA port. |
| 7. CALL PROGRESS TONES | DTMF digits can be sent in place of normal system tones. Digits can be assigned to the following tones: |

| TONES | VALUE |
|---|---|
| 0. DIAL TONE | BA |
| 1. BUSY TONE | 4 |
| 2. RNGBACK TONE | 5 |
| 3. DND NO MORE | 6 |
| 4. HDSET ANSWER | 3 |
| 5. SPKER ANSWER | 2 |

## PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used in some fields where a value is entered or deleted |
| A | Used to input alpha character "A" |
| B | Used to input alpha character "B" |
| C | Used to input alpha character "C" |

## MMC: 726

**ACTION**                                          **DISPLAY**

1. Press TRSF 726                               ```
   Display shows                                EXT FOR DN1
                                                YES
                                                ```

2. Enter the OPTION number from above list      ```
   (e.g., 4)                                    SEPERATOR
           OR                                   NO
   Press UP or DOWN key to make selection       ```
   Press LEFT soft key to move cursor

3. Enter 1 for YES or 0 for NO                   ```
           OR                                   SEPERATOR
   Press UP or DOWN key for selection and       YES
   press RIGHT soft key to return to step 2     ```

4. If option 0 is selected at step 2            ```
                                                EXT FOR DN1
                                                YES
                                                ```

5. If option 1 is selected at step 2            ```
                                                TRK FOR DN1
                                                YES
                                                ```

6. If option 2 is selected at step 2            ```
                                                EXT FOR DN2
                                                NO
                                                ```

7. If option 3 is selected at step 2            ```
                                                TRK FOR DN2
                                                NO
                                                ```

8. If option 4 is selected at step 2            ```
   (A valid entry consists of digits 0–9 or alpha   SEPERATOR
   characters A–C)                              NO
                                                ```

9. If option 5 is selected at step 2            ```
   (A valid entry consists of digits 0–9 or alpha   DISCONECT SIGNAL
   characters A–C)                              C
                                                ```

10. If option 6 is selected at step 2           ```
    (A valid entry consists of digits 0–9 or alpha   CALL TYPE ID
    characters A–C)                             DIRECT CALL : NO
    See above list under the CALL TYPE ID       ```
    options list

11. If option 7 is selected at step 2           ```
    (A valid entry consists of digits 0–9 or alpha   PROGRESS TONE ID
                                                DIAL TONE    :B
                                                ```

**MMC: 726**

characters A–C)
See above list under the PROGRESS TONE ID


**DEFAULT DATA:  ALL SET TO NO**
                **EXT FOR DN1 = YES**
                **TRK FOR DN1 = YES**
                **EXT FOR DN2 = NO**
                **TRK FOR DN2 = NO**
                **SEPARATOR = NO**
                **DISCONNECT SIGNAL = C**
                **CALL TYPE ID = NO (ALL)**
                **PROGRESS TONE ID = BA**

**RELATED ITEMS: MMC 207 ASSIGN VM/AA PORT**

## MMC: 727     SYSTEM VERSION DISPLAY

# DESCRIPTION:

This MMC is only used for system version display. This is a READ ONLY MMC. *It applies **only** to DCS Compact systems with Version 2.x software.*

**PROGRAM KEYS**

SPK                             Used to store data and advance to next MMC

**ACTION**                                          **DISPLAY**

1.  Press TRSF 727
    Display shows

```
ROM VERSION
,94.03.23. V01.00
```

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 728                    CID TRANSLATION TABLE

## DESCRIPTION:

Allows the system administrator or technician to associate a CID number received from the central office with a name programmed in this translation table. If there is no match between a received number and a name in this table, "no CID name" will be displayed.

The translation table consists of 250 entries with each entry comprised of a ten digit telephone number and a 16 digit name.

Names are written using the keypad. Each press of a key will select a character. Pressing the next key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message.

NOTE: When the character you want appears on the same dial pad key as the previous character, press the VOL UP key to move the cursor to the right.

- ## DCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|--------|-------|---|---|----|---|
| DIAL 0 | Q | Z | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | R | S | & | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | ( | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

The # key can be used for the following special characters: #, space, &, !, :, ?, ., %, $, -, <, >, /, =, [, ], @, ^, (, ), _, +, {, }, |, ;, \, " and ~.

**MMC: 728**

## • iDCS KEYSETS

| COUNT | 1 | 2 | 3 | 4 | 5 |
|-------|-----|-----|-----|-----|-----|
| DIAL 0 | < | > | . | ) | 0 |
| DIAL 1 | space | ? | , | ! | 1 |
| DIAL 2 | A | B | C | @ | 2 |
| DIAL 3 | D | E | F | # | 3 |
| DIAL 4 | G | H | I | $ | 4 |
| DIAL 5 | J | K | L | % | 5 |
| DIAL 6 | M | N | O | ^ | 6 |
| DIAL 7 | P | Q | R | S | 7 |
| DIAL 8 | T | U | V | ✱ | 8 |
| DIAL 9 | W | X | Y | Z | 9 |
| DIAL ✱ | : | = | [ | ] | ✱ |

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. Other symbols are available for DIAL #.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear previous entry |

**ACTION**                                   **DISPLAY**

1. Press TRSF 728
   Display shows first entry

   ```
   TRANSLATION(001)
   DIGIT:
   ```

2. Dial entry number (e.g., 005)
          OR
   Use UP and DOWN to scroll through entries
   Press RIGHT soft key to select entry

   ```
   TRANSLATION(005)
   DIGIT:
   ```

## MMC: 728

3.  Enter telephone number and press RIGHT
    soft key to advance to name entry
            OR
    Enter telephone number and press
    LEFT soft key to return to step 2

```
TRANSLATION(005)
DIGIT:3054264100
```

4.  Enter associated name as described
    above and press RIGHT or LEFT soft key
    to return to step 2
            OR
    Press SPK to save and advance to next
    MMC
            OR
    Press TRSF to save and exit programming

```
TRANSLATION : 005
SAMSUNG TELECOM
```

**DEFAULT DATA: NONE**

**RELATED ITEMS:**   **MMC 312 ALLOW CID**
                     **MMC 414 ASSIGN CID**
                     **MMC 608 ASSIGN REVIEW BLOCKS**

# MMC: 740      VM CARD RESTART

## DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail Card.

There are two options available in this MMC:

### DOWNLOAD

When the CADENCE / SVMi-4 card starts, part of the power up procedure will download data from the 50si to determine time, date, what mailboxes to create, and system numbering plan. This must be done at least once, but once done this download feature can be turned off to save boot up time.

### CARD RESTART

If this option is set to YES the CADENCE / SVMi-4 card will immediately restart according to the download OPTION SPECIFIED ABOVE.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Changes MMC data between YES and NO |
| KEYPAD | 0 and 1 will change data and advance to other option |
| SPK | Used to store data and advance to next MMC |

ACTION

DISPLAY

1. Press TRSF 740
   Display shows

   ```
   VM CARD RESTART
   DOWNLOAD   ? YES
   ```

2. Dial 0 for NO to set option and advance

3. Display shows

   ```
   VM CARD RESTART
   CARD RESTART? NO
   ```

4. Dial 0 for NO to set option and advance

5. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**MMC: 740**

**DEFAULT DATA:** **CARD RESTART: NO**
**DOWNLOAD: YES**

**RELATED ITEMS:** **NONE**

# MMC: 741                    ASSIGN MAILBOX

## DESCRIPTION:

This MMC is only used for Samsung Plug In Voice Mail card. It assigns each station or group as having a mailbox in a specific group. When stations or groups are assigned to a group, during Voice Mail card power up mailboxes will be created for each directory number with a "YES" entry. (If MMC 740 is set to DOWNLOAD = YES)

Once the Voice Mail database has been created new boxes can be added:

a)  Through Voice Mail administration,
b)  By adding a new mailbox in this MMC.

A mailbox can be removed using this MMC only if it was created by this MMC.
A mailbox cannot be removed using this MMC if it was created by SVMi-4 administration.

If a station that do not have an associated voice mail box, call the Voice Mail system they will be answered by the Voice Mail system main greeting.

NOTE: The groups that are supported are 500 to 529 (529 being the Voice Mail group). Mailboxes that are needed for people that do not have an extension must be added through Voice Mail programming.

### PROGRAM KEY

| | |
|---|---|
| UP & DOWN | Selects station number |
| KEYPAD | Selects station number |
| SPK | Used to store data and advance to next MMC |

### ACTION                                    DISPLAY

1.  Press TRSF 741
    Display shows

```
[741] ASSIGN MBX
201 : YES
```

2.  Dial station number
         OR
    Press UP or DOWN to scroll the number

```
[741] ASSIGN MBX
[225] : YES
```

## MMC: 741

3.  Press RIGHT soft key to move cursor

```
[741] ASSIGN MBX
[225] : YES
```

4.  Enter YES or NO

```
[741] ASSIGN MBX
[225] : NO
```

5.  Press TRSF to store and exit
    OR
    Press SPK to store and advance
    to next MMC

**DEFAULT DATA: ALL STATIONS = YES**

**RELATED ITEMS: SVMi-4 CARD**

# MMC: 743                                      AUTO RECORD

## DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail card.

Some specific stations in the phone system can be assigned to automatically record conversations. When this option is set all incoming, all outgoing or all calls (incoming and outgoing) will be automatically recorded in the mailbox of your choice.

When this option is selected a specific port must be assigned for each station set to automatic conversation recording or the effectiveness of this feature cannot be guaranteed.

In this MMC you can assign:

1.  Which stations use this feature. —Station number
2.  What mailbox the conversation are recorded in. —Mailbox number equal to a station number
3.  What type of conversations are recorded, in, out or both. —I,O or B
4.  What port is dedicated to the station. —Voice mail channel/port number

A maximum of 4 stations can use this feature in the DCS COMPACT at the same time as it requires a SVM port.

The same port cannot be assigned to more than one station. Attempts to do this will result in an error message.

When a Voice Mail channel is assigned here, it is automatically removed from the Voice Mail group (529) defined in MMC 601.

WARNING: Before using this feature make sure that you are not violating any state or federal laws. Some states require that the recorded party be notified. STA is not responsible for any illegal use of this feature.

## PROGRAM KEY

| | |
|---|---|
| UP & DOWN | Selects station number |
| KEYPAD | Selects station number |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |

## MMC: 743

**ACTION**

**DISPLAY**

1. Press TRSF 743
   Display shows

   ```
   [743]AUTO RECORD
   STN:201 :MB:None
   ```

2. Dial station number
       OR
   Press UP or DOWN to select the number

   ```
   [743]AUTO RECORD
   STN:205 :MB:None
   ```

3. Press RIGHT soft key to move cursor

   ```
   [743]AUTO RECORD
   STN:205 :MB:_
   ```

4. Enter mailbox number using number
   Keys (e.g., 299)

   ```
   [743]AUTO RECORD
   STN:205 :MB:299
   ```

5. Press right SOFT key to move cursor.
   Enter VM channel number using keypad
   or UP or DOWN

   ```
   [743]AUTO RECORD
   PORT:_    :CALL:
   ```

6. Press RIGHT soft key to move cursor
   Enter call data, I, O or B.

   ```
   [743]AUTO RECORD
   PORT:238 :CALL:B
   ```

7. Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC

8. Enter 0 for non urgent or 1 for urgent


**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 745                          VM DESTINATION

## DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail card.

This MMC provides an emergency destination for trunk/station calls to group 529. If the Voice Mail card is removed or is offline.

In addition any calls to a station forwarded to the Voice Mail card will not forward, they will remain ringing at the "fwd from" station until answered.

The destination can be a station number or a group number. This destination is also used for the HDD alarm destination (MMC 747).

### PROGRAM KEY

| | |
|---|---|
| UP & DOWN | Selects destination station number |
| KEYPAD | Selects destination station number |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |

**ACTION**                                      **DISPLAY**

1. Press TRSF 745
   Display shows

```
VM DESTINATION
DEST:500
```

2. Dial station number
        OR
   Press UP or DOWN to scroll to number

```
VM DESTINATION
DEST:213
```

3. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: VOICE MAIL DESTINATION = 500**

**RELATED ITEMS:   MMC 747 DRIVE ALARM
                   SVMi-4 CARD**

# MMC: 746                                    VM HALT

## DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail card.

This MMC is used to halt the Voice Mail card (take it offline). No calls will be disconnected, however no new IN/OUT bound calls are established. It ensures that there is no traffic on the Voice Mail card when it is removed from the system.

**NOTE:** THIS OPERATION SHOULD BE PERFORMED BEFORE REMOVING THE VOICE MAIL CARD FROM THE DCS COMPACT SYSTEM. YOU CAN NOT HALT THE VOICE MAIL CARD USING MMC 810.

## PROGRAM KEY

| | |
|---|---|
| UP & DOWN | 1 = processing, 0 = halt |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |

## ACTION                                    DISPLAY

1. Press TRSF 746
   Display shows

   ```
   [746]VM HALT
   STATUS:PROC
   ```

2. Enter 1 to halt
        OR
   0 to process to scroll to number

   ```
   [746]VM HALT
   STATUS:HALT
   ```

3. Display shows:
   Press # to confirm

   ```
   [746]VM HALT
   ARE YOU SURE?:_
   ```

4. Display shows:

   ```
   [746]VM HALT
   STATUS:HALTED
   ```

5. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: SVMi-4 CARD – LED INDICATIONS**

# MMC: 747                    VM DRIVE ALARM

## DESCRIPTION:

The MMC will generate an alarm message at the destination assigned in MMC 745 whenever the Voice Mail disk drive reaches a predefined threshold.

The threshold is measured in % full. This means that if the MMC is set for 80, the alarm will be generated when the disk exceeds 80% of the available drive space.

### PROGRAM KEY

| | |
|---|---|
| KEYPAD | Used to enter new threshold value |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |

### ACTION                                    DISPLAY

1. Press TRSF 747
   Display shows

   ```
   [747]VM ALARM
   THRESHOLD:80
   ```

2. Enter new threshold level

   ```
   [747]VM ALARM
   THRESHOLD:75
   ```

3. Press TRSF to store and exit
        OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: 80%**

**RELATED ITEMS:**   **MMC 745 VM DESTINATION**
                     **SVMi-4 CARD**

# MMC: 748                    ASSIGN VMMOH

## DESCRIPTION:

This MMC is used to assign each a Music on Hold source for the DCS COMPACT from a sound file located on the SVMi-4 hard disk drive. The 100 available sound files are defined as numbers 5001 to 5099, but are referred to in this MMC as 00-99.

Make sure you record the sound file first. The next step is to assign the sound file to a SVMi-4 port. For example, if you record sound file 5025 you would associate 25 with a specific SVMi-4 port, e.g. 225. This will dedicate the port for use only as MOH and remove it from group 529. Now 225 will show up as a valid music source in MMC 308, 309 and 408.

Each Music on Hold source assigned here requires one **DEDICATED** SVMi-4 port/channel.

Note: If the first SVMi-4 port is used for VMMOH, it must be disabled before boot up since SVMi-4 and the DCS use port 1 during boot up to exchange critical information. For this reason we suggest you use the last port(s) as VMMOH ports.

### PROGRAM KEY

| | |
|---|---|
| KEYPAD | Used to enter SVMI-4 port or sound file number |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |
| UP and DOWN | Used to select SVMI-4 port or sound file number |

**ACTION**                                          **DISPLAY**

1. Press TRSF 748
   Display shows

   ```
   SET VMMOH
   [225] NOT USED
   ```

2. Press UP or DOWN to select SVMI-4
   port

   ```
   SET VMMOH
   [228] NOT USED
   ```

3. Move cursor to next field.
   Press UP or DOWN to select sound file

   ```
   SET VMMOH
   [228] 25
   ```

4. Press TRSF to store and exit
      OR
   Press SPK to store and advance to next MMC

## MMC: 748

**DEFAULT DATA: ALL SVMI-4  PORTS NOT USED FOR SOUND FILE**

**RELATED ITEMS:**   **MMC 308 ASSIGN BACKGROUND MUSIC SOURCE**
**MMC 309 ASSIGN STATION MUSIC ON HOLD**
**MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**
**SVMi-4 CARD**

# MMC: 749           VM PORT IN/OUT

## DESCRIPTION:

This MMC is used to assign each Voice Mail Port as used for incoming, outgoing or both way calls. Note that this MMC must be sent to support outgoing calls if off premises notification (beeper, outbound follow me of outbound notification) is used.

**PROGRAM KEY**

| | |
|---|---|
| KEYPAD | Used to enter new value |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to delete an entry |

**ACTION**

**DISPLAY**

1. Press TRSF 749
   Display shows

   ```
   VM IN / OUT
   [225] IN
   ```

2. Press UP or DOWN to view options

   ```
   VM IN / OUT
   [225] OUT
   ```

3. Press UP or DOWN to select option

   ```
   VM IN / OUT
   [225] OUT
   ```

4. Press TRSF to store and exit
       OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: ALL PORTS IN / OUT**

**RELATED ITEMS: SVMi-4 CARD**

## MMC: 800          ENABLE TECHNICIAN PROGRAM

## DESCRIPTION:

Used to open and close technician level programming. If programming is not opened and an attempt is made to access a system MMC, the error message "ACCESS DENIED" will be displayed.

A four digit passcode is required to access this MMC. Each character can be digits 0–9 or ✱. When opened, this MMC enables access to all MMCs.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

**ACTION**                                    **DISPLAY**

1. Press TRSF 800
   Display shows

   ```
   ENABLE TECH.PROG
   PASSCODE:
   ```

2. Enter passcode

   ```
   ENABLE TECH.PROG
   PASSCODE:4321
   ```

   Correct code shows

   ```
   ENABLE TECH.PROG
   DISABLE TENANT:1
   ```

   Incorrect code shows

   ```
   ENABLE TECH. PROG
   PASSCODE ERROR
   ```

3. Press UP or DOWN to open or close
         OR
   Enter 1 to enable or enter 0 to disable
   Press RIGHT soft key to move to tenant
   number and enter tenant number (1–2)

   ```
   ENABLE TECH.PROG
   ENABLE   TENANT:1
   ```

   ```
   ENABLE TECH.PROG
   ENABLE   TENANT:1
   ```

4. Press SPK to advance to MMC entry level

   ```
   801:TEC.PASSCODE
   SELECT PROG.ID
   ```

## MMC: 800

5. Enter the MMC desired (e.g., 209)

```
209:AOM MASTER
AOM NOT EXIST
```

6. To log out and return to MMC 800, press UP
   or DOWN key to select DISABLE TENANT:1
           OR
   Press SPK then TRSF to return to normal
   display
   Programming option will time out

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 801          CHANGE TECHNICIAN PASSCODE

## DESCRIPTION:

Used to change the passcode allowing access to MMC 800 Enable Techncian Program from its current value.

NOTE: The passcode is four characters long. Each character can be digits 0–9 or ✱. The current or "old" passcode is required for this MMC.

**PROGRAM KEYS**

|  |  |
|---|---|
| KEYPAD | Used to enter passcodes |
| SPK | Save data and advance to next MMC |

**ACTION**                                                    **DISPLAY**

1.  Press TRSF 801

```
TECH. PASSCODE
NEW CODE:_
```

2.  Enter new passcode

```
TECH. PASSCODE
NEW CODE:****
```

3.  Enter new passcode again

```
TECH. PASSCODE
VERIFY  :****
```

4.  If passcode is correct, press RIGHT soft key
    to continue and enter desired MMC

```
TECH. PASSCODE
VERIFY SUCCESS
```

5.  If passcode is incorrect

```
TECH. PASSCODE
VERIFY:FAILURE
```

6.  System returns to step 2

```
TECH. PASSCODE
NEW CODE:****
```

7.  Press TRSF to store and exit
         OR
    Press SPK to save and advance to next
    MMC

**DEFAULT DATA: DEFAULT PASSCODE = 1234**

**RELATED ITEMS: MMC 800 ENABLE TECHNICIAN PROGRAM**

## MMC: 802        CUSTOMER ACCESS MMC NUMBER

## DESCRIPTION:

Allows the customer to have access to certain MMCs. For example, it is advised that the customer have access to MMC 102 Call Forward for call forwarding but it is not advised that the customer have access to MMC 710 LCR DIgit Table for LCR dial plans. This MMC is for both tenants.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

**ACTION**                                    **DISPLAY**

1. Press TRSF 802
   Display shows

```
MMC TENANT:1
100:STN LOCK:YES
```

2. Enter desired tenant number (1–2) via dial keypad
          OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

```
MMC TENANT:1
100:STN LOCK:YES
```

3. Enter desired MMC number via dial keypad
          OR
   Press UP or DOWN key to make selection
   and press RIGHT soft key to move cursor

```
MMC TENANT:1
102:CALL FWD:YES
```

4. Enter  1 for YES or 0 for NO via dial keypad
          OR
   Press UP or DOWN key to make selection
   and press LEFT soft key to return to step 3
   to make additional entries

```
MMC TENANT:1
102:CALL FWD:NO
```

5. Press TRSF to store and exit
          OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 804      SYSTEM I/O PARAMETER

## DESCRIPTION:

Provides a means of setting parameters for the serial I/O ports to work with either a personal computer or with SMDR recording.  Programming can be accomplished easily with the tables below to customize either I/O port.

PARAMETER OPTIONS

| | | |
|---|---|---|
| Dial 0 | Service | Type of Service |
| Dial 1 | Baud Rate | Speed |
| Dial 2 | Char Length | Character Length |
| Dial 3 | Parity | Parity Bit |
| Dial 4 | Retry Count | Number of Retries |
| Dial 5 | Stop Bit | Stop Bit |
| Dial 6 | Wait Time | Message Wait Time |
| Dial 7 | DSR Check | Wait for DSR |

SERVICE TYPE

| | |
|---|---|
| Dial 0 | PCMMC |
| Dial 1 | SMDR |
| Dial 2 | Not used |

PARITY

| | |
|---|---|
| Dial 0 | None |
| Dial 1 | Odd |
| Dial 2 | Even |

SPEED

| | |
|---|---|
| Dial 0 | 1200 bps |
| Dial 1 | 2400 bps |
| Dial 2 | 4800 bps |
| Dial 3 | 9600 bps |
| Dial 4 | 19200 bps |

STOP BIT

| | |
|---|---|
| Dial 1 | 1 bit |
| Dial 2 | 2 bit |

CHARACTER LENGTH

| | |
|---|---|
| Dial 7 | 7 bits |
| Dial 8 | 8 bits |

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |
| HOLD | Used to clear entry (when valid) |

## MMC: 804

**ACTION**                                          **DISPLAY**

1.  Press TRSF 804
    Display shows

    ```
    SYS I/O PORT:1
    SERVICE:PC-MMC
    ```

2.  Enter desired port via dial keypad (e.g., 2)
            OR
    Press UP or DOWN key to make selection
    and press RIGHT soft key to move cursor

    ```
    SYS I/O PORT:2
    SERVICE:SMDR
    ```

3.  Enter parameter desired via dial keypad
    (e.g., 1) from the above option list
            OR
    Press UP or DOWN key to make selection
    and press RIGHT soft key to move cursor

    ```
    SYS I/O PORT:2
    BAUD:9600 BPS
    ```

4.  Press TRSF to store and exit
            OR
    Press SPK to store and advance to next MMC


**DEFAULT DATA:  SERVICE        PORT 1     PCMMC**
**                              PORT 2     SMDR**
**                 BAUD RATE     9600 BPS**
**                 CHAR LENGTH   8 BITS**
**                 PARITY        NONE**
**                 RETRY COUNT   03**
**                 STOP BIT      1 BIT**
**                 WAIT TIME     200 MSEC**
**                 DSR CHECK     ON**

**RELATED ITEMS:  PCMMC**
**                 SMDR**

# MMC: 805     SYSTEM VERSION DISPLAY

## DESCRIPTION:

This MMC is only used for system version display. This is a READ ONLY MMC. *It applies **only** to DCS systems with Version 1.x software.*

**PROGRAM KEYS**

SPK                          Used to store data and advance to next MMC

| ACTION | DISPLAY |
|---|---|

1.  Press TRSF 805
    Display shows

```
ROM VERSION
,94.03.23. V01.00
```

Press UP or DOWN key to select other system versions

SYSTEM PROCESSOR

```
CPM VERSION
,94.03.23. V01.00
```

LOCAL PROCESSOR

```
LPM1 VERSION
,94.03.23. V01.00
```

LOCAL PROCESSOR

```
LPM2 VERSION
,94.03.23. V01.00
```

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 806                          CARD PRE-INSTALL

## DESCRIPTION:

Allows for the pre-programming of a slot for a specific card. For example, after the system is installed and a new card is added, running this program will cause the system to accept the card for what it is and not for what it is not.

### PROGRAM KEYS

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |
| SPK | Used to store data and advance to next MMC |

### ACTION                                          DISPLAY

1. Press TRSF 806
   Display shows

   ```
   CARD PRE-INSTALL
   BASIC 4TRK
   ```

2. Press UP or DOWN key to make selection
   and press RIGHT soft key

   ```
   CARD PRE-INSTALL
   204  CARD:1
   ```

3. Continue to add cards as shown in step 2
         OR
   Press TRSF to store and exit
         OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 810 HALT PROCESSING

## DESCRIPTION:

Used only in the event that all data processing needs to be stopped.

## PROGRAM KEYS

| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |

## OPTIONS

| 0 | PROCESSING |
| 1 | HALT |

## ACTION                                    DISPLAY

1. Press TRSF 810
   Display shows

   ```
   HALT/PROCESSING
   PROCESSING
   ```

2. Press UP or DOWN key to make selection
           OR
   Dial selection using above option menu
           AND
   Press RIGHT soft key

   ```
   HALT/PROCESSING
   HALT
   ```

3. Press TRSF to store and exit
           OR
   Press SPK to store and advance to next MMC

**DEFAULT DATA: PROCESSING**

**RELATED ITEMS: NONE**

# MMC: 811                           RESET SYSTEM

## DESCRIPTION:

Provides two methods of restarting the system. The first method will restart the system and clear all memory. The second method will restart the system only. If clear all memory is selected, only the default data will return. Extreme care should be taken when using this MMC. If the system is restarted, all voice/data connections are dropped. If memory is cleared, all customer data is deleted and system returns to defaulted status.

**PROGRAM KEYS**

| | |
|---|---|
| UP & DOWN | Used to scroll through options |
| KEYPAD | Used to enter selections |
| SOFT KEYS | Move cursor left and right |

**ACTION**                                    **DISPLAY**

1. Press TRSF 811
   Display shows

   ```
   SYSTEM RESTART
   RESET SYSTEM?NO
   ```

2. Press UP or DOWN key to make selection
   (RESET SYSTEM or CLEAR MEMORY)
   After selection is made, press RIGHT
   soft key to move cursor to YES/NO option

   ```
   SYSTEM RESTART
   CLEAR MEMORY?NO
   ```

3. Press UP or DOWN key to make selection
   and press RIGHT soft key

   ```
   SYSTEM RESTART
   CLEAR MEMORY?YES
   ```

4. Press UP or DOWN key to make selection
   and press RIGHT soft key *(this will erase all
   data in the system)*

   ```
   SYSTEM RESTART
   ARE YOU SURE?YES
   ```

5. System will return with default time and date
   and default extension number
        OR
   If system just restarted, it will return to
   normal programmed status

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# 2.2 DCS COMPACT DEFAULT DATA

## STATION PROGRAMS

| | | |
|---|---|---|
| 100: | STATION LOCK | ALL STATIONS UNLOCKED |
| 101: | CHANGE USER PASSCODE | ALL STATION PASSCODES = 1234 |
| 102: | CALL FORWARD | NONE |
| 103: | SET ANSWER MODE | ALL KEYSETS RING<br>RING FREQUENCY DEFAULT IS 5 |
| 104: | STATION NAME | NONE |
| 105: | STATION SPEED DIAL | NONE |
| 106: | STATION SPEED DIAL NAME | NONE |
| 107: | KEY EXTENDER | NONE |
| 108: | STATION STATUS | PORT NUMBER: ?<br>TENANT NUMBER: 1<br>PICKUP GROUP: NONE<br>STATION GROUP: NONE<br>BOSS/SECT PAIRS: NONE<br>PAGE ZONE: NONE<br>DAY COS NUMBER: 01<br>NIGHT COS NUMBER: 01 |
| 109: | CLOCK DISPLAY | COUNTRY: WESTERN<br>CLOCK: 12 HOUR CLOCK<br>DISPLAY: LOWERCASE |
| 110: | KEYSET ON/OFF | AUTO HOLD OFF<br>AUTO TIMER ON<br>HEADSET OFF<br>HOT KEYPAD ON<br>KEY TONE ON<br>PAGE REJOIN ON<br>RING PREFERENCE ON |
| 111: | KEYSET RING TONE | FREQUENCY 5 |
| 112: | ALARM REMINDER | ALARMS SET TO NOTSET |
| 113: | VIEW MEMO NUMBER | NO MEMOS ENTERED |
| 114: | OFF-HOOK RING VOLUME | RING LEVEL 4 |

115:   VACANT MESSAGE                              NO MESSAGES SELECTED

116:   ALARM AND MESSAGE                         ALARMS SET TO NOTSET

117:   ASSIGN BACKGROUND MUSIC VOLUME    VOLUME LEVEL 13

118:   STATION RING VOLUME                      ALL STATIONS SET TO LEVEL 4

## SYSTEM PROGRAMS

200:   OPEN CUSTOMER PROGRAMMING          CLOSED

201:   CHANGE CUSTOMER PASSCODE            PASSCODE = 1234

202:   CHANGE FEATURE PASSCODES            DAY/NIGHT   0000
                                                          DISA ALARM 5678
                                                          ALARM CLR  8765

203:   ASSIGN UNA DEVICE                         NONE

204:   COMMON BELL CONTROL                      CONTINUOUS

206:   BARGE-IN TYPE                              NO BARGE-IN

207:   ASSIGN VM/AA PORT                        NORMAL PORT

208:   ASSIGN RING TYPE                          NONE

209:   ASSIGN ADD-ON MODULE                     NONE FOR MASTER
                                                          OFF FOR OHVAED

210:   CUSTOMER ON/OFF PER TENANT           LCR IS OFF

211:   DOOR RING ASSIGNMENT                     STATION GROUP 500

214:   DISA ALARM RINGING STATION          DAY 500
                                                          NIGHT 500

300:   CUSTOMER ON/OFF PER STATION          ALL FEATURES SET TO ON

301:   ASSIGN STATION COS                       DAY CLASS = 01
                                                          NIGHT CLASS = 01

302:   PICKUP GROUPS                             NO PICKUP GROUPS ASSIGNED

303:   ASSIGN BOSS/SECRETARY                    NONE

304:   ASSIGN EXTENSION/TRUNK USE            DIAL = YES
                                            ANS = YES

305:   ASSIGN FORCED CODE                   NONE

306:   HOT LINE                             NONE

307:   ASSIGN OFF-HOOK SELECTION            CURRENTLY SET = NO

308:   ASSIGN BACKGROUND MUSIC SOURCE       NONE

309:   ASSIGN STATION MUSIC ON HOLD         NONE

310:   LCR CLASS OF SERVICE                 LEAST COST ROUTING COS 1

311:   ASSIGN SIM PARAMETER                 SIM TYPE = DTE
                                            CALL MODE = MANUAL
                                            ANS MODE = MANUAL
                                            AUTO BAUD = ON
                                            DTR CHECK = ON
                                            ECHO = ON
                                            PROTOCOL = V110
                                            SPEED = 9600
                                            CHAR LENGTH = 8 BITS
                                            PARITY = NONE
                                            STOP BIT = 1

400:   CUSTOMER ON/OFF PER TRUNK            1A2 EMULATE OFF
                                            TRUNK INC DND OFF
                                            TRUNK FORWARD ON

401:   C.O./PBX LINE                        ALL TRUNKS C.O. LINE

402:   TRUNK DIAL TYPE                      ALL TRUNKS DTMF

403:   TRUNK TOLL CLASS                     ALL TRUNKS F-STN DAY/NIGHT

404:   TRUNK NAME                           NO NAMES ENTERED

405:   TRUNK NUMBER                         NO NUMBERS ENTERED

406:   TRUNK RING ASSIGNMENT                ALL TRUNKS DAY: 500
                                            NIGHT: 500

407:   FORCED TRUNK RELEASE                 NONE

408:   ASSIGN TRUNK MUSIC ON HOLD SOURCE    TONE

409:   TRUNK STATUS READ

410:   ASSIGN DISA TRUNK                    ALL TRUNKS NORMAL

| 500: | SYSTEM-WIDE COUNTERS | ALARM REMINDER CNTR 5 |
| | | AUTO REDIAL COUNTER  5 |
| | | DISA INTERCOM CNTR    5 |
| | | DISA LOCK COUNTER     5 |
| | | NEW CALL COUNTER      99 |

501:   SYSTEM TIMERS                        SEE TABLE OF TIMERS AND
                                            VALUES

502:   FORWARD NO ANSWER TIMER              TIMER SET FOR 15 SECONDS

503:   TRUNK-WIDE TIMER                     SEE MMC 503

504:   PULSE MAKE/BREAK RATIO               MAKE/BREAK = 33
                                            PULSES PER SECOND = 10

505:   ASSIGN DATE AND TIME                 SAT 01 JAN 12:00

506:   TONE CADENCE                         SEE MMC 506

507:   ASSIGN AUTO NIGHT TIME               START 0000
                                            END 0000

600:   ASSIGN OPERATOR GROUP                RING MODE        NONE
                                            OVERFLOW TIME 000 SEC
                                            GRP TRSF TIME    000 SEC
                                            NEXT PORT        NONE
                                            GROUP MEMBER MEMBER 01:201
                                            OTHER MEMBER  NONE

601:   ASSIGN STATION GROUP                 NONE

602:   STATION GROUP NAME                   NONE

603:   ASSIGN TRUNK GROUP                   ALL TRUNKS ARE IN GROUP 9

604:   ASSIGN STATION TO PAGE ZONE          NO STATIONS ASSIGNED
                                            ALL ZONE IS SET

605:   ASSIGN EXTERNAL PAGE ZONE            NONE

606:   ASSIGN SPEED BLOCK                   SYSTEM: 200 ENTRIES
                                            STATIONS: ONE BIN OF TEN
                                            ENTRIES

700:   COPY COS CONTENTS                    NONE

701:   ASSIGN COS CONTENTS                  ALL OPTIONS SET TO YES

702:   TOLL DENY TABLE                      ALL ENTRIES ARE SET TO 0

703:   TOLL ALLOWANCE TABLE                 ALL ENTRIES ARE SET TO 0

704:   ASSIGN WILD CHARACTER                ALL ENTRIES ARE SET TO 0

| | | |
|---|---|---|
| 705: | ASSIGN SYSTEM SPEED DIAL | NONE |
| 706: | SYSTEM SPEED DIAL BY NAME | NO NAMES |
| 707: | AUTHORIZATION CODE | NONE |
| 708: | ACCOUNT CODE | NONE |
| 709: | PBX ACCESS CODE | NONE |
| 710: | LCR DIGIT TABLE | NONE |
| 711: | LCR TIME TABLE | NONE |
| 712: | LCR ROUTE TABLE | NONE |
| 713: | LCR MODIFY DIGIT TABLE | NONE |
| 714: | DID NUMBER AND NAME TRANSLATION | NO ENTRIES |
| 715: | VACANT MESSAGE | TEN PREPROGRAMMED MESSAGES (SEE MMC 715) |
| 720: | COPY KEY PROGRAMMING | NONE |
| 721: | SAVE STATION KEY PROGRAMMING | NONE |
| 722: | STATION KEY PROGRAMMING | SEE MMC 722 |
| 723: | SYSTEM KEY PROGRAMMING | SEE MMC 723 |
| 724: | DIAL NUMBERING PLAN | SEE MMC 724 |
| 725: | SMDR OPTIONS | PAGE HEADER = YES<br>LINE PER PAGE = 66<br>INCOMING CALL = NO<br>OUTGOING CALL = YES<br>AUTHORIZE CODE = NO<br>LESS START TIME = YES<br>IN/OUT GROUP = NO<br>DND CALL = NO<br>WAKE-UP CALL = YES<br>DIRECTORY NAME = NO<br>DEFAULT DEFINED |
| 726: | VM/AA OPTIONS | ALL SET TO NO<br>EXT FOR DN1 = YES<br>TRK FOR DN1 = YES<br>EXT FOR DN2 = NO<br>TRK FOR DN2 = NO |

SEPARATOR = NO
DISCONNECT SIGNAL = C
CALL TYPE ID = NO (ALL)
PROGRESS TONE ID = BA

| | | |
|---|---|---|
| 800: | ENABLE TECHNICIAN PROGRAM | NONE |
| 801: | CHANGE TECHNICIAN PASSCODE | DEFAULT PASSCODE = 4321 |
| 802: | CUSTOMER ACCESS MMC NUMBER | NONE |

804:   SYSTEM I/O PARAMETER

SERVICE  PORT 1 PCMMC
         PORT 2 SMDR
BAUD RATE        9600 BPS
CHAR LENGTH      8 BITS
PARITY           NONE
RETRY COUNT      03
STOP BIT         1 BIT
WAIT TIME        200 MSEC

| | | |
|---|---|---|
| 805: | SYSTEM VERSION DISPLAY | NONE |
| 806: | CARD PRE-INSTALL | NONE |
| 810: | HALT PROCESSING | NONE |
| 811: | RESET SYSTEM | NONE |

# 2.3 SPECIAL APPLICATIONS

This part of the technical manual is titled "Special Applications" because it provides information about interfacing with customer-provided equipment or using a feature in a different way than it was intended. Perhaps an application may require a combination of CPE, creative programming, unusual feature operation or all of the above.

Because these applications require installation instructions and a combination of programming sequences, there is no obvious place to put this information. Therefore, we created this part of the manual. As additional special applications are reported from the field, we will include them in this section.

# VOICE MAIL/AUTO ATTENDANT INTEGRATION

Because of the increased popularity of voice mail and auto attendant use, PROSTAR DCS COMPACT includes many programmable options to address this demand. Obviously the degree of integration that can be achieved depends on the abilities of the voice mail/auto attendant (VM/AA) system as well as the telephone system.

This list details the capabilities provided by the PROSTAR DCS COMPACT for voice mail integration.

## HARDWARE PROVISIONS

a.  The VM/AA system must be connected to single line circuits on any SLI card.
b.  Each port is equipped with a dedicated DTMF receiver for detecting DTMF signaling from the VM/AA.
c.  These ports will also provide an instant break in loop current when the calling party hangs up. This is called a disconnect signal.

## SOFTWARE PROVISIONS

a.  SCREENED OR UNSCREENED TRANSFER
    There are no special codes needed to transfer a call. Simply hookflash, receive transfer dial tone and dial the destination.

b.  DIRECT IN LINES
    Any C.O. call can be assigned to ring at an individual station or a station hunt group assigned to the VM/AA.

c.  CALLS OR RECALLS TO THE OPERATOR
    Dialing 0 will always result in a ringback signal. If the operator is busy, the call continues to ring in queue to the operator. This prevents a caller from dialing 0 and reaching another mailbox because the operator is busy.

d.  MESSAGE WAITING
    A VM/AA port can leave a message at any station or group of stations. The message waiting indication can be set or canceled at any station or station group with or without the stations ringing.

e.  IN BAND SIGNALING
    The PROSTAR DCS COMPACT system can be programmed to send the calling station's extension number after the voice mail system answers. These DTMF signals may include a leading digit to indicate the type of call and additional information about the original caller. DTMF signals may also be substituted for call

progress tones to speed up voice mail call processing. This program allows call forwarding to a mailbox and bypassing of the main greeting for automatic message retrieval. Blind transfers may be performed because the recall will be correctly identified. NOTE: The effectiveness of this program depends on the ability of the voice mail system to make use of this information.

f.   STATION HUNT GROUP WITH OVERFLOW
     Each station group can have an individual overflow destination with an individual overflow timer. The overflow destination will ring whenever a call to the group is not answered. If the voice mail system becomes inoperative, calls are automatically routed to the overflow destination.

g.   INTERNAL CALL FORWARDING TO VOICE MAIL
     This option in MMC 300 will allow intercom calls to or deny them from following call forward to voice mail. This feature conserves disk drive space by storing only calls originating outside the PROSTAR system.

h.   ONE TOUCH VOICE MAIL ACCESS
     One touch speed dial keys can be programmed to automatically dial, log into and retrieve messages from voice mail.

i.   CALL PROGRESS TONES
     The only tones sent to a VM/AA port are dial tone, busy and ringback. To eliminate confusion, busy tone is substituted for DND or error tones on voice mail ports only.

# STAND-ALONE ADD-ON MODULE

To make an add-on module operate as a stand-alone unit, perform the following steps in the order in which they are listed.

MMC 103     With the technician or customer passcode, assign the answer mode as Voice Announce, Auto Answer or Ring.

MMC 105     Assign speed dial numbers for that AOM.

MMC 606     Advance to the extension number of the AOM you want to use as stand-alone. Assign blocks of speed dial numbers to this AOM.

NOTES:

1.  Transferred calls cannot be camped-on to a busy AOM. If a station attempts this, the transferred call will ring back to the station immediately.

2.  Busy station camp-on will not work when calling a busy AOM.

# INDIVIDUAL STATION PAGE

The system was not designed to permit page announcements to individual keysets. However, a forced auto answer key (FAUTO) can be used to accomplish this objective.

1. Program a keyset for RING in MMC 103.

2. Assign an FAUTO key to each keyset that is allowed to page individual keysets.

3. Call another station. When you hear ringback tone, press the FAUTO key. The ringing will stop and an Auto Answer call is set up.

NOTE: To prevent the use of this feature from getting out of control, only assign FAUTO keys to those keysets needing to page individual keysets.

# CALLER ID

The DCS COMPACT is compatible with both types of Caller ID as defined by BELLCORE. These are the single message format or "Number Only" sometimes referred to as standard Caller ID and the multiple message format or "Name and Number" sometimes referred to as Deluxe Caller ID. In the case of Number Only delivery, there is a translation table available that may be used to add names to the delivered number.

## HARDWARE PROVISIONS

In order to install Caller ID on a DCS COMPACT, you must have the following pieces of DCS COMPACT equipment available:

- A RAM 2 card to hold the Caller ID database
- A MISC 2 card to decode the incoming Caller ID data
- A set of four EPROMs containing the Caller ID version of system software

## SOFTWARE PROVISIONS

The MMCs related to Caller ID are listed below with a short description of their use. They are listed in the recommended order in which they should be programmed. This sequence is suggested so that the installer gets a better understanding of how the feature works. There is no technical reason to follow this sequence.

- **MMC 414 CID TRUNKS**

  This MMC is used by the technician to determine which trunks will receive Caller ID data.

- **MMC 312 ALLOW CID**

  This MMC is used by the technician to determine which keysets are allowed to receive Caller ID displays.

- **MMCs 722 and 723**

  These MMCs have had new keys related to Caller ID features added to them. It is strongly recommended that all keysets allowed Caller ID in MMC 312 are programmed with a CID key.

- **MMC 728 CID TRANSLATION**

  This MMC allows the technician to create a list of names that correspond to numbers received from the Central Office. These names will be displayed when a call rings in that has NUMBER ONLY data provided by the CO.

- **MMC 725 SMDR OPTIONS**

  The ability to print Caller ID data and abandoned calls has been added to this MMC.

- **MMC 119 CID DISPLAY**          This MMC is used by the end user to determine which piece of Caller ID data is displayed when a call rings at the user's station.

- **MMC 501 SYSTEM TIMERS**        This MMC has two new timers related to Caller ID. The only timer that may need adjustment is the CID DISPLAY TIME. This is the length of time that CID data is displayed after the CID key is pressed.

- **MMC 415 TRK. ABANDON**         This MMC is used by the technician to determine which trunks will record data in the Call Abandon list and print with an Abandon "A" flag on SMDR.

- **MMC 608 CID BLOCK**            This MMC is used by the technician to assign CID Review blocks to keysets to allow the user to review CID data for previous calls.

- **MMC 701 CLASS OF SERVICE**     All of the Caller ID features have been added to this MMC to enable the technician to allow or deny them.

- **MMC 724 NUMBER PLAN**          The Caller ID features have been added to this MMC to allow a technician to assign an access code where necessary.

In addition to the above MMCs, it is necessary to have LCR programmed on the system to enable certain features with a DIAL/REDIAL option to be used. This is because the number format provided by the Central Office contains the area code. This area code must be stripped off in the LCR modified digits section to allow a local number to be correctly dialed.

For example, if the system is located in the 305 area code, the LCR digit table points the entry 1305 to a modified digits entry that deletes the first four digits of the CID number. Of course, this is a much simplified LCR scheme. As there are long distance calls to be made within the home area code, additional entries are required to identify these.

For example, if 1305-426 is a local call, the area code has to be stripped, but if 1305-858 is long distance, the area code has to remain to allow the number to be dialed. There are two ways of doing this. You can either enter all of the local office codes and tell the system to strip the area code from them or you can enter the long distance codes and tell them to ignore the modify digits entry.

A list of all of the local office codes can be found at the front of the local telephone directory.

## USING LCR TO INSERT LONG DISTANCE PICK CODE

One of the more common uses for LCR is to use this feature to automatically insert the long distance access code for long distance calls within your own area code. This will allow these calls to be processed by the selected long distance carrier instead of the local telephone company. The following example is based on an area where all long distance calls must be preceded by 1 + area code as this is the most common scenario.

In MMC 710, program the following entries:

| MMC 710 | LCR DIGIT TABLE | | |
|---|---|---|---|
| INDEX | LCR DIGIT STRING | LENGTH | ROUTE |
| 001 | 1 | 11 | 1 |
| 002 | 2 | 7 | 1 |
| 003 | 3 | 7 | 1 |
| 004 | 4 | 7 | 1 |
| 005 | 5 | 7 | 1 |
| 006 | 6 | 7 | 1 |
| 007 | 7 | 7 | 1 |
| 008 | 8 | 7 | 1 |
| 009 | 9 | 7 | 1 |
| 010 | 411 | 3 | 1 |
| 011 | 911 | 3 | 1 |
| 012 | 0 | 1 | 1 |
| 013 | 1AAA | 11 | 2 |

NOTE: AAA is your home area code.

In MMC 711, program the following entries:

| MMC 711 | | | | | | | | LCR TIME TABLE | |
|---|---|---|---|---|---|---|---|---|---|
| TIME CHANGE BANDS | | | | | | | | | |
| | A | | B | | C | | D | | |
| | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT |
| DAY | | | | | | | | | |
| SUN | 0001 | 1 | | | | | | | |
| MON | 0001 | 1 | | | | | | | |
| TUE | 0001 | 1 | | | | | | | |
| WED | 0001 | 1 | | | | | | | |
| THU | 0001 | 1 | | | | | | | |
| FRI | 0001 | 1 | | | | | | | |
| SAT | 0001 | 1 | | | | | | | |

In MMC 712, program the following entries:

| MMC 712 | | LCR ROUTE TABLE | | |
|---|---|---|---|---|
| LCR ROUTE | TIME CHANGE | LCRCOS | TRK GROUP | MOD DIGITS |
| 1 | 1 | 1 | 80 | |
| 2 | 1 | 1 | 80 | 001 |

In MMC 713, program the following:

| MMC 713 | LCR MODIFY DIGIT TABLE | | |
|---|---|---|---|
| INDEX | NO. OF DELETE DIGITS (15) | NO. OF INSERT DIGITS (14) | NO. OF APPEND DIGITS (14) |
| 001 | | 10XXX | |

NOTE: 10XXX is the access code for the long distance carrier of your choice.

- In MMC 603, move all of the C.O. lines from trunk group 9 to trunk group 80. You will have to delete the line numbers from trunk group 9 as trunks can be in more than one group.
- In MMC 724, assign 9 as the LCR access code. This will delete 9 from the first trunk group automatically.
- In MMC 210, turn on LCR.

Setting LCR up like this will not prevent C.O. lines from being accessed by Direct Trunk (DT) keys but it does mean that speed dial numbers will have to be reprogrammed to allow them to access LCR.

# USING LCR WITH CALLER ID

It is necessary to have LCR programmed on systems with Caller ID to enable certain features with a DIAL/REDIAL option to be used. This is because the 10 digit CID number format provided by the Central Office always contains the area code. This area code must be stripped off in the LCR modified digits section to allow a local number to be correctly dialed. To make this task easier, the system inserts a 1 in front of the received digits. This makes it look like a normal 11 digit telephone number so LCR can process the number and modify the digits.

For example, if the system is located in the 305 area code, the LCR digit table points the entry 1305 to a modified digits entry that deletes the first four digits of the CID number. Of course, this is a much simplified LCR scheme. As there are long distance calls to be made within the home area code, additional entries are required to identify these calls. This is illustrated in the sample table for MMC 710 below where entries 013 to XXX are the local area code (305 in the previous example) followed by the local CO prefixes. This will tell the system which calls need to have the first four didits stripped off using the modifiy digits table.

In MMC 710, program the following entries:

| MMC 710 | LCR DIGIT TABLE | | |
|---|---|---|---|
| INDEX | LCR DIGIT STRING | LENGTH | ROUTE |
| 001 | 1 | 11 | 1 |
| 002 | 2 | 7 | 1 |
| 003 | 3 | 7 | 1 |
| 004 | 4 | 7 | 1 |
| 005 | 5 | 7 | 1 |
| 006 | 6 | 7 | 1 |
| 007 | 7 | 7 | 1 |
| 008 | 8 | 7 | 1 |
| 009 | 9 | 7 | 1 |

| MMC 710 | LCR DIGIT TABLE | | |
|---------|----------------|---|---|
| 010 | 411 | 3 | 1 |
| 011 | 911 | 3 | 1 |
| 012 | 0 | 1 | 1 |
| 013 | 1AAALLL | 11 | 2 |
| ⬇ | ⬇ | 11 | 2 |
| XXX | 1AAALLL | 11 | 2 |

NOTE: AAA is your home area code and LLL is a local prefix. For example, at STA, AAA= 305 and one LLL = 426. To operate correctly, all of the local prefixes must be entered in this table. These prefixes can be found at the front of the local telephone directory.

In MMC 711, program the following entries:

| MMC 711 | LCR TIME TABLE | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|
| TIME CHANGE BANDS | | | | | | | | | |
| | A | | B | | C | | D | | |
| | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT | |
| DAY | | | | | | | | | |
| SUN | 0001 | 1 | | | | | | | |
| MON | 0001 | 1 | | | | | | | |
| TUE | 0001 | 1 | | | | | | | |
| WED | 0001 | 1 | | | | | | | |
| THU | 0001 | 1 | | | | | | | |
| FRI | 0001 | 1 | | | | | | | |
| SAT | 0001 | 1 | | | | | | | |

In MMC 712, program the following entries:

| MMC 712 | LCR ROUTE TABLE | | | |
|-----------|-------------|--------|-----------|------------|
| LCR ROUTE | TIME CHANGE | LCRCOS | TRK GROUP | MOD DIGITS |
| 1 | 1 | 1 | 80 | |
| 2 | 1 | 1 | 80 | 001 |

In MMC 713, program the following:

| MMC 713 | LCR MODIFY DIGIT TABLE | | |
|-------|---------------------------|--------------------------|--------------------------|
| INDEX | NO. OF DELETE DIGITS (15) | NO. OF INSERT DIGITS (14) | NO. OF APPEND DIGITS (14) |
| 001 | 4 | | |

NOTE: The deleted digits are the 1 + AAA from the LCR digit table in MMC 710.

● In MMC 603, move all of the C.O. lines from trunk group 9 to trunk group 80. You will have to delete the line numbers from trunk group 9 as trunks can be in more than one group.
● In MMC 724, assign 9 as the LCR access code. This will delete 9 from the first trunk group automatically.
● In MMC 210, turn on LCR.

Setting LCR up like this will not prevent C.O. lines being accessed by Direct Trunk (DT) keys but it does mean that speed dial numbers will have to be reprogrammed to allow them to access LCR.

# 2.4 BLANK DATA RECORD SHEETS

The following blank data record sheets are provided for you to record the programmed data for each system you install.

**USEFUL GUIDELINES**

A.  Keep a record of each system programming in a safe place on-site.

B.  Use a pencil to record the data. Ink cannot easily be erased or changed.

C.  Always update the record sheets when changes are made to the system database.

D.  These sheets may be copied as needed.

# PROSTAR DCS COMPACT
# DATABASE FORMS


CUSTOMER NAME: _____


ADDRESS: _____

_____

_____

_____

TELEPHONE NUMBER: _____


SYSTEM VERSION: _____


DATABASE CONTAINS _____ SHEETS

SLOT 3

SLOT 2

SLOT 1

RAM PACK _____

2 SLI _____

MISC _____
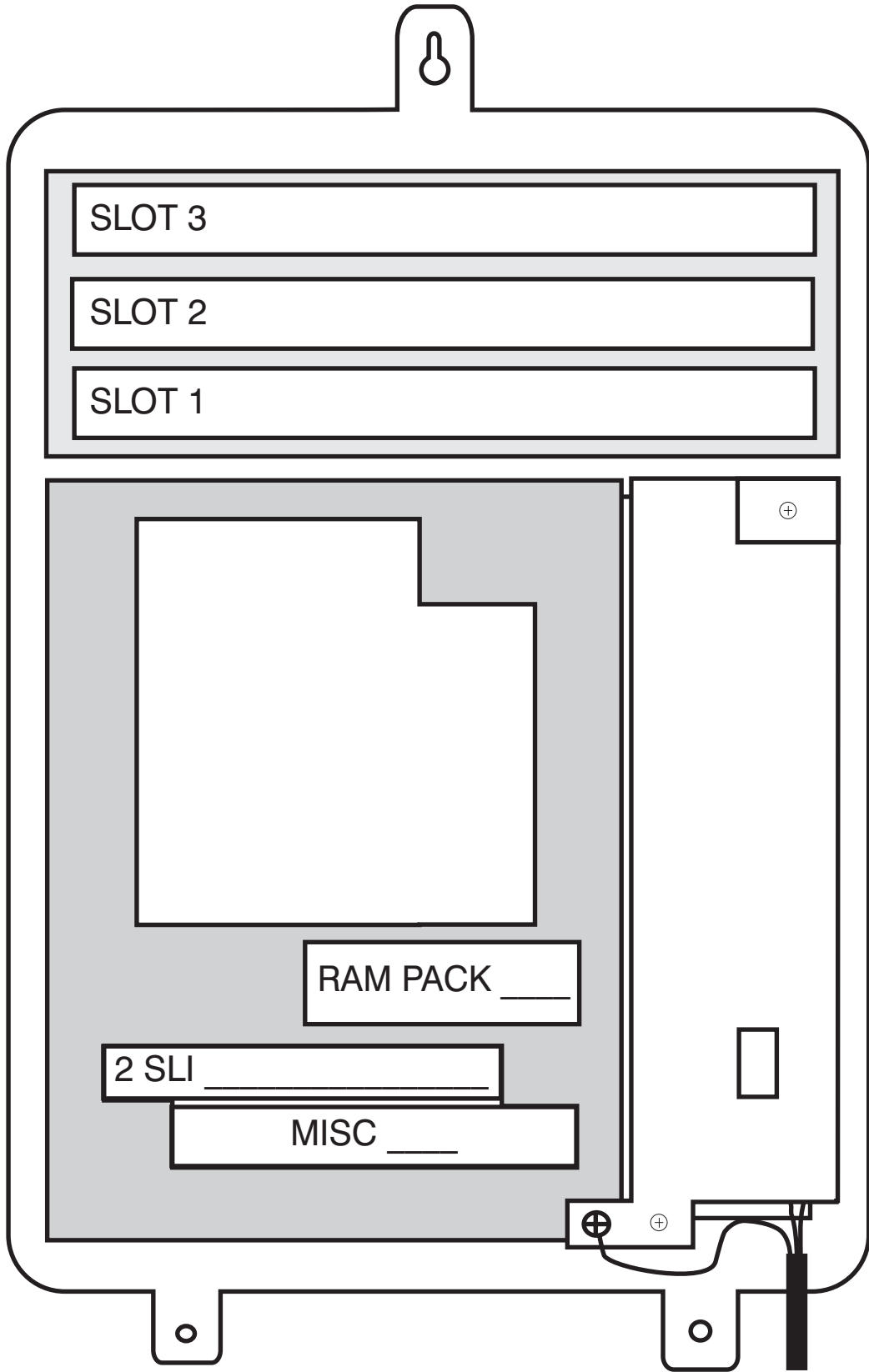
**SYSTEM CONFIGURATION FOR** _____

| MMC 107 | | KEY EXTENDER | | | |
|---|---|---|---|---|---|
| LCD 24B OR STD 24B KEYSET | | | | | |
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 24B OR STD 24B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 24B OR STD 24B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 32 BUTTON ADD-ON MODULE | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |
| 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: |
| 17: | 18: | 19: | 20: |
| 21: | 22: | 23: | 21: |
| 25: | 26: | 27: | 28: |
| 29: | 30: | 31: | 32: |

| 32 BUTTON ADD-ON MODULE | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |
| 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: |
| 17: | 18: | 19: | 20: |
| 21: | 22: | 23: | 21: |
| 25: | 26: | 27: | 28: |
| 29: | 30: | 31: | 32: |

| iDCS 28D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |
| 11: | 12: | 13: | 14: | 15: |
| 16: | 17: | 18: | 19: | 20: |

| 21: | 25: |
|---|---|
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 28D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |
| 11: | 12: | 13: | 14: | 15: |
| 16: | 17: | 18: | 19: | 20: |

| 21: | 25: |
|---|---|
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 18D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 18D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

## MMC 201          CHANGE CUSTOMER PASSCODE

| PASSCODE | |
|---|---|
| | |

## MMC 202          CHANGE FEATURE PASSCODES

| PASSCODE | |
|---|---|
| | |

## MMC 203          ASSIGN UA DEVICE

| UA DEVICE | DEVICE LOCATION |
|---|---|
| RING PAGE | |
| STATION | |
| COM BELL | |
| STATION GROUP | |

## MMC 204          COMMON BELL CONTROL

| COMMON BELL | DEVICE NUMBER |
|---|---|
| INTERRUPTED | |
| CONTINUOUS | |

## MMC 206     BARGE-IN TYPE

| EXT | BARGE | EXT | BARGE | EXT | BARGE |
|-----|-------|-----|-------|-----|-------|
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |

Barge in options are:     NO BARGE IN = 0
WITH TONE = 1
WITHOUT TONE = 2

## MMC 207     ASSIGN VM/AA PORT

| EXT | VM/AA | EXT | VM/AA | EXT | VM/AA |
|-----|-------|-----|-------|-----|-------|
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |
|     |       |     |       |     |       |

## MMC 208      ASSIGN RING TYPE

| EXT | DATA | | ICM RING | C.O. RING |
|-----|------|---|----------|-----------|
|     |      |   |          |           |
|     |      |   |          |           |
|     |      |   |          |           |
|     |      |   |          |           |
|     |      |   |          |           |

## MMC 210      CUSTOMER ON/OFF PER TENANT

| TENANT 1 |             | ON  | OFF |
|----------|-------------|-----|-----|
|          | LCR FEATURE |     |     |
| TENANT 2 |             | ON  | OFF |
|          | LCR FEATURE |     |     |

## MMC 211      DOOR RING ASSIGNMENT

| DOOR | DEVICE | DAY RING | NIGHT RING | NAME |
|------|--------|----------|------------|------|
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |
|      |        |          |            |      |

## MMC 209      ASSIGN ADD-ON MODULE

| AOM | MASTER | AOM | MASTER | AOM | MASTER |
|-----|--------|-----|--------|-----|--------|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Enter AOM station number and MASTER station number, e.g., 288 is the AOM unit and 201 is the MASTER station unit assigned to the AOM.

COPY AS NEEDED            SHEET _____ OF _____

| MMC 300 | | CUSTOMER ON/OFF PER STATION | | | | |
|---|---|---|---|---|---|---|
| EXT | ACCESS DIAL | MIC | OFF-HOOK RING | SMDR | TGR ADV TONE | VM/AA |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TRKGRP    Dial access to trunk groups
MIC          Keyset microphone on/off
OFHR        Off-hook ring on/off
SMDR        SMDR print on/off
TRKADV    Trunk group advance tone on/off

See also MMCs 114, 710 and 724.

COPY AS NEEDED                                          SHEET _____ OF _____

| MMC 301 | | | ASSIGN STATION COS | | | | | |
|---|---|---|---|---|---|---|---|---|
| EXT | DAY | NIGHT | EXT | DAY | NIGHT | EXT | DAY | NIGHT |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

See also MMCs 202, 507 and 701. Enter value of 01–30 for class of service.

| MMC 302 | | PICKUP GROUPS | |
|---|---|---|---|
| PICKUP GROUP NO. | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| PICKUP GROUP NO. | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| PICKUP GROUP NO. | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

See also MMCs 722, 723 and 724. The maximum number of pickup groups is 20.

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

| | SECRETARY |
|---|---|
| BOSS | |
| | |
| | |
| | |

One boss can have a maximum of four secretaries. Only one secretary can be assigned to a boss. See also MMCs 107, 723 and 724.

# MMC 304      ASSIGN EXTENSION/TRUNK USE

| EXT | TRK | DIAL | ANS | EXT | TRK | DIAL | ANS |
|-----|-----|------|-----|-----|-----|------|-----|
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |
|     |     |      |     |     |     |      |     |

Enter a value of **YES** or **NO** for each station and trunk. Default is set to **YES** for all stations and trunks.

| MMC 305 | ASSIGN FORCED CODE | | |
|---------|---------|------------|---------|
| EXTENSION | ACCOUNT | AUTHORIZED | REMARKS |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

See also MMCs 707, 708, 722, 723 and 724.
Maximum number of authorization codes:   100 (ROM 1)    250 (ROM 2)
Maximum number of account codes:   250 (ROM 1)    500 (ROM 2)

COPY AS NEEDED                                             SHEET _____ OF _____

## MMC 306      HOT LINE

| STATION NUMBER | DESTINATION |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

See also MMC 501. This entry is for hot line calling in the system. For external calling, use MMC 307.

## MMC 307      ASSIGN OFF-HOOK SELECTION

| STATION NUMBER | DESTINATION |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

See also MMC 501. This entry is for calling off-hook outside the system via C.O. for calling to a specific phone number. If internal use is required, use MMC 306.

COPY AS NEEDED          SHEET _____ OF _____

| MMC 310 | | LCR CLASS OF SERVICE | | | |
|---|---|---|---|---|---|
| EXT | LCRCOS | EXT | LCRCOS | EXT | LCRCOS |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

See also MMC 712.

DEFAULT DATA: ALL STATIONS SET TO 1. OPTIONS ARE CLASSES 1–8.

COPY AS NEEDED                                    SHEET _____ OF _____

| MMC 311 | | | ASSIGN SIM PARAMETER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SIM | TYPE | CALL MODE | ANS MODE | AUTO BAUD | DTR CHECK | ECHO | PROCL | SPEED | CHR LNGTH | PRTY | STOP BIT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

COPY AS NEEDED

SHEET _____ OF _____

| MMC 312 | ALLOW CALLER ID |
|---|---|
| STATION NUMBER | ALLOW CALLER ID? |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

NOTE: This record sheet is used only with systems with Caller ID software.

| MMC 400 | CUSTOMER ON/OFF PER TRUNK | | |
|---|---|---|---|
| TRK NUM | 1A2 EMUL | TRK FWD | TRK INC DND |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

See also MMCs 406, 722 and 723.

DEFAULT DATA:  1A2 EMULATE    OFF
TRK INC. DND    OFF
TRK FORWARD    ON

COPY AS NEEDED

| MMC 401 | | C.O./PBX LINE | | | |
|---|---|---|---|---|---|
| TRK NUM | PBX LINE | CO LINE | TRK NUM | PBX LINE | CO LINE |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Enter CO LINE or PBX LINE for one or all trunks. Default is CO LINE.

| MMC 402 | | | **TRUNK DIAL TYPE** | | |
|---------|------|--------|---------|------|--------|
| TRK NUM | DTMF | ROTARY | TRK NUM | DTMF | ROTARY |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Enter DTMF or DIAL PULSE for one or all trunks.

COPY AS NEEDED                                    SHEET _____ OF _____

| MMC 403 | TRUNK TOLL CLASS | |
|---|---|---|
| TRK | DAY | NIGHT |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Default is follow station (F-STN) for day and night. Options are F-STN and CLS-A–CLS-H.

| MMC 404 | TRUNK NAME | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TRUNK | NAME | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Maximum number of digits for name/number is ten.

DEFAULT DATA: NO NAMES

COPY AS NEEDED                                          SHEET _____ OF _____

| MMC 405 | TRUNK NUMBER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TRUNK | NUMBER | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Maximum number of digits for name/number is ten.

DEFAULT DATA: NO NUMBERS

COPY AS NEEDED                                        SHEET _____ OF _____

| MMC 406 | TRUNK RING ASSIGNMENT | | | | |
|---|---|---|---|---|---|
| TRK NUM | DAY | NIGHT | TRK NUM | DAY | NIGHT |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

DEFAULT DATA: STATION GROUP 500

COPY AS NEEDED                                                    SHEET _____ OF _____

| MMC 408 | ASSIGN TRUNK MUSIC ON HOLD SOURCE | | |
|---|---|---|---|
| TRK | NONE | TICK | MOH |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Default is set to TONE.

COPY AS NEEDED                                        SHEET _____ OF _____

| MMC 409 | TRUNK STATUS READ | | |
|---|---|---|---|
| TRUNK | STATUS | | |
| | 0 | = | TENANT NUMBER |
| | 1 | = | PORT NUMBER |
| | 2 | = | 1A2 EMULATION |
| | 3 | = | TRK FWD STATUS |
| | 4 | = | LINE (C.O./PBX) |
| | 5 | = | DIAL (DTMF/DP) |
| | 6 | = | DAY TOLL LEVEL |
| | 7 | = | NIGHT TOLL LEVEL |
| | 8 | = | DAY RING |
| | 9 | = | NIGHT RING |
| | 10 | = | MOH SOURCE |
| | 11 | = | DISA STATUS |
| | 12 | = | NAME |
| | 13 | = | TELEPHONE NUMBER |

| MMC 410 | ASSIGN DISA TRUNK | |
|---|---|---|
| TRUNK NUMBER | STATUS | |
| | NORMAL | |
| | DAY | |
| | NIGHT | |
| | BOTH | |
| TRUNK NUMBER | STATUS | |
| | NORMAL | |
| | DAY | |
| | NIGHT | |
| | BOTH | |
| TRUNK NUMBER | STATUS | |
| | NORMAL | |
| | DAY | |
| | NIGHT | |
| | BOTH | |
| TRUNK NUMBER | STATUS | |
| | NORMAL | |
| | DAY | |
| | NIGHT | |
| | BOTH | |

Enter trunk ID and option desired. Default data is NORMAL.

| MMC 414 | ASSIGN CALLER ID TRUNKS |
|---|---|
| TRUNK NUMBER | CALLER ID OR NORMAL |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

NOTE: This record sheet is used only with systems with Caller ID software.

| MMC 415 | REPORT TRUNK ABANDON DATA |
|---|---|
| TRUNK NUMBER | REPORT ABANDONED CALLS |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

NOTE: This record sheet is used only with systems with Caller ID software.

| MMC 501 | SYSTEM TIMERS | | |
|---|---|---|---|
| TIMER NAME | VALUE | RANGE | NEW VALUE |
| ALERT TONE TIMER | 500 MSEC | (100–2500 MSEC) | |
| ALM REM. RING OFF | 10 SEC | (1–25 SEC) | |
| ALM REM. INTERVAL | 30 SEC | (1–255 SEC) | |
| ATT. RECALL TIME | 30 SEC | (1–255 SEC) | |
| AUTO REDIAL INT. | 30 SEC | (1–255 SEC) | |
| AUTO REDIAL RLS. | 45 SEC | (1–255 SEC) | |
| CALLBACK NO ANS | 30 SEC | (1–255 SEC) | |
| CAMP ON RECALL | 30 SEC | (1–255 SEC) | |
| CI D MSG RECEIVE* | 08 SEC | ( 1-255 SEC) | |
| CID DISPLAY* | 05 SEC | (1 - 255 SEC) | |
| C.O.-C.O. DISCONNECT | 20 MIN | (0–255 MIN) | |
| DATA EXIT TIME | 10 SEC | (1–25 SEC) | |
| DATA OTASK TIMER | 100 MSEC | (100–2500 MSEC | |
| DISA DISCONNECT | 30 MIN | (1–255 MIN) | |
| DISA LOCK OUT TM | 30 MIN | (1–255 MIN) | |
| DISA PASS CHECK | 30 MIN | (1–255 MIN) | |
| DISPLAY DELAY TM | 02 SEC | (1–255 SEC) | |
| DOOR LOCK RELES | 500 MSEC | (100–2500 MSEC) | |
| DOOR RING DETECT | 50 MSEC | (10–250 MSEC) | |
| DOOR RING OFF TM | 30 SEC | (1–255 SEC) | |
| E-HOLD RECALL TM | 45 SEC | (0–255 SEC) | |
| EXT.FWD DELAY TM | 10 SEC | (1–255 SEC) | |
| FIRST DIGIT TIME | 10 SEC | (1–255 SEC) | |
| HOOK FLASH TIME | 800 MSEC | (100–2500 MSEC) | |
| HOOK OFF TIME | 200 MSEC | (10–250 MSEC) | |
| HOOK ON TIME | 1000 MSEC | (100–2500 MSEC) | |
| INQUIRY RELEASE | 30 SEC | (1–255 SEC) | |
| INTERDIGIT TIME | 10 SEC | (10–255 SEC) | |
| KMMC LOCKOUT TM | 30 SEC | (10–255 SEC) | |
| LCR INTER DIGIT | 05 SEC | (1–255 SEC) | |
| LCR ADVANCE TIME | 05 SEC | (1–255 SEC) | |
| OFF-HOOK RING INT | 15 SEC | (1–255 SEC) | |
| OFF-HOOK SELECT. | 05 SEC | (1–255 SEC) | |
| OHVA ANSWER TIME | 10 SEC | (1–255 SEC) | |
| PAGE TIME OUT | 05 SEC | (1–255 SEC) | |
| PAGE TONE TIME | 500 SEC | (100–2500 SEC) | |
| PARK RCALL TIME | 45 SEC | (0–255 SEC) | |
| PC-MMC LOCK OUT | 10 MIN | (5–99 MIN) | |
| POWER DOWN TIME | 2000 MSEC | (1000–9000 MSEC) | |
| RECALL DISCONECT | 45 MIN | (1–255 SEC) | |
| RECALL WAIT TIME | 15 SEC | (1–255 SEC) | |
| SMDR START/DTMF | 15 SEC | (1–255 SEC) | |
| SMDR START/DP | 30 SEC | (1–255 SEC) | |
| SYS HOLD RECALL | 45 SEC | (0–255 SEC) | |
| TRANSFER RECALL | 15 SEC | (0–255 SEC) | |

NOTE: Timers marked with an asterisk apply only to systems with Caller ID software.

COPY AS NEEDED                Revised 6/95                SHEET _____ OF _____

| MMC 502 | | FORWARD NO ANSWER TIMER | |
|---|---|---|---|
| EXT NUM | NOANS FWD | EXT NUM | NOANS FWD |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COPY AS NEEDED

| MMC 503 | TRUNK-WIDE TIMER | |
|---|---|---|
| TRUNK | TIMER | VALUE |
| | ANS.BAK | |
| | CLEARING | |
| | CO SUPV | |
| | DTMF DUR | |
| | F-DGT DELY | |
| | FLASH | |
| | NEW CALL | |
| | NO RING | |
| | PAUSE | |
| | RNG DETECT | |
| | | |
| | ANS.BAK | |
| | CLEARING | |
| | CO SUPV | |
| | DTMF DUR | |
| | F-DGT DELY | |
| | FLASH | |
| | NEW CALL | |
| | NO RING | |
| | PAUSE | |
| | RNG DETECT | |

Call STA Technical Support before changing values.

COPY AS NEEDED                                    SHEET _____ OF _____

| MMC 504 | PULSE MAKE/BREAK RATIO |
|---|---|
| MAKE/BREAK RATIO | |
| PULSE PER SECOND | |

System-wide trunk timer.

| MMC 506 | TONE CADENCE | | | |
|---|---|---|---|---|
| TONE | ON | OFF | ON | OFF |
| BUSY | | | | |
| BARGE | | | | |
| DIAL | | | | |
| DND | | | | |
| ERROR | | | | |
| HOLD | | | | |
| MSG | | | | |
| RBT | | | | |
| RING | | | | |
| XFER | | | | |

All times are in milliseconds.

| MMC 600 | ASSIGN OPERATOR GROUP | | |
|---|---|---|---|
| RING MODE | | | |
| OVERFLOW | | | |
| GRP TRSF | | | |
| NEXT PORT | | | |
| MEMBERS (MAX 80) | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COPY AS NEEDED                                   SHEET _____ OF _____

| MMC 601 | ASSIGN STATION GROUP | | |
|---|---|---|---|
| RING MODE | | | |
| OVERFLOW | | | |
| GRP TRSF | | | |
| NEXT PORT | | | |
| MEMBERS (MAX 80) | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| MMC 507 | ASSIGN AUTO NIGHT TIME | |
|---|---|---|
| DAY | START | END |
| SUNDAY | | |
| MONDAY | | |
| TUESDAY | | |
| WEDNESDAY | | |
| THURSDAY | | |
| FRIDAY | | |
| SATURDAY | | |

See also MMCs 201, 722 and 723.

| MMC 602 | STATION GROUP NAME |
|---|---|
| GROUP | NAME |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| MMC 603 | | ASSIGN TRUNK GROUP | | | |
|---|---|---|---|---|---|
| TRK GROUP | MODE | | | | |
| | | | | | |
| MEMBER(S) | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| TRK GROUP | MODE | | | | |
|---|---|---|---|---|---|
| | | | | | |
| MEMBER(S) | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Enter valid trunk group number e.g., 9, 80–89. Enter mode type: SEQUENTIAL or DISTRIBUTE. Enter members, e.g., 701.

COPY AS NEEDED                                          SHEET _____ OF _____

| MMC 604 | ASSIGN STATION TO PAGE ZONE | | | | | |
|---|---|---|---|---|---|---|
| INDEX | STATION | 1 | 2 | 3 | 4 | * |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Enter page index 01–80, station number and 1 in each zone box.

| MMC 605 | ASSIGN EXTERNAL PAGE ZONE | | | | |
|---------|---------------------------|---|---|---|---|
| MEMBER | DN | 5 | 6 | 7 | 8 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Enter MEMBER 1–20, DN, e.g., 3602, and 1 for the zone.

| MMC 606 | ASSIGN SPEED BLOCK |
| --- | --- |
| STATION NUMBER | NUMBER OF BINS |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

| MMC 608 | ASSIGN REVIEW BLOCK |
|---|---|
| STATION NUMBER | NUMBER OF BINS |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

NOTE: This record sheet is used only with systems with Caller ID software.

# MMC 701      ASSIGN COS CONTENTS

| COS # | TOLL LEVEL | ITEM | FEATURE | OPTION | ITEM | FEATURE | OPTION |
|-------|-----------|------|---------|--------|------|---------|--------|
| | | 01 | AA CALER | | 51 | STNGRP 04 | |
| | | 02 | ALM CLR | | 52 | STNGRP 05 | |
| | | 03 | AUTO RDL | | 53 | STNGRP 06 | |
| | | 04 | CALLBACK | | 54 | STNGRP 07 | |
| | | 05 | CID ABND* | | 55 | STNGRP 08 | |
| | | 06 | CID INQR* | | 56 | STNGRP 09 | |
| | | 07 | CID INVT* | | 57 | STNGRP 10 | |
| | | 08 | CONFER | | 58 | STNGRP 11 | |
| | | 09 | DAY/NIGH | | 59 | STNGRP 12 | |
| | | 10 | DIRECT | | 60 | STNGRP 13 | |
| | | 11 | DALM CLR | | 61 | STNGRP 14 | |
| | | 12 | DND | | 62 | STNGRP 15 | |
| | | 13 | DOOR | | 63 | STNGRP 16 | |
| | | 14 | DSS | | 64 | STNGRP 17 | |
| | | 15 | DTS | | 65 | STNGRP 18 | |
| | | 16 | EXT FWD | | 66 | STNGRP 19 | |
| | | 17 | FEATURE | | 67 | STNGRP 20 | |
| | | 18 | FLASH | | 68 | STNGRP 21 | |
| | | 19 | FORWARD | | 69 | STNGRP 22 | |
| | | 20 | GRP I/O | | 70 | STNGRP 23 | |
| | | 21 | HOLD | | 71 | STNGRP 24 | |
| | | 22 | HOT LINE | | 72 | STNGRP 25 | |
| | | 23 | INTERCOM | | 73 | STNGRP 26 | |
| | | 24 | MESSAGE | | 74 | STNGRP 27 | |
| | | 25 | MM PAGE | | 75 | STNGRP 28 | |
| | | 26 | NEW CALL | | 76 | STNGRP 29 | |
| | | 27 | OHVAED | | 77 | STNGRP 30 | |
| | | 28 | OHVAING | | 78 | SYS SPD | |
| | | 29 | ONEA2 | | 79 | TRKGRP 01 | |
| | | 30 | OPERATOR | | 80 | TRKGRP 02 | |
| | | 31 | OUT TRSF | | 81 | TRKGRP 03 | |
| | | 32 | OVERIDE | | 82 | TRKGRP 04 | |
| | | 33 | PAGE 0 | | 83 | TRKGRP 05 | |
| | | 34 | PAGE 1 | | 84 | TRKGRP 06 | |
| | | 35 | PAGE 2 | | 85 | TRKGRP 07 | |
| | | 36 | PAGE 3 | | 86 | TRKGRP 08 | |
| | | 37 | PAGE 4 | | 87 | TRKGRP 09 | |
| | | 38 | PAGE 5 | | 88 | TRKGRP 10 | |
| | | 39 | PAGE 6 | | 89 | TRKGRP 11 | |
| | | 40 | PAGE 7 | | 90 | UNCO CNF | |
| | | 41 | PAGE 8 | | 91 | | |
| | | 42 | PAGE 9 | | 92 | | |
| | | 43 | PAGE ✱ | | 93 | | |
| | | 44 | PICKUP | | 94 | | |
| | | 45 | SECURE | | 95 | | |
| | | 46 | SSPD TOL | | 96 | | |
| | | 47 | STN LOCK | | 97 | | |
| | | 48 | STNGRP 01 | | 98 | | |
| | | 49 | STNGRP 02 | | 99 | | |
| | | 50 | STNGRP 03 | | | | |

NOTE: Items marked with an asterisk apply only to systems with Caller ID software.

| MMC 702 | | TOLL DENY TABLE | | | | | |
|---------|-----|-------|-------|-------|-------|-------|-------|
| INDEX | EXT | COS B | COS C | COS D | COS E | COS F | COS G |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Maximum number of deny indexes is 500. See also MMC 704.

COPY AS NEEDED                                        SHEET _____ OF _____

| MMC 703 | TOLL ALLOWANCE TABLE | | | | | | |
|---|---|---|---|---|---|---|---|
| INDEX | EXT | COS B | COS C | COS D | COS E | COS F | COS G |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Maximum number of allow indexes is 500. See also MMC 704.

| MMC 704 | ASSIGN WILD CHARACTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DIGITS TO BE ALLOWED OR DENIED | | | | | | | | | | | |
| TABLE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ✻ | # |
| X | | | | | | | | | | | | |
| TABLE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ✻ | # |
| Y | | | | | | | | | | | | |
| TABLE | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ✻ | # |
| Z | | | | | | | | | | | | |

See MMCs 702 and 703. Place a (1) in each box for the desired digit.

| MMC 709 | PBX ACCESS CODE |
|---|---|
| INDEX | PBX ACCESS CODE |
| 1 | |
| 2 | |
| 3 | |

| MMC 705 | PROGRAM SYSTEM SPEED DIAL |
|---|---|
| BIN | SPEED DIAL NUMBER |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

| MMC 706 | SYSTEM SPEED DIAL BY NAME |
|---|---|
| BIN | NAME |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

COPY AS NEEDED                                    SHEET _____ OF _____

## MMC 707        AUTHORIZATION CODE

| INDEX | CODE | COS | INDEX | CODE | COS |
|-------|------|-----|-------|------|-----|
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |
|       |      |     |       |      |     |

Enter authorization codes (four digits maximum)—100 entries.

COPY AS NEEDED        SHEET _____ OF _____

| MMC 708 | ACCOUNT CODE | | |
|---|---|---|---|
| INDEX | ACCOUNT CODE | INDEX | ACCOUNT CODE |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Enter account codes maximum four digits, ROM 2 250 codes.

COPY AS NEEDED                    SHEET _____ OF _____

| MMC 710 | LCR DIGIT TABLE | | |
|---|---|---|---|
| INDEX | LCR DIGIT STRING | LENGTH | ROUTE |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Maximum number of LCR Digit Index entries is 500. Maximum number of digits for string length is 10. Maximum number of digits for length is 31. LCR route table consists of 1−16.

| MMC 711 | LCR TIME TABLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TIME CHANGE BANDS | | | | | | | |
| | A | | B | | C | | D | |
| | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT | HHMM | LCRT |
| DAY | | | | | | | | |
| SUN | | | | | | | | |
| MON | | | | | | | | |
| TUE | | | | | | | | |
| WED | | | | | | | | |
| THU | | | | | | | | |
| FRI | | | | | | | | |
| SAT | | | | | | | | |

Day reflects the day of the week for time change for LCR route selection. HHMM reflects at what time selection will occur for LCR route change. Hours are entered in 24 hour format, e.g., 1:00 P.M. = 13:00 (two digits required). Minutes are entered in normal format (two digits required). LCRT reflects the entry in MMC 712 regarding what time element will be used. Entries are 1–4.

| MMC 712 | | LCR ROUTE TABLE | | |
|---|---|---|---|---|
| LCR ROUTE | TIME CHANGE | LCRCOS | TRK GROUP | MOD DIGITS |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

LCR ROUTE reflects 1−16, available routes assigned in MMC 710. TIME CHANGE reflects time entries (LCRT 1−4) in MMC 711. LCRCOS reflects entries in MMC 310. TRKGRP reflects entries in MMC 603. MD reflects the LCR MODIFY DIGITS TABLE entries in MMC 713.

COPY AS NEEDED                                    SHEET _____ OF _____

| MMC 713 | LCR MODIFY DIGIT TABLE | | |
|---|---|---|---|
| INDEX | NO. OF DELETE DIGITS (15) | NO. OF INSERT DIGITS (14) | NO. OF APPEND DIGITS (14) |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Index reflects the number of entries from 1–100 allowed. The number of delete digits is the amount of digits to be removed from the dial plan (maximum 15). The number of insert digits is the amount of digits to be added to the dial plan (maximum 14). The number of append digits is the amount of digits added at the end of the dial plan (maximum 14).

| MMC 715 | PROGRAMMED STN MESSAGE |
|---|---|
| INDX | MESSAGE |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |
| 8. | |
| 9. | |
| 10. | |
| 11. | |
| 12. | |
| 13. | |
| 14. | |
| 15. | |
| 16. | |
| 17. | |
| 18. | |
| 19. | |
| 20. | |

DEFAULT DATA:  TEN PRE-PROGRAMMED MESSAGES

| | | | |
|---|---|---|---|
| 01. | IN A MEETING | 06. | OUT OF TOWN |
| 02. | OUT ON A CALL | 07. | IN TOMORROW |
| 03. | OUT TO LUNCH | 08. | RETURN AFTERNOON |
| 04. | LEAVE A MESSAGE | 09. | ON VACATION |
| 05. | PAGE ME | 10. | GONE HOME |

COPY AS NEEDED                                                    SHEET _____ OF _____

| MMC 722 and 723 | | | KEY PROGRAMMING | | |
|---|---|---|---|---|---|
| LCD 24B OR STD 24B KEYSET | | | | | |
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 24B OR STD 24B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 24B OR STD 24B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: | 17: | 18: |
| 19: | 20: | 21: | 22: | 23: | 24: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| LCD 12B OR BASIC 12B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | 08: | 09: | 10: | 11: | 12: |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 7B KEYSET | | | | | |
|---|---|---|---|---|---|
| EXT NO. | | | | | |
| 01: | 02: | 03: | 04: | 05: | 06: |
| 07: | | | | | |

| 32 BUTTON ADD-ON MODULE | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |
| 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: |
| 17: | 18: | 19: | 20: |
| 21: | 22: | 23: | 21: |
| 25: | 26: | 27: | 28: |
| 29: | 30: | 31: | 32: |

| 32 BUTTON ADD-ON MODULE | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |
| 09: | 10: | 11: | 12: |
| 13: | 14: | 15: | 16: |
| 17: | 18: | 19: | 20: |
| 21: | 22: | 23: | 21: |
| 25: | 26: | 27: | 28: |
| 29: | 30: | 31: | 32: |

| iDCS 28D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |
| 11: | 12: | 13: | 14: | 15: |
| 16: | 17: | 18: | 19: | 20: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 28D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |
| 11: | 12: | 13: | 14: | 15: |
| 16: | 17: | 18: | 19: | 20: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 18D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 18D KEYSET | | | | |
|---|---|---|---|---|
| EXT NO. | | | | |
| 01: | 02: | 03: | 04: | 05: |
| 06: | 07: | 08: | 09: | 10: |

| | |
|---|---|
| 21: | 25: |
| 22: | 26: |
| 23: | 27: |
| 24: | 28: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| iDCS 8D KEYSET | | | |
|---|---|---|---|
| EXT NO. | | | |
| 01: | 02: | 03: | 04: |
| 05: | 06: | 07: | 08: |

| MMC 724 | DIAL NUMBERING PLAN | |
|---|---|---|
| FEATURE | DEFAULT | NEW VALUE |
| ABND* | 64 | |
| ACCT | 47 | |
| ALM | 351–3512 | |
| ALMCLR | 57 | |
| AUTH | ✳ | |
| BARGE | NONE | |
| BGM | 371–372 | |
| BLOCK | NONE | |
| BOSS | NONE | |
| CAMP | 45 | |
| CANMG | 42 | |
| CBK | 44 | |
| CONF | 46 | |
| CB | 381–382 | |
| DICT | NONE | |
| DIR | NONE | |
| DIRPK | 65 | |
| DISALM | 58 | |
| DLOCK | 13 | |
| DND | 40 | |
| FAUTO | NONE | |
| FLASH | 49 | |
| FWD | 60 | |
| GRPK | 66 | |
| HLDPK | 12 | |
| HOLD | 11 | |
| IOG | 53 | |
| LCR | NONE | |
| LISTN | NONE | |
| LNR | 19 | |
| MMPA | 56 | |
| MMPG | 54 | |
| MSG | 43 | |
| NEW | NONE | |
| NIGHT | NONE | |
| OHVA | NONE | |
| OPER | 0 | |
| PAGE | 55 | |
| PAGPK | 10 | |
| PMSG | 48 | |
| REJECT | NONE | |
| RETRY | NONE | |
| ROP | 3601–3639 | |
| SETMG | 41 | |
| SGP | 500–529 | |
| SNR | 17 | |
| SPEED | 16 | |
| STN | 201–299, 301–349 | |
| TGP | 9, 80–89 | |
| TRK | 701–799 | |
| UA | 67 | |
| WCOS | 59 | |

NOTE: The ABND feature (marked with an asterisk) only applies to systems with Caller ID software.

COPY AS NEEDED          Revised 6/95          SHEET _____ OF _____

| MMC 725 | SMDR OPTIONS | |
|---|---|---|
| OPTIONS | DEFLT | NEW |
| PAGE HEADER | YES | |
| LINE PER PAGE | 66 | |
| INCOMING CALL | NO | |
| OUTGOING CALL | YES | |
| AUTHORIZE CODE | NO | |
| LESS START TIME | YES | |
| IN/OUT GROUP | NO | |
| DND CALL | NO | |
| WAKE-UP CALL | YES | |
| CALLER ID* | NO | |
| ABANDON CALL* | NO | |
| DIRECTORY NAME | | |

NOTE: Items marked with an asterisk apply only to systems with Caller ID software.

| MMC 726 | VM/AA OPTIONS | |
|---|---|---|
| OPTIONS | DFLT | NEW |
| EXT FOR DN1 | YES | |
| TRK FOR DN1 | YES | |
| EXT FOR DN2 | NO | |
| TRK FOR DN2 | NO | |
| SEPARATOR | # | |
| DISCONNECT SIGNAL | C | |
| CALL TYPE ID | DFLT | NEW |
| DIRECT CALL | 1 | |
| ALL FWD CALL | 2 | |
| BSY FWD CALL | 3 | |
| NOA FWD CALL | 4 | |
| RECALL | 5 | |
| DIR TRK CALL | 6 | |
| OVERFLOW | 7 | |
| DID CALL | 8 | |
| MESSAGE CALL | 9 | |
| CALL PROGRESS TONE | DFLT | NEW |
| DIAL TONE | BA | |
| BUSY TONE | 4 | |
| RINGBACK | 5 | |
| DND/NO MORE | 6 | |
| HANDSET ANSWER | 3 | |
| SPEAKER ANSWER | 2 | |

| MMC 728 | CALLER ID TRANSLATION |
|---|---|
| CALLER ID NUMBER | ASSIGNED NAME |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

NOTE: This record sheet is used only with systems with Caller ID software.

## MMC 802      CUSTOMER ACCESS MMC NUMBER

| MMC | DEFAULT | | MMC | OPTION |
|-----|---------|---|-----|--------|
| 100 | YES | | | |
| 101 | YES | | | |
| 103 | YES | | | |
| 104 | YES | | | |
| 105 | YES | | | |
| 106 | YES | | | |
| 107 | YES | | | |
| 108 | YES | | | |
| 109 | YES | | | |
| 110 | YES | | | |
| 111 | YES | | | |
| 112 | YES | | | |
| 113 | YES | | | |
| 114 | YES | | | |
| 115 | YES | | | |
| 116 | YES | | | |
| 117 | YES | | | |
| 200 | YES | | | |
| 201 | YES | | | |
| 202 | YES | | | |
| 404 | YES | | | |
| 502 | YES | | | |
| 505 | YES | | | |
| 507 | YES | | | |
| 602 | YES | | | |
| 705 | YES | | | |
| 706 | YES | | | |
| 708 | YES | | | |
| 715 | YES | | | |

| MMC 804 | SYSTEM I/O PARAMETER | | |
|---|---|---|---|
| PORT 1 | PARAMETERS | PORT 2 | PARAMETERS |
| SERVICE | | SERVICE | |
| SPEED | | SPEED | |
| CHAR LENGTH | | CHAR LENGTH | |
| PARITY | | PARITY | |
| RETRY COUNT | | RETRY COUNT | |
| STOP BIT | | STOP BIT | |
| WAIT TIME | | WAIT TIME | |
| DSR CHECK | | DSR CHECK | |

DEFAULT DATA: SERVICE   PORT 1      PCMMC
                             PORT 2      SMDR
               BAUD RATE        2400 BPS
               CHAR LENGTH    8 BITS
               PARITY           NONE
               RETRY COUNT    03
               STOP BIT        1 BIT
               WAIT TIME      200 MSEC