



Enterprise IP Solutions

OfficeServ 500 Programming Guide

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TRADEMARKS

OfficeServ 500 is the trademark of SAMSUNG Electronics Co., Ltd.
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Please read this guide before using the OfficeServ 500 system, and follow the instructions to use the OfficeServ 500 system safely and correctly.

This manual may be changed for the product improvement, standardization and other technical reasons without prior notice.

For further information on the updated manual or have a question the content of manual, contact your Authorised Samsung Reseller.

INTRODUCTION

Purpose

This guide is a programming description for OfficeServ 500 system users. OfficeServ 500 allows you to utilize a digital phone to simply change the system setup. Likewise, using a phone to change the system setup is called MMC (Man Machine Communication) program.

This guide describes how to use a digital phone to use MMC.

When there are questions about OfficeServ 500 system or damage to the phone, please call your Authorised Samsung Reseller.

Document Content and Organization

This programming guide is composed of a total of 2 chapters. Each chapter is introduced as follows :

CHAPTER 1. Before Programming

This chapter describes things to know before starting MMC programming and about the buttons of digital phone and cautions.

CHAPTER 2. MMC Programming

This chapter describes how to use each MMC program as it was listed.

Conventions

The following special paragraphs are used in this document to point out information that must be read. This information may be set-off from the surrounding text, but is always preceded by a bold title in capital letters.

**WARNING**

Indicates a potentially hazardous situation which if not avoided, could result in death or serious injury.

**CAUTION**

Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**NOTE**

Indicates additional information as a reference.

Console Screen Output

- The lined box with 'Courier New' font will be used to distinguish between the main content and console output screen text.
- '**Bold Courier New**' font will indicate the value entered by the operator on the console screen

Reference

OfficeServ 500 Installation Guide

Introduces the installation related information for OfficeServ 500 system.

OfficeServ 500 Service Manual

Introduces circuit configuration of each section in OfficeServ 500 system, main functions, parts list, troubleshooting, and disassembly diagram of main device.

DS-5012L Digital Phone User's Manual

This is a user's manual for the Large LCD Digital Phone(DS-5012L) that can be used by connecting to the OfficeServ 500 system.

ITP-5012L IP Phone User's Manual

This is a user's manual for the Large LCD IP Phone that can be used by connecting to the OfficeServ 500 system.

DS-5038D/5021D/5014D Digital Phone User Guide

This is a user's manual for the 2 Line LCD Digital Phone(DS-5038D, DS-5012D, DS-5014D) that can be used by connecting to the OfficeServ 500 system.

ITP-5021D/5014D IP Phone User Guide

This is a user's manual for the 2 Line LCD IP Phone(ITP-5021D, ITP-5014D) that can be used by connecting to the OfficeServ 500 system.

OfficeServ 500 Wireless LAN Service Manual

Introduces information needed to install the wireless device of the OfficeServ 500 system or for its maintenance.

WIP-5000M Phone User Guide

This is a user's manual for WIP-5000M that is designed to use wireless LAN provided from the OfficeServ 500 system.



The manuals for OfficeServ 500 Wireless LAN and WIP-5000M Phone will be provided at the time of product release in later time.

Revision History

EDITION	DATE OF ISSUE	REMARKS
00	07. 2003.	First Edition



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SAFETY CONCERNS

For product safety and correct operation, the following information must be given to the operator/user and shall be read before the installation and operation.

Symbols



Caution

Indication of a general caution



Restriction

Indication for prohibiting an action for a product



Instruction

Indication for commanding a specifically required action

 **CAUTION****Digital Phone Volume Control**

'Program 807 Digital Phone Voice Quality Control ' seriously affects the system credibility. Please call the reseller where you purchased the product to get an expert's advice.

**System Passcode Change**

When changing the system passcode using 'Program 900 System Program Delete', please call the reseller where you purchased the product to get an expert's advice.

**Compliance with the National Version Standard**

For the national version, OfficeServ50 is designed to comply with the standard of the corresponding country. Therefore, in case the 'Program 812 Program the national standard change' needs to be used, please call the service company assigned by Samsung to get an expert's advice.

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CHAPTER 1

Before Programming

In this chapter, the things to know before you start MMC programming, and the phone buttons and cautions will be discussed.

1 Introduction to Programming

The MMC program means the changes on the data that is used for the system operation program. There are 3 levels of MMC programming, such as technician, operator, and station levels. According to the programming level, the station can program or cannot program the data change. The technician level programming and the operator level programming require a passcode for each level while the station level programming does not require a passcode.

1.1 Technician Level Program

This level is allowed to program every level of program.

This level of programming can be done on every phone within the system, but it can be done for only one phone at a time.

1.2 Operator Level Program

An technician can do programming within the range set by the MMC 802-Operator Program Range Setting.

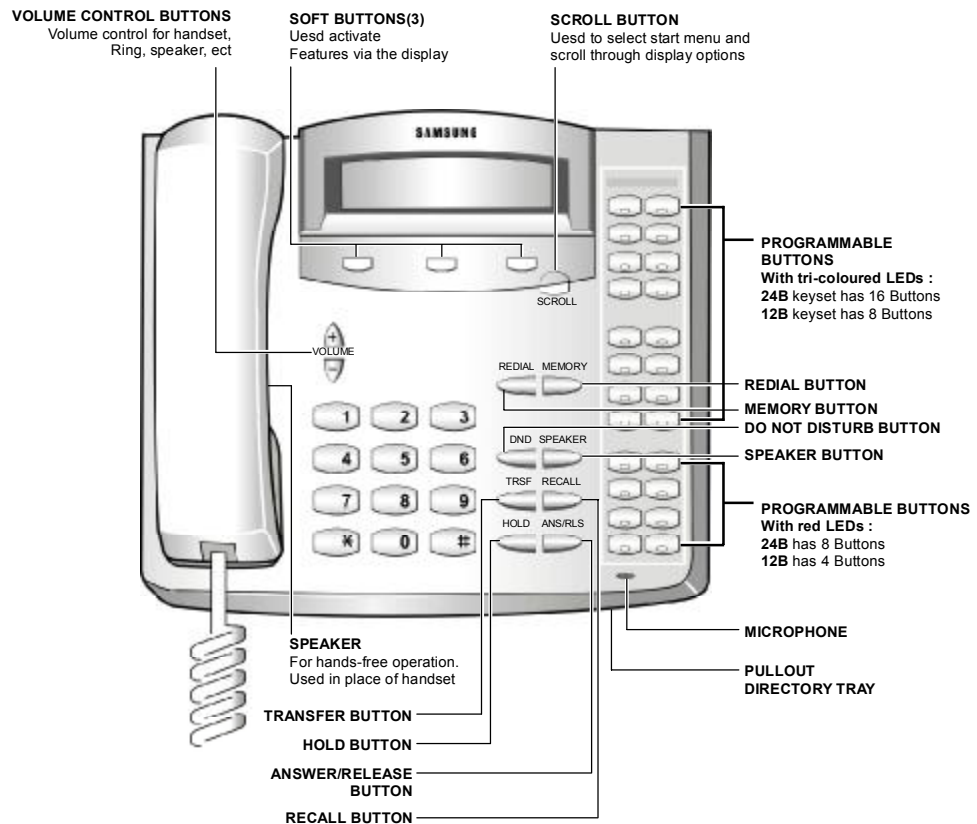
Programming is allowed for any phone within the tenant group, but it can be done for only one phone at a time.

1.3 Station Level Program

Programming can be done for only station level programs.

2 Phone Buttons

There are several phones that are allowed for MMC programming ; DCS Euro phones (24B/12B/6B LCD), DS-4000 series phones(DS-4028E, DS-4018E, DS-4008E), DS-5000D series phone(DS-5038D, DS-5021D, DS-5014D) and ITP-5000D series phone(ITP-5021D, ITP-5014D)



2.1 DCS Euro phones

The following figure shows the shape of 24B/12B LCD DCS Euro phone.

24B LCD phone has 24 programmable buttons: left column is numbered 1-12 from the top; right column is numbered 13-24 from the top.

12B LCD phone has 12 programmable buttons numbered 1-12 from top to bottom.

By default : Button 1 and 2 are set as CALL buttons. CALL buttons flash for incoming calls. Button 24(24B LCD phone) or button 12(12B LCD phone) is set as MSG button. The MSG button flashes to indicate message waiting.

- ANS/RLS : Answer and release calls
- HOLD : Hold Calls
- MEMORY : Speed dialing button
- REDIAL : Last number redial
- TRSF : Transfer current call(or enter MMC programming mode)
- SPEKER : Switch on speakerphone

2.2 DS-4000 Series phones

The following figure shows the shape of DS-4028E phone among DS-4000 series phones.

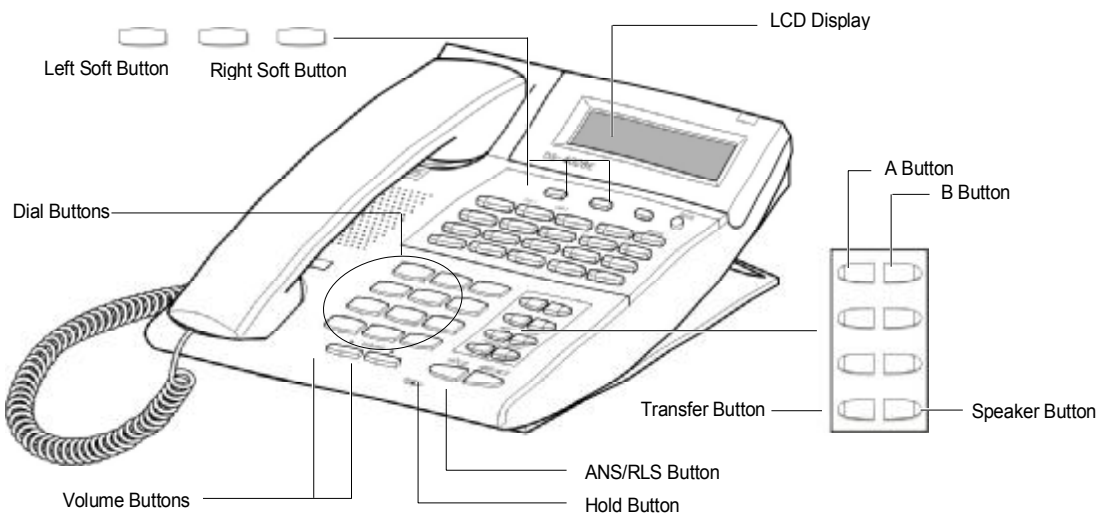


Figure 1.1 DS-4028E Phone

Among 3 Soft buttons, the first one is called the 'Left Soft button', which is used to save the modified data or to move the cursor inside the LCD display in the left direction.

Among 3 Soft buttons, the third one is called the 'Right Soft button', which is used to save the modified data or to move the cursor in the right direction.

Among 8 programmable buttons, the first 6 programmable buttons are assigned as 'A'~'F' to carry out specific functions or usage while programming. Generally, these buttons perform specific functions that you set for each corresponding button.

When MMC programming, other functions programmed on the programmable buttons are as follows :

- VOLUME : Search the selected items.
- KEYPAD : Confirm the status
- SOFT BUTTONS : Move the cursor

- SPEAKER : Save data and proceed to the next program
- HOLD : Erase the previously entered item
- A : Select either a capital letter or small letter
- B : Select either a Korean character or English character
- TRANSFER : Enter the programming code

2.3 DS/ITP-5000D Series Phones

There are several DS/ITP-5000D series phones, such as DS-5038D, DS-5021D, DS-5014D, ITP-5021D, ITP-5014D as shown in the figures below :

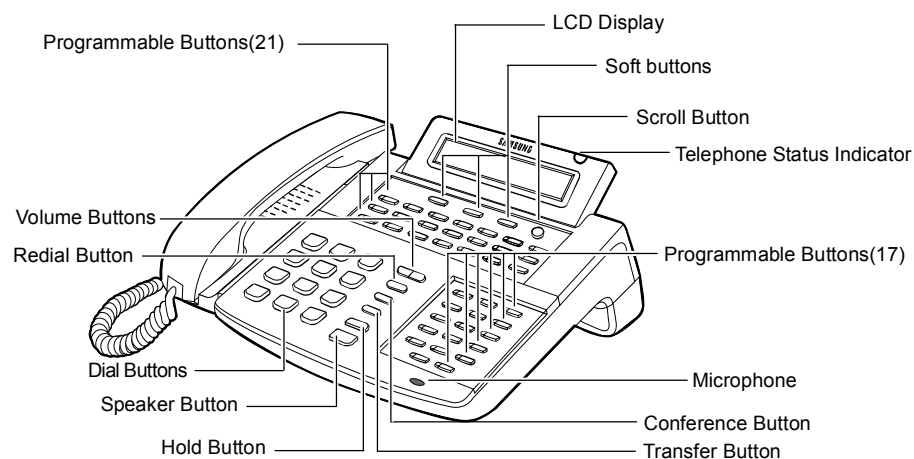


Figure 1.2 DS-5038D phone

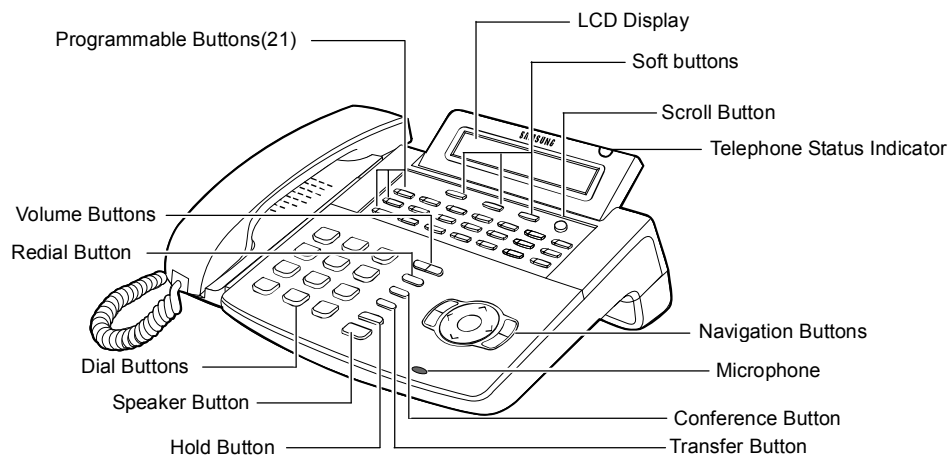


Figure 1.3 DS-5021D/ITP-5021D phone

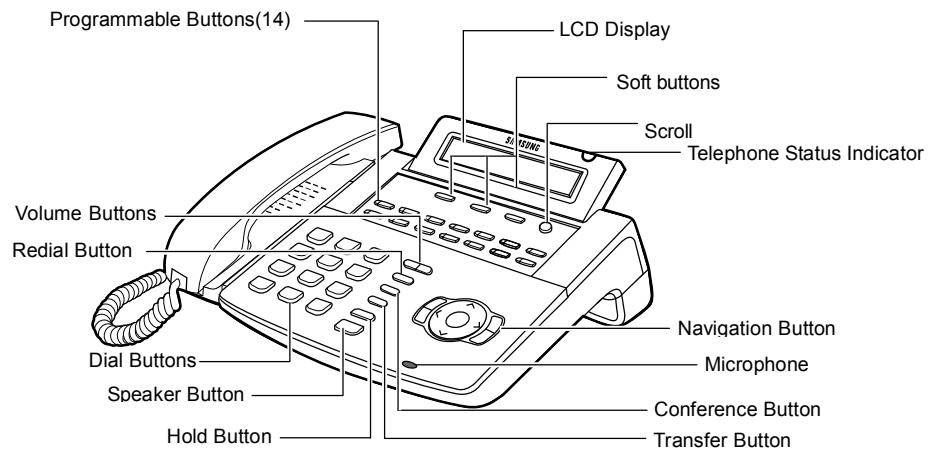


Figure 1.4 DS-5014D/ITP-5014D phone

The DS-5000D series phones have 38/21/14 programmable buttons that a station can register any functions he/she wants to use. Also, there are several other function buttons: the dial buttons, the volume button for controlling a voice volume, the redial button that allows to redial the latest phone number, the conference button that can be used during the conference, the transfer button that is used to transfer a call received during a phone conversation to another station, the hold button to hold a call for a while, the speaker button, and the navigation buttons that are designed for the convenience of phone users.

And, there is the LCD display that displays the station status and various other kinds of information. With three colors like red, green, and yellow, the station status indicator displays the current status of station.

3 Cautions in Programming

- Programming can be done while the handset is placed on the phone at a idle state.
- Programming can be done on any phone.
- Programming can be done only on the phone, not on normal phone.
- If the phone does not have the LCD display, press the numbers using the dial buttons as instructed by the programming guide, without using the volume buttons. However, if the phone does not have Soft buttons, certain programming cannot be done. Therefore, only the station level programming is allowed on the phone that does not have the LCD display.
- If the LCD displays an 'INVALID DATA' message while programming, this means that the entered data is invalid. Enter the correct data again.
- The content of the displayed message for each step shows the status after each step is executed.
- If no key is pressed for a certain period of time during programming (Key program end time, default is 60 seconds), it becomes a idle state from programming mode.
- If the phone is off hook while programming, it becomes a dial state from programming mode.
- Before the modified data is confirmed by pressing [Left Soft] button or [Right Soft] button, the [Speaker] or [Transfer] button is pressed to make it at a idle state or the phone is unplugged. In this case, the data entered up to that time will be automatically saved as the data displayed on the LCD.

4 Program List

The MMC program can be divided into programmable one and non-programmable one. The programmable MMC is classified into 3 levels, such as technician, operator, and station level. In this section, the programmable MMC for each level will be introduced.

4.1 Station Level Programming

MMC Program No.	Program Description
MMC : 100	STATION LOCK
MMC : 101	CHANGE USER PASSCODE
MMC : 102	CALL FORWARD
MMC : 103	SET ANSWER MODE
MMC : 104	STATION NAME
MMC : 105	STATION SPEED DIAL
MMC : 106	STATION SPEED DIAL NAME
MMC : 107	KEY EXTENDER
MMC : 108	STATION STATUS
MMC : 109	DATE DISPLAY
MMC : 110	STATION ON/OFF
MMC : 111	PHONE RING TONE
MMC : 112	ALARM REMINDER CLOCK
MMC : 113	VIEW MEMO NUMBER
MMC : 114	PHONE VOLUME
MMC : 115	SET PROGRAMMED MESSAGE
MMC : 116	ALARM AND MESSAGE
MMC : 117	EDIT TEXT MESSAGE
MMC : 118	CONFERENCE GROUP
MMC : 119	CALLER ID DISPLAY
MMC : 120	LARGE LCD OPTION
MMC : 121	PHONE LANGUAGE
MMC : 122	NEWS DISPLAY SPEED
MMC : 125	EXECUTIVE STATE

4.2 Operator Level Programming

4.2.1 System Related MMC

MMC Program No.	Program Description
MMC : 200	OPEN CUSTOMER PROGRAMMING
MMC : 201	CHANGE CUSTOMER PASSCODE
MMC : 202	CHANGE FEATURE PASSCODE
MMC : 203	ASSIGN UA DEVICE
MMC : 204	COMMON BELL CONTROL
MMC : 205	ASSIGN LOUD BELL
MMC : 206	BARGE-IN TYPE
MMC : 207	ASSIGN VM/AA PORT
MMC : 208	ASSIGN RING TYPE
MMC : 209	ASSIGN ADD-ON MODULE
MMC : 210	CUSTOMER ON/OFF PER TENANT
MMC : 211	DOOR RING ASSIGNMENT
MMC : 214	DISA ALARM RINGING STATION
MMC : 215	VOICE DIALLER OPTIONS
MMC : 216	VOICE DIALLER ASSIGNMENTS
MMC : 217	TRAFFIC REPORT OPTION
MMC : 220	ISDN SERVICE TYPE
MMC : 221	EXTENSION TYPE
MMC : 222	FAX PAIR
MMC : 224	WAKE-UP ANNOUNCEMENT

4.2.2 Station Related MMC

MMC Program No.	Program Description
MMC : 300	CUSTOMER ON/OFF PER STATION
MMC : 301	ASSIGN STATION COS
MMC : 302	PICKUP GROUPS
MMC : 303	ASSIGN BOSS/SECRETARY
MMC : 304	ASSIGN EXTENSION/TRUNK USE
MMC : 305	ASSIGN FORCED CODE
MMC : 306	HOT LINE/OFF HOOK SELECTION
MMC : 308	ASSIGN BACKGROUND MUSIC SOURCE
MMC : 309	ASSIGN STATION MOH SOURCE

MMC Program No.	Program Description
MMC : 310	LCR CLASS OF SERVICE
MMC : 312	ALLOW CALLER ID
MMC : 314	CONFIRM OUTGOING CALL
MMC : 315	CUSTOMER SET RELOCATION
MMC : 316	COPY STN/TRK USE
MMC : 317	ASSIGN STATION/STATION USE
MMC : 318	DISTINCTIVE RINGING
MMC : 319	BRANCH GROUP
MMC : 320	PRESET FWD NO ANSWER
MMC : 323	CALLING PARTY NUMBER

4.2.3 Trunk Related MMC

MMC Program No.	Program Description
MMC : 400	CUSTOMER ON/OFF PER TRUNK
MMC : 401	Trunk Line/PBX LINE
MMC : 402	TRUNK DIAL TYPE
MMC : 403	TRUNK TOLL CLASS
MMC : 404	TRUNK NAME
MMC : 405	TRUNK CO TEL NUMBER
MMC : 406	TRUNK RING ASSIGNMENT
MMC : 407	FORCED TRUNK RELEASE
MMC : 408	ASSIGN TRUNK MOH SOURCE
MMC : 409	TRUNK STATUS READ
MMC : 410	ASSIGN DISA TRUNK
MMC : 411	ASSIGN E1 SIGNAL TYPE
MMC : 412	ASSIGN TRUNK SIGNAL
MMC : 413	VMS CALL TYPE
MMC : 414	PRS SIGNAL
MMC : 415	REPORT TRUNK ABANDON DATA
MMC : 416	ASSIGN E&M/DID RINGDOWN
MMC : 417	E1/PRI CRC4 OPTION
MMC : 418	BRI AND PRI CARD RESTART
MMC : 419	BRI OPTIONS
MMC : 420	PRI OPTIONS

MMC Program No.	Program Description
MMC : 421	MSN DIGIT
MMC : 422	TRUNK COS
MMC : 423	S/T MODE
MMC : 424	BRI S0 MAPPING
MMC : 425	ASSIGN CALLER ID TRUNKS
MMC : 426	TRUNK GAIN CONTROL
MMC : 428	ASSIGN TRUNK/TRUNK USE
MMC : 433	COST RATE
MMC : 434	CONNECTION STATUS
MMC : 436	TRUNK TMC GAIN

4.2.4 Timer and Tone Related MMC

MMC Program No.	Program Description
MMC : 500	SYSTEM-WIDE COUNTERS
MMC : 501	SYSTEM TIMERS
MMC : 502	STATION-WIDE TIMERS
MMC : 503	TRUNK-WIDE TIMER
MMC : 504	PULSE MAKE/BREAK RATIO
MMC : 505	ASSIGN DATE AND TIME
MMC : 506	TONE CADENCE
MMC : 507	ASSIGN RING PLAN TIME
MMC : 508	CALL COST
MMC : 510	SLI RING CADENCE
MMC : 511	MSG WAITING LAMP CADENCE
MMC : 512	HOLIDAY ASSIGNMENT
MMC : 513	HOTEL TIMER
MMC : 514	TONE SOURCE
MMC : 515	ASSIGN DAYLIGHT SAVING DATE

4.2.5 Group Related MMC

MMC Program No.	Program Description
MMC : 600	ASSIGN OPERATOR GROUP
MMC : 601	ASSIGN STATION GROUP
MMC : 602	STATION GROUP NAME
MMC : 603	ASSIGN TRUNK GROUP
MMC : 604	ASSIGN STATION TO PAGE ZONE
MMC : 605	ASSIGN EXTERNAL PAGE ZONE
MMC : 606	ASSIGN SPEED BLOCK
MMC : 607	UCD OPTIONS
MMC : 608	ASSIGN REVIEW BLOCK
MMC : 609	CALL LOG BLOCK
MMC : 611	ALLOW TEXT MESSAGING
MMC : 612	ALLOW GROUP CONFERENCE
MMC : 614	STATION/TRUNK USE GROUP
MMC : 615	MGI GROUP
MMC : 616	MGI USER

4.2.6 Tables, Codes, AA, DECT and VM MMC

MMC Program No.	Program Description
MMC : 700	COPY COS CONTENTS
MMC : 701	ASSIGN COS CONTENTS
MMC : 702	TOLL DENY TABLE
MMC : 703	TOLL ALLOWANCE TABLE
MMC : 704	ASSIGN WILD CHARACTER
MMC : 705	ASSIGN SYSTEM SPEED DIAL
MMC : 706	SYSTEM SPEED DIAL BY NAME
MMC : 707	AUTHORIZATION CODE
MMC : 708	ACCOUNT CODE
MMC : 709	TOLL PASS CODE/SPECIAL CODE TABLE
MMC : 710	LCR DIGIT TABLE
MMC : 711	LCR TIME TABLE
MMC : 712	LCR ROUTE TABLE
MMC : 713	LCR MODIFY DIGIT TABLE
MMC : 714	DID NUMBER AND NAME TRANSLATION
MMC : 715	PROGRAMMED STATION MESSAGE

MMC Program No.	Program Description
MMC : 716	UK LCR OPTIONS
MMC : 717	UCD AGENT ID
MMC : 718	MY AREA CODE
MMC : 719	IDLE DISPLAY
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
MMC : 725	SMDR OPTIONS
MMC : 726	VM/AA OPTIONS
MMC : 727	SYSTEM VERSION DISPLAY
MMC : 728	CID TRANSLATION TABLE
MMC : 730	AA RECORD GAIN
MMC : 731	AA RAM CLEAR
MMC : 732	AA TRANSLATION TABLE
MMC : 733	AA PLAN TABLE
MMC : 734	AUTO ATTENDANT MESSAGE MATCH
MMC : 735	AA USE TABLE
MMC : 736	ASSIGN AA MOH
MMC : 737	DECT SYSTEM CODE
MMC : 738	DECT CLEAR REGISTRATION
MMC : 740	STATION PAIR
MMC : 741	DBS RESTART
MMC : 742	BSI STATUS
MMC : 743	DBS STATUS
MMC : 744	DECT REGISTRATION ON/OFF
MMC : 745	BSI RF CARRIER
MMC : 746	COSTING DIAL PLAN
MMC : 747	RATE CALCULATION TABLE
MMC : 750	VM CARD RESTART
MMC : 751	ASSIGN MAILBOX
MMC : 752	AUTO RECORD
MMC : 753	WARNING DESTINATION
MMC : 754	VM HALT

MMC Program No.	Program Description
MMC : 755	VM ALARM
MMC : 756	ASSIGN VM MOH
MMC : 757	VM IN/OUT
MMC : 758	VM DAY/NIGHT
MMC : 760	ITEM COST TABLE
MMC : 761	TAX RATE SETUP
MMC : 762	ROOM COST RATE

4.3 Technician Level Programming

MMC Program No.	Program Description
MMC : 800	ENABLE TECHNICIAN PROGRAM
MMC : 801	CHANGE TECHNICIAN PASSCODE
MMC : 802	CUSTOMER ACCESS MMC NUMBER
MMC : 803	ASSIGN TENANT GROUP
MMC : 804	SYSTEM I/O PARAMETER
MMC : 805	LEVEL AND GAIN
MMC : 806	CARD PRE-INSTALL
MMC : 807	PHONE VOLUME CONTROL
MMC : 809	SYSTEM MMC SANGUAGE
MMC : 810	HALT PROCESSING
MMC : 811	RESET SYSTEM
MMC : 812	SET COUNTRY CODE
MMC : 813	HOTEL OPERATION
MMC : 815	CUSTOMER DATABASE COPY
MMC : 816	CONFERENCE GAIN
MMC : 818	PROGRAM DOWNLOAD
MMC : 819	SMART MEDIA FILE CONTROL
MMC : 820	ASSIGN SYSTEM LINK ID
MMC : 821	ASSIGN NETWORK TRUNK
MMC : 822	SET VIRTUAL EXTENSION TYPE
MMC : 823	ASSIGN NETWORK COS
MMC : 824	NETWORK DIAL TRANSLATION
MMC : 825	ASSIGN NETWORKING OPTION
MMC : 826	ASSIGN SYSTEM REFERENCE CLOCK

MMC Program No.	Program Description
MMC : 829	LAN PRINTER PARAMETER
MMC : 830	ETHERNET PARAMETERS
MMC : 831	MGI PARAMETERS
MMC : 832	VOIP ACCESS CODE
MMC : 833	VoIP IP TABLE
MMC : 834	H.323 OPTIONS
MMC : 835	MGI DSP OPTIONS
MMC : 836	H.323 GK OPTIONS
MMC : 837	SIP OPTIONS
MMC : 840	IP PHONE INFOMATION
MMC : 841	SYSTEM IP OPTIONS
MMC : 850	SYSTEM RESOURCE DISPLAY
MMC : 851	ALARM REPORTING
MMC : 852	SYSTEM ALARM ASSIGNMENTS
MMC : 853	MAINTENANCE BUSY
MMC : 854	DIAGNOSTIC TIME
MMC : 855	SYSTEM OPTIONS
MMC : 856	TECH PROGRAMMING LOGS
MMC : 858	ASSIGN SYSTEM EMERGENCY ALARM
MMC : 859	HARDWARE VERSION DISPLAY
MMC : 860	UCD STATUS SERVICE
MMC : 861	SYSTEM OPTIONS
MMC : 890	INITIALIZE PORT

5 Overview of Programming Procedure

Here, the order of programming will be discussed before explaining programming method of each list. Please read the description carefully before programming.

The programming order is as follows :

- 1) Make the programmable state.
 - Press the Transfer button at pause.
 - Enter the program number, either 200 or 800.
 - Enter either the operator passcode or the technician passcode.
 - Press 1 dial button to 'enable' the programming mode.
 - In case of Program 800 Technician Program Mode Setting, enter the tenant number to be programmed.

- 2) Make the program number selectable state.

If the Speaker button is pressed, the program selection mode appears.
Or, if the Transfer button is pressed, the programming state ends and the pause state begin.

- 3) Select a program.

Enter the program number.
Or, select the program number with the Volume button and press the Speaker button.
Or, Press Transfer button in a pause state and enter the program number.

- 4) Start programming the corresponding program.



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CHAPTER 2

MMC Programming

In this chapter, how to use each program will be discussed according to each program list. First, you set the phone in the programmable state, then either set or change the value according to the corresponding programming procedure. To set the phone in the programmable state, see the 'Overview of Programming Procedure' of chapter1 in this guide.

100 STATION LOCK

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

0	UNLOCKED	Unlocks a locked station.
1	LOCKED OUT	The phone cannot make calls outside the system. It can however make and receive intercom calls and receive incoming Trunk Line calls. When in this mode the Hold button of the phone will flash slow RED.
2	LOCKED ALL	The phone cannot make or receive any calls. When in this mode the Hold button of the phone will light steady RED.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 100
Display shows
- Dial station number(e.g., 205)
OR
Press Volume button to select station and use Right Soft button to move cursor
OR
Press ANS/RLS button to select all stations
- Enter 0 to unlock or 1 to lock(e.g., 1)
OR
Press Volume button to make selection and press Right Soft button to return to step 2
- Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

ALL STATIONS UNLOCKED

RELATED ITEMS

STATION USER PROGRAMMING

101 CHANGE USER PASSCODE

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

Phone users can set or change their individual passcodes. The passcode is used to lock or unlock the phone for toll restriction(call barring) override and to access the DISA feature.



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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 101
Display shows
2. Dial phone number(e.g., 205)
OR
Use Volume button to scroll through phone numbers
and
press Right Soft button to move the cursor right
3. Press HOLD to reset passcode
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[20_] PASSCODE
PASSCODE:****
```

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

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

DEFAULT DATA

ALL STATION PASSCODES=1234

RELATED ITEMS

MMC 100 STATION LOCK

102 CALL FORWARD

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

Allows several types of call forwarding : FORWARD ALL, FORWARD NO ANSWER, FORWARD BUSY and FORWARD DND. 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
- 1 FORWARD ALL CALL
- 2 FORWARD BUSY
- 3 FORWARD NO ANSWER
- 4 FORWARD BUSY/NO ANSWER
- 5 FORWARD DND

All types forwarding can be set external number.

In MMC 701 Class of Service, if 'FORWARD' is set 'OFF', you cannot set call forward but can cancel it. And if 'EXT FWD' is set 'OFF', you cannot set external number.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 102
Display shows
- Dial station number(e.g., 205)
OR
Press Volume button to select station and press RIGHT
Soft button to move cursor

DISPLAY

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

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

3. Dial 0-* to select forward type
OR
Press Volume button to select forward type and
press Right Soft button to move cursor
4. Dial destination number(e.g., 201)
OR
Press Volume button to select destination and
press Right Soft button to move cursor
5. Dial 1 for YES, 0 for NO
OR
Press Volume button to select YES or NO and
press Right Soft button to return to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance to next MMC

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

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

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

DEFAULT DATA

NONE

RELATED ITEMS

MMC 301 ASSIGN STATION COS
 MMC 501 SYSTEM TIMERS
 MMC 502 STATION TIMERS
 MMC 701 ASSIGN COS CONTENTS
 MMC 722 STATION KEY PROGRAMMING
 MMC 723 SYSTEM KEY PROGRAMMING

103 SET ANSWER MODE

Allows the system administrator to change the answer mode of any phone.
Each phone can have its answer mode set to one of the following options :

0	RING MODE	The phone will ring in one of eight custom ring patterns. Calls are answered by pressing the ANS/RLS Button or by lifting the handset.
1	AUTO ANSWER MODE	After giving a short attention tone, the phone will automatically answer calls on the speakerphone. When a Trunk line is transferred to a phone in Auto Answer, the screened portion of the call will be Auto Answer, but the phone will ring when the transfer is complete if you have not pressed the ANS/RLS Button or lifted the handset.
2	VOICE ANNOUNCE	The phone will not ring. After a short attention tone, callers can make an announcement but the ANS/RLS Button or handset must be used to answer calls.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 103
Display shows
- Dial phone number(e.g., 205)
OR
Press Volume button to select phone and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select All
- Dial 0, 1 or 2 to change ring mode
OR
Press Volume button to select ring mode and
press Right Soft button to return to step 2 above

DISPLAY

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

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

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

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


4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL PHONES RING

RELATED ITEMS

MMC 111 PHONE RING TONE

104 STATION NAME

Allows the system administrator or technician to enter an 11-character name to identify an individual station.

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' four 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 '**A**' button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

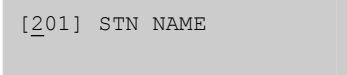
The # button can be used for the following special characters : #, space, &, !, :, ?, ,, ,, %, \$, -, <, >, /, =, [,], @, ^, (,), _ , +, {, }, |, ;, ", →, ` , and \.

PROGRAM BUTTONS

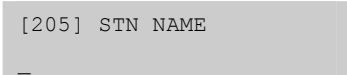
VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

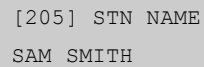
1. Press Transfer button and enter 104
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
3. Enter the station name using the procedure
described above and press Right Soft button to
return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

[201] STN NAME



[205] STN NAME



[205] STN NAME
SAM SMITH

DEFAULT DATA

NONE

RELATED ITEMS

NONE

105 STATION SPEED DIAL

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 24 digits to be dial. These dial 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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance 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 Transfer button and enter 105
Display shows

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

2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
If selected station has no speed dial bins, the
display will be as shown and a new station may
be selected.

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

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

3. Dial location number(e.g., 05)
OR
Press Volume button to select location and press
Right Soft button to move cursor

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

4. Enter trunk access code(e.g., 9) followed by the number to be dialled(e.g., 4264100)
OR
Press the Right Soft button to return to step 2
OR
Press the Left Soft button to return to step 3
Press HOLD button to clear an entry
If an error is made, use DOWN arrow to step back

5. Press 'F' button to access MMC 106 Station Speed Dial Name
OR
Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

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

DEFAULT DATA

NONE

RELATED ITEMS

MMC 106 STATION SPEED DIAL NAME
MMC 606 ASSIGN SPEED BLOCK

106 STATION SPEED DIAL NAME

Allows an 11-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 phone user to select a speed dial location by viewing its name.

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' four 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 '**A**' button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION**DISPLAY**

- | | |
|---|--|
| <p>1. Press Transfer button and enter 106
Display shows</p> | <pre>[201] SPEED NAME 00:</pre> |
| <p>2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
If selected station has no speed dial bins, the
display will be as shown and a new station may
be selected</p> | <pre>[205] SPEED NAME 00:</pre> <pre>[305] SPEED NAME SPDBLK NOT EXIST</pre> |
| <p>3. Dial speed dial location(e.g., 01)
OR
Press Volume button to scroll through location
numbers and press Right Soft button to move
cursor</p> | <pre>[205] SPEED NAME 01:_</pre> |
| <p>4. Enter the location name using the procedure
described above and press Right Soft button to
return to step 2</p> | <pre>[205] SPEED NAME 01: SAM SMITH</pre> |
| <p>5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC</p> | |

DEFAULT DATA

NONE

RELATED ITEMS

MMC 105 STATION SPEED DIAL
MMC 606 ASSIGN SPEED BLOCK

107 KEY EXTENDER

Use this program to view the programmable buttons assigned to phone 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	EXTENDER
AB	Absence(extension number)
ACC	Account code bin(000-999)
BOOK	Booking function number(Station's Speed Dial Number : 00-49)
BOSS	Boss and Secretary(1-4)
CR	VM Call Record
CS	UCD Call Status(UCD group number)
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(0-7)
GPIK	Group Pickup(01-99)
IG	IN/Out of Group(station group number)
MMPG	Meet Me Page(0-9, *)
MW	Message Waiting(extension or station group number)
PAGE	Page(0-9, *)
PARK	Park Orbits(0-9)
RP	Ring Plan(1-6)
RSV	Room Status View(1-5)-Available in Hotel/Motel enabled only
SG	Station Group(station group number)
PMSG	Programmed Station Messaging(01-20)
SP	UCD Supervisor(UCD group number)
SPD	Speed Dial(00-49, 500-999)
VG	SVM-800 Group Message(station group number)
VM	VM Memo(extension or station group number)
VT	Voice Transfer(VM group number)



When the Right Soft button will not move the cursor to the right, you are attempting to add an extender to a key that cannot have one.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 107
Display shows first station
2. Dial station number(e.g., 205)
OR
Use Volume button to scroll through station numbers and press Right Soft button to move the cursor
3. Press the Right Soft button to program the phone
OR
Use Volume button to scroll through the phone and AOM's and use the Right Soft button to move the cursor
4. Enter key number(e.g., 18)
OR
Use Volume button to scroll through keys and use Right Soft button 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 button to return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] EXT (MAST)
01:CALL1→
```

```
[205] EXT (MAST)
01:CALL1→
```

```
[201] EXT (MAST)
01:CALL1→
```

```
[201] EXT (AOM1)
01:DS→
```

```
[205] EXT (MAST)
18:DS→
```

```
[205] EXT (MAST)
18:DS207→
```

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

108 STATION STATUS

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

0	PORT #	Cabinet(1~3)/Slot(1~9)/Port(1~16)
1	TYPE	Phone Type
2	PICKUP GROUP	None, 01~99
3	SGR	Station Group Number
4	BOSS-SECR	None, 1-4
5	PAGE	None, Page Zone(0~4, *)
6	COS NO	COS(1-30) per Ring Plan(01-06)
9	TENANT GROUP	Tenant Group Number(1~2)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 108
Display shows first station
2. Dial station number(e.g., 205)

Press Volume button to select station and press
Right Soft button to move cursor
3. Dial 0~9 to select station status type
OR
Press Volume button to select status and press
Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] STN STATUS
PORT:C1-S3-P01
```

```
[205] STN STATUS
PORT:C1-S3-P05
```

```
[205] STN STATUS
PICKUP GROUP:01
```

DEFAULT DATA

PORT # : FOLLOWS HARDWARE POSITION
TYPE : DEPENDENT ON CONNECTED PHONE
PICKUP GRP : NONE
SGR : NONE
BOSS-SECR : NONE
PAGE ZONE : NONE
COS NUMBER : 01 IN ALL RING PLANS
TENANT GRP : 1

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

109 DATE DISPLAY

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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 109
Display shows
- Dial station number(e.g., 205)

Press Volume button to select station and press
Right Soft button to move cursor
OR
Press ANS/RLS button for all phones
- Dial 0~2 to select mode
OR
Press Volume button to scroll through modes and
press Right Soft button to move cursor
- Press Volume button to scroll through formats
and press Right Soft button to return to step 2

DISPLAY

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

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

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

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

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

COUNTRY : WESTERN
CLOCK : 12 HOUR
DISPLAY : LOWER CASE

RELATED ITEMS

MMC 505 ASSIGN DATE AND TIME

110 STATION ON/OFF

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

	FEATURES	DEFAULT	DESCRIPTION
00	AUTO HOLD	OFF	Automatically places an existing Trunk Line call on hold if a CALL button, trunk key or trunk route key is pressed during that call.
01	AUTO TIMER	ON	Automatically starts the stopwatch timer during a Trunk Line call.
02	HEADSET USE	OFF	When ON, this feature disables the hook switch allowing a headset user to answer all calls by pressing the ANS/RLS button.
03	HOT KEYPAD	ON	When ON, this feature allows you to dial directory numbers without having to first lift the handset or press the Speaker button.
04	KEY TONE	ON	Allows you to hear a slight tone when pressing buttons on phone.
05	PAGE REJOIN	ON	Allows you to hear the latter part of page announcements if phone becomes free during a page.
06	RING PREF.	ON	When OFF, requires you to press the fast flashing button to answer a ringing call after lifting the handset.
07	CALL COST	OFF	When ON, the cost of the call in progress will show in the upper right corner of the phone display instead of duration of the call.
08	AUTO CAMPON	OFF	When ON, phone users can allow intercom calls to camp-on to other phones without having to press a CAMP-ON key.
09	AME BGM	OFF	This feature selects whether a station using Answer Machine Emulation will hear their personal greeting or BGM while callers are listening to the personal greeting. A BGM source must be selected for this to work.
10	AME PASSCODE	OFF	When ON, station users who have AME set must enter their station password to listen to messages being left.
11	DISP SPDNAME	OFF	When ON, the speed dial name associated with a speed dial number is displayed on a phone equipped a LCD display when using speed dial.
12	CID REVW ALL	ON	When ON, saves information on all calls that ring at an extension, When OFF, saves information only on calls that were not answered at the extension or by voice mail.
13	SECURE OHVA	ON	When ON, OHVA announcements will be heard on the handset. When OFF, OHVA announcements will be heard over the phone speaker.

	FEATURES	DEFAULT	DESCRIPTION
14	NOT CONT.CID	ON	When OFF, the Caller ID will be continue display after the phone user answered call.
15	AUTO ANS CO	OFF	When On, the incoming CO call will be answered follows phone answer mode.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 110
Display shows
2. Dial the option number from above list(e.g., 4)
OR
Press Volume button to select the option and press the Right Soft button to move the cursor
3. Press Volume button to select ON or OFF
Press the Left or Right Soft button to return to step 2
OR
Dial 1 for ON or 0 for OFF
4. Press Transfer button and enter to exit

DISPLAY

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

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

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

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS

111 PHONE RING TONE

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 111
Display shows
2. Dial phone number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select All
3. Dial 1~8 to select ring tone
OR
Press Volume button to select ring tone and press
Right Soft button to move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] RING TONE
SELECTION 5
```

```
[205] RING TONE
SELECTION 5
```

```
[ALL] RING TONE
SELECTION ?
```

```
[205] RING TONE
SELECTION 5
```

DEFAULT DATA

FREQUENCY 5

RELATED ITEMS

MMC 114 PHONE VOLUME

112 ALARM REMINDER CLOCK

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 one-time or TODAY alarm or as a DAILY alarm, as described below. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time. Alarm numbers are 1, 2 and 3. In the case of Secondary Pair assignments(MMC 220) the alarm only rings the station that is programmed and does not ring the paired station.

0	NOTSET	No alarm
1	TODAY	Alarm only once
2	DAILY	Alarm daily at set time

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 112
Display shows
- Dial station number(e.g., 205)

Press Volume button to select station and press Right Soft button
- Dial 1~3 to select alarm(e.g., 1)
OR
Press Volume button to select alarm and press Right Soft button
- Enter alarm time in 24-hour clock format (e.g., 1300 for 1pm)

DISPLAY

```
[201] ALM CLK(1)
HHMM:→NOTSET
```

```
[205] ALM CLK(1)
HHMM:→NOTSET
```

```
[205] ALM CLK(1)
HHMM:→NOTSET
```

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

5. Dial entry from above list for alarm type(e.g., 2)
OR
Press Volume button to select alarm type and
press Right Soft button to move cursor and return
to
step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

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

DEFAULT DATA

ALARMS ARE NOTSET

RELATED ITEMS

NONE

113 VIEW MEMO NUMBER

Allows a station user the ability to view a memo left by the user. A memo can be left by entering it via the dial keypad using the table below. A memo of up to and including 13 characters can be entered. For example, using the dial keypad, press '6' once to enter the letter 'M', and press '3' twice for an 'E'. Pressing the A button will change the letters from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

1. Press Transfer button and enter 113
Display shows
2. Press Right Soft button to move cursor and add memo via dial keypad using procedure above
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

DEFAULT DATA

NONE

RELATED ITEMS

NONE

114 PHONE VOLUME

Allows the station user or system administrator to set the ring volume, off hook ring volume, handset receive volume, speaker volume, background music volume and page volume for any or all phones.

0	RING VOLUME	This is the volume setting for the phone ringer. There are eight volume levels : level 1 is the lowest and level 8 the highest.
1	OFF-RING VOL	This is the volume of the alert tone that tells you there is a call camped on to your phone. There are eight volume levels : level 1 is the lowest and level 8 the highest.
2	HANDSET VOL	This is the volume setting for conversations on the handset receiver. There are eight volume levels : level 1 is the lowest and level 8 the highest.
3	SPEAKER VOL	This is the receive volume setting for conversations on the speaker phone of a phone. There are 16 volume levels : level 1 is the lowest and level 16 the highest.
4	BGM VOLUME	This is the volume you will hear background music over the phone speaker at when your phone is idle and BGM is turned on. There are 16 volume levels : level 1 is the lowest and level 16 the highest.
5	PAGE VOLUME	This is the volume you will hear internal page over the phone speaker when your phone is idle and BGM is turned on. There are 16 volume levels : level 1 is the lowest and level 16 the highest.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 114
Display shows
2. Dial phone number(e.g., 205)
3. Press Volume button to select volume type

DISPLAY

```
[201] STN VOLUME
RING VOLUME :4
```

```
[205] STN VOLUME
RING VOLUME :4
```

```
[205] STN VOLUME
SPEAKER VOL :13
```

4. Press Volume button to select volume

```
[205] STN VOLUME  
SPEAKER VOL :08
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

RING VOLUME : 4
OFF-HOOK RING VOLUME : 4
HANDSET VOLUME : 4
SPEAKER VOLUME : 13
BGM VOLUME : 13
PAGE VOLUME : 13

RELATED ITEMS

MMC 111 PHONE RING TONE

115 SET PROGRAMMED MESSAGE

Allows the system administrator to set a programmed message at any or all phones. There are 20 messages available. The first ten are pre-programmed and the remaining entries can be customized in MMC 715, Programmed Station Message. The last five messages can be modified by each phone user.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 115
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor
OR
Press ANS/RLS button to select All
3. Dial an entry number to select message number (e.g., 05)
OR
Press Volume button to select message and press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

```
[ALL] PGMSG (??)
```

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

DEFAULT DATA

NO MESSAGES SELECTED

RELATED ITEMS

MMC 715 PROGRAMMED MESSAGE
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING

116 ALARM AND MESSAGE

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 and each alarm may be defined as a one-time or TODAY alarm or as a DAILY alarm, as described below. The TODAY alarm is automatically cancelled 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.

0	NOTSET	No alarm
1	TODAY	Alarm only once
2	DAILY	Alarm daily at set time

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 message is 'SAM SMITH,' press the number '7' four 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 button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION**DISPLAY**

1. Press Transfer button and enter 116 Display shows	[20 ¹] ALM REM(1) HHMM:→NOTSET
2. Dial station number(e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor OR Press ANS/RLS button to select all stations	[20 ⁵] ALM REM(1) HHMM:→NOTSET [ALL] ALM REM(1) HHMM:→NOTSET
3. Dial 1~3 to select alarm(e.g., 2) OR Press Volume button to select alarm and press Right Soft button to move cursor	[20 ⁵] ALM REM(<u>2</u>) HHMM:→NOTSET
4. Enter alarm time in 24-hour clock format (e.g., 1300 for 1pm) Display will automatically advance to step 5	[20 ⁵] ALM REM(2) HHMM: <u>1300</u> →NOTSET
5. Dial valid entry from above list for alarm type (e.g., 2) OR Press Volume button to select alarm type and press Right Soft button to move cursor	[20 ⁵] ALM REM HHMM:1300→DAILY
6. Enter messages using above table and press Right Soft button to return to step 2	[20 ⁵] ALM REM Sam SMITH
7. Press Transfer button and enter to exit OR Press Speaker button to advance next MMC	

DEFAULT DATA

ALARMS ARE NOTSET

RELATED ITEMS

NONE

117 EDIT TEXT MESSAGE

Allows the system administrator or technician to set or change text message for any station. One station can use up to 10 text messages.

In MMC 611Text Message Station set USED station only uses this feature. In case of a large LCD phone, system set to USED automatically.

Messages 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 message is 'SAME TIME', press the number '7' four 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 button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

DISPLAY

- | | |
|--|------------------------------------|
| 1. Press Transfer button and enter 117
Display shows | [201] TXTMSG (01)
Blank Message |
| 2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor | [205] TXTMSG (01)
Blank Message |
| 3. Dial 01~10 to select message
OR
Press Volume button to select message and press
Right Soft button to move cursor | [205] TXTMSG (02)
Blank Message |
| 4. Enter messages using above table and press Right
Soft button to return to step 3 | [205] TXTMSG (02)
SAME TIME |
| 5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC | |

DEFAULT DATA

BLANK MESSAGE

RELATED ITEMS

MMC 611 TEXT MESSAGE STATION

118 CONFERENCE GROUP

Allows the system administrator or technician to set one touch conference group using GCONF key for any station. One station can use up to 5 conference groups, and each group can be set 5 member.

In MMC 612 Conference Group Station set USED station only uses this feature.

In case of a large LCD phone, system set to USED automatically.

On conference member, allows both internal station or station group number and outgoing access code plus external telephone number.

Conference group 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 group name is 'SAMSUNG', press the number '7' four 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 button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION**DISPLAY**

- | | |
|---|---------------------------------|
| 1. Press Transfer button and enter 118
Display shows | [201] GRP (1) NAME |
| 2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor | [203] GRP (1) NAME |
| 3. Dial 1~5 to select group
OR
Press Volume button to select group and press
Right Soft button to move cursor | [203] GRP (1) NAME |
| 4. Dial 0 to select name or dial 1~4 to select member

OR
Press Volume button to select name or member
and press Right Soft button to move cursor
OR
Press Left Soft button to return to step 3 | [203] GRP (1) MBR1
NONE |
| 5. Enter conference member dial number and press
Right Soft button to return to step 4 | [203] GRP (1) MBR1
9-2794296 |
| 6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC | |

DEFAULT DATA

NONE

RELATED ITEMS

MMC 612 CONFERENCE GROUP STATION
 MMC 722 STATION KEY PROGRAMMING
 MMC 723 SYSTEM KEY PROGRAMMING

119 CALLER ID DISPLAY

Allows the technician to set the individual station display preference on a per station basis. Caller ID or CLI can be selected to either show the name, number first, or no display depending on the type of call. Caller ID or CLI displays have the following options :

0	NO DISPLAY	No Caller ID or CLIP data will be displayed.
1	NUMBER FIRST	The Caller ID or CLIP number received from the Central Office will be displayed first.
2	NAME FIRST	The Caller ID or CLIP name received will be displayed first. In the case of CLIP the number must be programmed in the CLIP translation table(MMC 728). CLIP does not provide names.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 119
Display shows first station
2. Enter station number(e.g., 205)
OR
Press Volume button to scroll through stations and press the Right Soft button to select a station
OR
Press ANS/RLS button to select ALL and press the Right Soft button.
3. Dial display option 0, 1 or 2(e.g., 2)
OR
Press Volume button to select option and press Right or Left Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
[201] CID DISP
NUMBER FIRST
```

```
[205] CID DISP
NUMBER FIRST
```

```
[ALL] CID DISP
NUMBER FIRST
```

```
[205] CID DISP
NAME FIRST
```

DEFAULT DATA

NUMBER FIRST

RELATED ITEMS

MMC 312 ALLOW CALLER ID

MMC 425 ASSIGN CID TRUNKS

MMC 608 ASSIGN REVIEW BLOCKS

MMC 728 CALLER ID TRANSLATION TABLE

120 LARGE LCD OPTION

Allows the system administrator to set any of the large LCD phone for the following options.

0	IDLE DISPLAY	Sets whether to display 'CANENDER' or 'INFORMATION' on LCD at idle state
1	DS KEY DISPLAY	Sets whether to display 'Dial Number' or 'Directory Name' for 'DS' key on LCD
2	DIAL MODE	Sets dial mode ENBLOCK or OVERLAP of phone

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 120
Display shows
2. Enter station number(e.g., 205)
OR
Press Volume button to scroll through stations and press the Right Soft button to select a station
OR
Press ANS/RLS button to select ALL and press the Right Soft button.
3. Dial the option number from above list(e.g., 4)
OR
Press Volume button to select the option and press the Right Soft button to move the cursor
4. Press Volume button to select ON or OFF
Press the Left or Right Soft button to return to step 2 OR
Dial 1 for ON or 0 for OFF
5. Press Transfer button and enter to exit

DISPLAY

```
[201] IDLE DISP
CALENDER
```

```
[203] IDLE DISP
CALENDER
```

```
[ALL] IDLE DISP
CALENDER
```

```
[203] DS KEY DSP
TEL NUMBER
```

```
[203] DS KEY DSP
EXT NAME
```


DEFAULT DATA

IDLE DISP	CALENDER
DS KEY DSP	TEL NUMBER
DIAL MODE	ENBLOCK

RELATED ITEMS

MMC 719 IDLE DISPLAY

121 PHONE LANGUAGE

Allows phone users the ability to assign an LCD display based on user's own language.

- 0 ENGLISH
- 1 GERMAN
- 2 PORTUGAL
- 3 NORSK
- 4 DANISH
- 5 DUTCH
- 6 ITALY
- 7 SPANISH
- 8 SWEDISH
- 9 SPANISH/USA
- 10 FRENCH/CANADA

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 121
Display shows
- Dial station number(e.g., 205)
OR
Press Volume button to select station and use
Right Soft button to move cursor
OR
Press ANS/RLS button to select all stations
- Dial 00~10 for language required
OR
Press Volume button to make selection and
press Right Soft button

DISPLAY

```
[20_] LANGUAGE
ENGLISH
```

```
[205] LANGUAGE
ENGLISH
```

```
[ALL] LANGUAGE
?
```

```
[205] LANGUAGE
GERMAN
```

4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next
MMC

DEFAULT DATA

ENGLISH

RELATED ITEMS

MULTIPLE LANGUAGE

122 NEWS DISPLAY SPEED

Used to set the Smart news display speed. This timer is only related to the Smart News PC Application Package.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 122
Display shows first station
2. Enter station number(e.g., 205)
OR
Press Volume button to scroll through stations
and press the Right Soft button to select a station
OR
Press ANS/RLS button to select ALL.
3. Dial speed option(03~10).
4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

```
[201] CALL SPEED
03→
```

```
[205] CALL SPEED
03→
```

```
[205] CALL SPEED
03→04
```

DEFAULT DATA

03

RELATED ITEMS

NONE

125 EXECUTIVE STATE

Allows the system administrator or technician to set executive station's the following options.

0	EXEC STATE	When inter-working with EASYSET, the state of executive station can be displayed.
1	STATE (IN)	If EXEC STATE sets to OTHERS(IN), the EASYSET display this message.
2	STATE (OUT)	If EXEC STATE sets to OTHERS(OUT), the EASYSET display this message.
3	ANSWER MODE	When the secretary call by BOSS key, the executive station ringing or automatically answer follows this option.

State display messages 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 message is 'CONFERENCE', press the number '2' three times to get the letter 'C.' Now press the number '6' three times to get the letter 'O.' Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

1. Press Transfer button and enter 125
Display shows
2. Dial executive station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
3. Dial 0~3 for selects option
OR
Press Volume button to make selection and
press Right Soft button
4. Dial 0~9 for selects state
OR
Press Volume button to make selection and
press Right Soft button
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] EXEC STATE
IN THE ROOM
```

```
[205] EXEC STATE
IN THE ROOM
```

```
[205] EXEC STATE
IN THE ROOM
```

```
[205] EXEC STATE
IN A MEETING
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

200 OPEN CUSTOMER PROGRAMMING

Used to open(enable) and close(disable) 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 digits 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 BUTTONS

VOLUME	Select open or closed
KEYPAD	Used to enter passcode
SPEAKER	Save data and advance to next MMC
TRANSFER	Exit Programming

ACTION

1. Press Transfer button and enter 200
Display shows
2. Enter passcode

Correct code shows

Incorrect code shows
3. Press Volume button arrow key to select
ENABLE
or DISABLE and press Right Soft button OR
Dial 1 for ENABLE or 0 for DISABLE
4. Press Speaker button to advance MMC entry
level and press Volume button to select MMC
OR
Enter MMC number and press Right Soft button
to enter MMC
5. Press Transfer button to exit

DISPLAY

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

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

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

```
ENABLE CUS.PROG.
PASSCODE ERROR
```

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

```
201:CUS.PASSCODE
SELECT PROG. ID
```

DEFAULT DATA

DISABLE

RELATED ITEMS

MMC 201 CHANGE CUSTOMER PASSCODE

MMC 501 SYSTEM-WIDE TIMERS

MMC 802 CUSTOMER ACCESS MMC NUMBER

201 CHANGE CUSTOMER PASSCODE

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



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

PROGRAM BUTTONS

KEYPAD	Used to enter passcodes
SPEAKER	Save data and advance to next MMC

ACTION

1. Press Transfer button and enter 201
2. Enter new passcode via dial keypad (maximum four digits)
3. Verify new passcode via dial keypad
 - Passcode verified(go to step 4)
 - OR
 - Passcode failure
 - Return to step 2
4. Press Transfer button and enter to exit
 - OR
 - Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

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

DEFAULT DATA

PASSCODE=1234

RELATED ITEMS

MMC 200 OPEN CUSTOMER PROGRAMMING

202 CHANGE FEATURE PASSCODE

Used to change the passcodes for the following features.

0	RING PLAN	This is the passcode required to place the system in different ring plans(RP) or change the ring time override(RTO).
1	DISA ALARM	This is the passcode required to clear a DISA ALARM generated when the number of DISA attempts are exceeded.
2	ALARM CLR	This is the passcode required to clear a ALARM generated by the disconnection of BI-PMS SIO. -Available in Hotel/Motel enabled only.
3	AA RECORD	This is the passcode required to record prompts for use with the AA ports on the Auto Attendant card.
4	DECT REGST	This is the passcode required to registration of DECT phone.
5	DELETE	This passcode is used to allow a change to be deleted from a room bill.
6	WLI REGST	This is the passcode required to registration of WIP phone.



The passcode is four digits long. Each digit can be 0-9.

PROGRAM BUTTONS

KEYPAD	Used to enter passcodes
SPEAKER	Save data and advance to next MMC

ACTION

1. Press Transfer button and enter 202
Display shows
2. Press Volume button to make selection Press
Right Soft button to move cursor to passcode entry
3. Enter new passcode via digits from dial keypad

Press Right Soft button to return to step 2
Continue to change other passcodes
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
CHANGE PASSCODE
RING PLAN :0000
```

```
CHANGE PASSCODE
AA RECORD :4321
```

```
CHANGE PASSCODE
AA RECORD :9999
```

DEFAULT DATA

RING PLAN	0000
DISA ALARM	5678
ALARM CLR	8765
AA RECORD	4321
DECT REGST	4321
DELETE	9999
WLI REGIST	0000

RELATED ITEMS

MMC 410 ASSIGN DISA TRUNK
MMC 507 ASSIGN AUTO NIGHT TIME
MMC 722 STATION KEY ASSIGNMENTS
RING PLAN PROGRAMMING

203 ASSIGN UA DEVICE

Assigns ringing device to be accessed when a Universal Answer(UA) key is pressed or the UA pickup code is dialled. UA assignment is made in MMC 601 Assign Station Group for a group and then the group is entered here. The device type is automatically determined by the directory number(DN) entered.



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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter DN of selected device
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 203
Display shows current assignment
2. Dial DN of UA device(e.g., 205)
OR
Use Volume buttons to scroll through available devices
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

```
ASSIGN UA PORT
205 -STATION
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 204 COMMON BELL CONTROL
MMC 601 ASSIGN STATION GROUP
MMC 605 ASSIGN EXTERNAL PAGE ZONE

204 COMMON BELL CONTROL

Determines whether the common bell relay contacts have an interrupted or continuous closure when activated. If interrupted is chosen, the relay follows an internal Trunk Line ring pattern of one second closed followed by three seconds open.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 204
Display shows current setting
2. Dial common bell number
OR
Press Volume button to make selection of common bell numbers and press Right Soft button to advance cursor
3. Dial 0 for continuous or 1 for interrupted operation
OR
Use Volume button to scroll through options and press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3801] COM. BELL
CONTINUOUS
```

```
[3801] COM. BELL
CONTINUOUS
```

```
[3802] COM. BELL
INTERRUPTED
```

DEFAULT DATA

CONTINUOUS

RELATED ITEMS

MMC 203 ASSIGN UA DEVICE
MMC 601 ASSIGN STATION GROUP

205 ASSIGN LOUD BELL

Designates the station that controls the loud bell ring output of a MISC board. Each MISC board can have up to a loud bell outputs.

The loud bell will follow the ring cadence of the designated station. Only a station can be assigned to control the loud bell; a station group cannot be assigned.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Clears previous entry

ACTION

1. Press Transfer button and enter 205
Display shows current setting
2. Dial loud bell number(e.g., 3902)
OR
Use Volume button to scroll through loud bell numbers and press Right Soft button to move the cursor
3. Enter station number(e.g., 201)

Press Volume button to make selection and press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3901]LOUD BELL
RING PAIR:NONE
```

```
[3902]LOUD BELL
RING PAIR:None
```

```
[3902]LOUD BELL
RING PAIR:201
```

DEFAULT DATA

UNASSIGNED

RELATED ITEMS

NONE

206 BARGE-IN TYPE

Sets the type of barge-in that is permitted.

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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 206
Display shows
2. Dial 0 2 to select barge-in type(e.g., 2)
OR
Press Volume button to select barge-in type and press Right Soft button
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

```
BARGE IN TYPE
WITHOUT TONE
```

DEFAULT DATA

NO BARGE-IN

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS

207 ASSIGN VM/AA PORT

Enables SLI ports to be designated as NORMAL or VMAA. VMAA ports receive digits designated in MMC 726 VM/AA Options and also receive a true disconnect signal upon completion of a call. Only SLI cards, not key daughter boards, support disconnect signal. Do not make VMAA ports data; this will return them to a single line port and stop voice mail integration. VMAA ports have the equivalent of data protect written in the program and are protected against tones.



This MMC is not used to assign voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the system detects a CADENCE or a SVMi-8/16 card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 207

Display shows
- Dial station number(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor
- Dial 1 or 0 to select port type
(1=VMAA, 0=NORMAL)
Press Volume button to select option and press Right Soft button
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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


DEFAULT DATA

NORMAL PORT

RELATED ITEMS

MMC 726 VM/AA OPTIONS

MMC 601 STATION GROUP

208 ASSIGN RING TYPE

Provides the flexibility to program single lines to have ICM ringing, Trunk Line ringing and data secure. With the many types of external ringing devices, all configurations can be met. All devices will also have a positive disconnect signal. Do not make VM/AA ports data; this will return them to a single line port and stop voice mail integration.

0	ICM RING	Follows normal SLI ring cadence.
1	CO RING	Follows Trunk line ring cadence.
2	DATA RING	Follows Trunk line ring cadence and not supports off hook ring.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 208
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
3. Dial 1,2 or 0 to select port type(e.g., 2)
OR
Press Volume button to select option and press
LEFT or Right Soft button to return to step 2
above
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

DEFAULT DATA

ICM RING

RELATED ITEMS

NONE

209 ASSIGN ADD-ON MODULE

Designates to which phone an add-on module(AOM) is assigned.

There is no limit to the number of AOMs that can be assigned in the system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
RELEASE	Used to advance next MMC
HOLD	Clears previous entry

ACTION

1. Press Transfer button and enter 209
Display shows first AOM
2. Dial AOM number
OR
Use Volume button to scroll through AOM numbers
and
use Soft buttons to move cursor
3. Enter station number(e.g., 301)
OR
Use VOLUME for selection of stations and
press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

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

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

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

DEFAULT DATA

NONE FOR MASTER

RELATED ITEMS

NONE

210 CUSTOMER ON/OFF PER TENANT

Allows the system administrator to set in system features on a per-tenant basis. Each system option has a corresponding dialling number, as listed below. All options toggle ON/OFF.

	OPTIONS	DEFAULT	DESCRIPTION
00	DISA PSWD	ON	When ON, a caller must enter extension number and DISA password when they call a DISA trunk. When OFF, extension number and DISA password are not required and the caller has full access to all features allowed on this trunk.
01	LCR ENABLE	OFF	This option determines whether the system will or will not route outgoing calls based on the information in the LCR routing tables
03	PERI UCD RPT	OFF	Periodic UCD Information provider. Enables UCD Statistics data on a per UCD group basis to print out on the IO port which has been set as PERI UCD in real time(every 3~99 seconds). This allows the information to be interfaced and manipulated by an external package or third party provided software.
04	CID CODE INS	OFF	When ON, the system will insert the country code when receiving CID information. This feature can use the CID display call back feature.
05	DISA MOH	OFF	When ON, outside parties will hear trunk MOH instead of dial tone from the time the system answers a DISA trunk until the caller dials a digit.
06	TRANSFER MOH	OFF	When 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.
08	DID BSY ROUT	OFF	When ON, a DID call directed to a busy station will re-route to the destination in MMC 406 for that trunk if CW is set to OFF in MMC 714. If the CW option is set to ON the call will camp on. When OFF and the CW option is set to OFF, the call will re-route to the operator.
09	ALARM MOH	ON	When ON, if station user answer alarm ring, will hear station MOH instead of dial tone.
12	CONF TONE	OFF	When ON, provides conference tone every conference tone time. -Available in Australia or Italy only

	OPTIONS	DEFAULT	DESCRIPTION
13	RECALL PIKUP	ON	When ON, a call recalling to a station can be picked up using Direct Call Pickup, Pickup Group and My Group features. This applies to held calls recalling and transferred calls recalling to a station. This applies to held calls recalling and transferred calls recalling to a station.
14	ICM EXT FWD	OFF	When ON, call forward external is allowed when intercom calls are placed to a station that has Call Forward External programmed and set.
16	DID ERR TONE	OFF	This option was added to provide error tone when an invalid DID number is received.
18	KTS DISC ALM	OFF	When ON, generates system alarm when a phone disconnect or connect.
19	OFF HOOK ALM	OFF	When ON, generates system alarm when a phone maintains off hook condition longer than timer.
20	SL SELF RING	OFF	When ON, generates ring during 10 seconds when a single line phone dials self number and hang up.
21	SGR INC BUSY	OFF	When ON, generates busy tone when all station group member busy for group call.
24	TRANSFER CANCEL	OFF	When OFF, a single line phone will be able to handle 2 calls simultaneously. Using the hook-flash to toggle between them. When ON, a single line telephone will be able to connect to the second call, but pressing the hook flash will not toggle between the two calls it will disconnect the second call and reconnect the single line telephone to the first call.
26	RECALL DISC	OFF	When ON, the system disconnects a call when transfer recall.
29	ARD TONE CHK	ON	When OFF, the system use time for checking destination is busy when auto retry.
30	VPN ENABLE	OFF	When ON, the Australia type VPN enabled.
31	IN TOLL CHK	OFF	When OFF, the system doesn't toll restrict when incoming call.
32	ISDN PROGCON	OFF	When ON, if an outgoing call receives PROGRESS message from ISDN trunk, the call will connect without CONNECT message.
33	INCLUDE VAT	OFF	When OFF, not printed VAT total line when Hotel Report.(Available in Hotel/Motel enabled only)
36	DSS KEY DPU	OFF	When ON, directed pick-up the call when press ringing DS key.

	OPTIONS	DEFAULT	DESCRIPTION
37	BEGN DGT DSP	OFF	When ON, an outside call is made via speed dial or LNR where more than 11 digits are dialed then the first dialed digits are shown on the phone display.
38	ONE TCH FACC	OFF	When OFF, the forced account mode user can not use one touch account code(ACC) key.
39	SGR ALL OUT	OFF	When ON, the last of station group member can out of group.
40	CHAIN FWD	ON	When ON, a call is directed to a station that may be forwarded to another station that is call forwarded to a VMAA, then the caller will be directed to the last station's mailbox it reached. When OFF, the caller will be directed to the first station's mailbox instead of the last.
41	TRK MONITER	OFF	When ON, can override to trunk and a call is connected override extension when a original caller hang on. When OFF, can override to extension only and a call is disconnected when a original caller hang on.
42	VOIP MFRALOC	OFF	When ON, a MFR assigned for VoIP tandem call when a call incoming from VoIP trunk to another trunk outgoing.
43	NTWK AUTOTMR	OFF	When OFF, a call duration timer disabled via networking intercom call.
44	USE EURO	OFF	When ON, a call cost display by euro currency.
45	NO STAFF COD	OFF	When ON, the steps verifying the staff code will be omitted in HOTEL operation.
46	PERI UCD SIO	OFF	When ON, the PERI UCD data will be sent to the SMDR IO port.
47	AUTO CLEANED	OFF	When the room is checked-out, the room status is changed to NEED CLEAN. When the option is set to ON, the room status will be changed to AVAILABLE.
48	REDIAL REVW	OFF	When ON, the CALL LOG review status will be appeared when LNR button is pressed.
49	ISDN KEYFAC	OFF	When ON, if phone user press '*' or '#' during conversation via BRI trunk, system send information message instead of digit message.
50	CHK SPV TRK	OFF	When ON, if both trunks don't have supervision feature then cannot make outgoing transfer or unsupervised conference.

	OPTIONS	DEFAULT	DESCRIPTION
51	PRE FWD BUSY	OFF	When ON, a call arrives busy station, that is not set forward busy, if preset no answer destination is available, a call re-route to that destination immediately.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 210
Display shows
2. Dial option number(e.g. 00)
Press Right Soft button to move cursor
3. Dial 1 for ON or 0 for OFF
OR
Press Volume button to make selection and press Right Soft button
4. Repeat steps 2-3 for other options
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
TEN. ON AND OFF
DISA PSWD :OFF
```

```
TEN. ON AND OFF
DISA PSWD :OFF
```

```
TEN. ON AND OFF
DISA PSWD :ON
```

DEFAULT DATA

SEE DESCRIPTION/SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

LCR PROGRAMMING
 MOH PROGRAMMING
 CID PROGRAMMING
 DID PROGRAMMING
 VMAA PROGRAMMING
 ALARM PROGRAMMING
 MMC 410 ASSIGN DISA TRUNK

211 DOOR RING ASSIGNMENT

Designates which station or group of stations will ring when a door box button is pressed. If the ring plan destinations are not input the default ring plan 1 is used. Available Ring Plan inputs are 1 through 6.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Clears previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 211
Display shows first door phone
2. Dial door phone number(e.g., 230)
OR
Press Volume button to scroll through door phone numbers and use the Right Soft button to move cursor
OR
Press ANS/RLS button to select All door ring
3. Enter new ring plan number selection via dial keypad
OR
Press Volume button to make selection and press Right Soft button
4. Press Right Soft button to return to step 2
OR
Press Left Soft button to return to step 3
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[229] DOOR RING
1:500 2:500
```

```
[230] DOOR RING
1:500 2:500
```

```
ALL] DOOR RING
1:500 2:500
```

```
[250] DOOR RING
1:301 2:500
```

DEFAULT DATA

STATION GROUP 500

RELATED ITEMS

NONE

214 DISA ALARM RINGING STATION

Assigns the DISA alarm to ring at a specific phone. It is recommended that the person who can clear the alarm also receives the notification. A valid destination can be either a station group or an individual station. The alarm ringing station or group will follow the ring plan time destination.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 214
Display shows

DISPLAY

```
DISA ALARM RING
1:500  2:500
```

2. Enter in valid destination number for ring plan(e.g., 217)
OR
Press Volume button to make selection and press Right Soft button to advance cursor

```
DISA ALARM RING
1:217  2:500
```

3. Enter in valid destination number for another ring plan(e.g., 249)
OR
Press Volume button to make selection

```
DISA ALARM RING
1:217  2:249
```

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL RING PLAN : 500

RELATED ITEMS

MMC 202 CHANGE FEATURE PASSCODES
MMC 410 ASSIGN DISA TRUNK

215 VOICE DIALLER OPTIONS

Assigns either two(2) channels and seven(7) users or one(1) channel and five(5) users to the VDIAL card. When changing channel size, you will be prompted to 'clear RAM'. This is only for Voice Dialler, not the system.

This will prevent accidental usage of pre-recorded names. It is advised that you clear RAM before assigning users in MMC 216.

2CH-7USER-20BIN(7 USERS)

1CH-5USER-40BIN(5 USERS)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 215
Display shows
2. Enter Voice Dialler number(e.g., 3551)
via dial keypad
OR
Press Volume button to select Voice Dialler and
use Right Soft button to move cursor
3. Dial 0 or 1 for Voice Dialler channel select.
OR
Press Volume button to make selection and
press Right Soft button
4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

```
[3551]VDIAL OPTN
2CH-7USER-20BIN
```

```
[3551]VDIAL OPTN
2CH-7USER-20BIN
```

```
[3551]VDIAL OPTN
1CH-5USER-40BIN
```

DEFAULT DATA

None

RELATED ITEMS

MMC 216 VOICE DIALLER ASSIGNMENTS
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING
MMC 724 DIAL NUMBER PLAN

216 VOICE DIALLER ASSIGNMENTS

Allows a station to be assigned to a channel of the VDIAL, card, to dial a personal speed dial number. The number of users assigned to this feature is controlled by MMC215, VOICE DIALLER OPTIONS, which allows either two(2) channels with seven(7) users or one(1) channel with five(5) users.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 216
Display shows
2. Enter Voice Dialler number(e.g., 3551) via dial keypad
OR
Press Volume button to select Voice Dialler and use RIGHT
Soft button to move cursor
3. Dial 1-7 for user index number.
OR
Press Volume button to make selection and press Right Soft button
4. Dial extension number.
OR
Press Volume button to make selection and press Right Soft button to return to step 3.
5. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
[3551]VDIAL DIAL
USER 1:NONE
```

```
[3551]VDIAL DIAL
USER 1:NONE
```

```
[3551]VDIAL DIAL
USER 1:NONE
```

```
[3551]VDIAL DIAL
USER 1:201
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 215 VOICE DIALLER OPTIONS
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING
MMC 724 DIAL NUMBER PLAN

217 TRAFFIC REPORT OPTION

This MMC is used to print a traffic report and select options. The traffic report can be printed upon demand, every hour, at a programmed time of each day, or up to three separate timed shifts. Automatic printing will always clear the totals.

When report **MANUAL PRINT OUT** is selected, the options are :

PRINT AND CLEAR	A report is printed and all totals are reset to 0.
PRINTOUT ONLY	A report is printed and all the totals are saved.
CANCEL PRINTOUT	The program return to previous menu if no report is ended.

When **AUTO PRINT OPTN** is selected, the options are :

AUTO PRINT OFF	Automatic print feature is disabled.
DAILY	A report is printed at a programmable time every day and all the totals are reset to '0
EVERY HOUR	A Traffic report will be printed every hour
TIME SHIFTS	Up to three separate Start and End times may be programmed to report traffic within certain times of a day. A report is printed at the end of each End time and all totals are reset to '0

When a report is printed, the totals represent call statistics accumulated from the date of the last report stated as BEGINNING : D & T up to the date of this printout stated as ENDING D & T. See the sample report at the end of this MMC.

If there are no trunks in a group, the trunk group report for that group will not print.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION**DISPLAY**

1. Press Transfer button and enter 217
Display shows
2. Dial 0 for demand or 1 for automatic print
OR
Press Volume button to select and press RIGHT
Soft button
3. Dial 0, 1, 2 or 3 for automatic print option
OR
Press Volume button to select option and press
Right Soft button
4. Enter daily report time(HHMM)
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
TRAFFIC REPORT
MANUAL PRINTOUT
```

```
TRAFFIC REPORT
AUTO PRINT OPTN
```

```
TRAFFIC REPORT
DAILY HHMM:2359_
```

```
TRAFFIC REPORT
DAILY HHMM:2200
```

DEFAULT DATA

NO REPORT

RELATED ITEMS

MMC 804 SYSTEM I/O

220 ISDN SERVICE TYPE

Assign the ISDN service type of single line telephone port. Service consist of BC (Bearer Capability) and HLC(High Layer Capability).

	TYPE	DESCRIPTION	BC	HLC
0	VOICE	Voice service	Speech	
1	FAX 3	G3 FAX service	3.1 kHz Audio	FAX G2/G3
2	AUDIO 3.1	3.1 kHz Audio service	3.1 kHz Audio	None
3	MODEM	MODEM service	3.1 kHz Audio	Telephony

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 220
Display shows
2. Enter the station number(e.g., 210)
OR
Press Volume button to select station and press RGHT Soft button
3. Select service type(0-3)
OR
Press Volume button to select option and press RGHT Soft button
4. Press Transfer button and enter button to exit .
OR
Press Speaker button to advance next MMC

DISPLAY

```
[209] ISDN SVC
VOICE
```

```
[210] ISDN SVC
VOICE
```

```
[210] ISDN SVC
AUDIO 3.1
```

DEFAULT DATA

VOICE

RELATED ITEMS

NONE

221 EXTENSION TYPE

This MMC enables station ports to be defined for a specific use. Each telephone can be designated as being one of the five(5) following types. These types can be changed by dialling the type number or by scrolling through the types and pressing the Right Soft button to select the type desired.

0	NORMAL STATION	This is the default setting. The station will operate in the normal manner associated with this type of station. Ports designated as VMAA in MMC 207 must be designated as normal in this MMC.
1	GUEST SMOKING	When a station is designated as this type it will appear in room status and check in features as a smoking room.
2	GUEST NO SMOKING	When a station is designated as this type it will appear in room status and check in features as a non smoking room.
3	MEETING ROOM	Stations designated as Meeting room stations will have the same attributes as guest rooms with regard to cleaning and occupied status but will not show up while scrolling through room status lists.
4	ADMINISTRATOR	Only stations designated as administrator stations can use the hotel motel features such as check in etc.
5	FAX STATION	When a station is designated as this type it can be assigned to pair station of GUEST SMOKING ROOM or GUEST NO SMOKING ROOM in MMC 223.



This MMC is available for Hotel/Motel enabled only

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 221
Display shows
2. Dial station number(e.g., 214)
OR
Press Volume button to select station and press
Right Soft button to move cursor
3. Dial 0 to 5 to select station type
OR
Press Volume button to select option and press
Right Soft button
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] PHONE USE
NORMAL STATION
```

```
[214] PHONE USE
NORMAL STATION
```

```
[214] PHONE USE
GUEST NO SMOKING
```

DEFAULT DATA

NORMAL STATION

RELATED ITEMS

HOTEL/MOTEL FEATURE

222 FAX PAIR

This MMC enables a guest room to have a additional FAX line.



This MMC is available for Hotel/Motel enabled only

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 222
Display shows
2. Enter the room station number via dial keypad
(e.g., 202)
OR
Press Volume button to select and press RIGHT
Soft button
3. Enter the fax station number via dial keypad
(e.g., 2902)
OR
Press Volume button to select and press RIGHT
Soft button
4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] FAX PAIR
NONE
```

```
[202] FAX PAIR
NONE
```

```
[202] FAX PAIR
290
```

DEFAULT DATA

NONE

RELATED ITEMS

HOTEL/MOTEL FEATURE

224 WAKE-UP ANNOUNCEMENT

This MMC is enhance Wake Up feature. The system will play a recorded message when a Wake Up call is answered by the user. The Wake Up Announcement feature will require an Automated Attendant(AA) card be installed in the system. When a Wake Up call is answered, the system will access the customized Wake Up message (1-48) that has been recorded in the AA card. The end user will record this message and have the ability to change it when desired Auto Attendant operation. The Wake Up message will have no default ROM message assigned to it. However a ROM message(49-64) may also be assigned as the Wake Up message if desired.

This MMC has three options.

AA GROUP	Determines which AA group will be connected when a Wake Up call is answered. This destination can be a any AA groups.
MESSAGE NO	Determines which message will be played when a Wake Up call is answered. This destination can be a custom recorded message(1-48) or one of the pre-programmed messages(49-64).
GROUP BUSY	Determines which tone source will be connected when a AA group members are all busy. This destination can be a NONE, TONE or extern music on hold. If NONE set then dial tone connected, if TONE set then hold tone connected.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 224
Display shows
2. Dial 0, 1 or 2 for option select
OR
Press Volume button to select option and press Right Soft button
3. Enter the AA group number
OR
Press Volume button to select and press RGHT Soft button to return to step 2.

DISPLAY

```
WAKE-UP ANNOUNCE
AA GROUP :NONE
```

```
WAKE-UP ANNOUNCE
AA GROUP :NONE
```

```
WAKE-UP ANNOUNCE
AA GROUP :520
```

4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

AA GROUP : NONE
MESSAGE NO : NONE
GROUP BUSY : NONE

RELATED ITEMS

WAKE-UP ANNOUNCEMENT FEATURE

300 CUSTOMER ON/OFF PER STATION

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

	OPTIONS	DEFAULT	DESCRIPTIONS
00	ACCESS DIAL	ON	Determines whether a user can select a trunk or trunk group by dialling its directory number(DN). This selection should be turned to off when using LCR.
01	MICROPHONE	ON	Allows all 12 and 24 button phones to be used in the speakerphone mode.
02	OFF-HOOK RING	ON	Will allow a short burst of ring tone to indicate another call.
03	SMDR PRINT	ON	When the station is set for no Trunk Line 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.
04	TGR ADV.TONE	ON	When this feature is set to ON, a warning tone will be heard each time LCR advances to the next route.
05	VMAA FORWARD	ON	This feature selects whether Trunk Line calls can be forwarded to voice mail. When ON, Permits forward to voice mail. When OFF, No forward to voice mail.
07	NGT PASSCODE	ON	When ON, the steps verifying the RING PLAN passcode will be added in Ring Plan change.
08	INTRCOM SMDR	OFF	When the station is set to OFF, the station will not print intercom calls on SMDR.
09	FWD DLY USE	OFF	When the station is set to ON, if the station has no answer forward number without no answer forward set then a call both ringing original extension and no answer forward number when a incoming call is directed to the station and the station does not answer until no answer forward time.
10	FORWARD OVRD	OFF	When the station is set to ON, if the station call to forwarded station, the call will not forward.
11	RECL TO OPER	OFF	When the station is set to ON, if the station transfer a call and the destination doesn't answer, the call will be recall to operator instead of the station.
12	SLT PWR DISC	OFF	When the normal phone is set to ON, if the station receives real disconnect signal instead of busy tone or error tone. In case of VMAA ports or DATA RING ports are not reference this option, this type SLI ports are always receives real disconnect signal.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 300
Display shows

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

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

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

OR

Press Volume button to select station

OR

Press ANS/RLS button for all and press RIGHT Soft button to move cursor

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

3. Press Volume button to select feature and press Right Soft button to move cursor

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

4. Dial 1 for ON or 0 for OFF

OR

Press Volume button to select and press RIGHT Soft button

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

5. Press Left Soft button to return to step 2
Press Right Soft button to return to step 1

OR

Press Transfer button and enter to exit

OR

Press Speaker button to advance next MMC

DEFAULT DATA

SEE DESCRIPTION/SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

LCR PROGRAMMING

301 ASSIGN STATION COS

Used to assign class of service to each phone. There are 30 different classes of service that are defined in MMC 701, Assign COS Contents. There are 6 ring plans based on the Ring Plan Time in MMC 507 that can apply to the COS. Classes of service are numbered 01-30. Default is COS 01.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 301
Display shows first station
- Dial station number(e.g., 205)
OR
Use Volume button to scroll through stations
Press Right Soft button to advance step 3
OR
Use Volume button to scroll through stations and
press Left Soft button to advance Step 4
OR
Press ANS/RLS button to select all stations
- Enter new ring plan selection via dial keypad
OR
Press Volume button to make selection OR
press Right Soft button to move cursor
- Enter ring plan class of service(e.g., 05)
OR
Use Volume button to scroll through classes of
service and press Right Soft button to advance
the next ring plan.
OR
Use Volume button to scroll through classes of
service and press Left Soft button to return to step 2

DISPLAY

```
[201] STN COS
1:01 2:01 3:01
```

```
[205] STN COS
1:01 2:01 3:01
```

```
[ALL] STN COS
1:01 2:01 3:01
```

```
[205] STN COS
1:01 2:01 3:01
```

```
[205] STN COS
1:05 2:01 3:01
```

5. Enter the next ring plan class of service (e.g., 05)OR

Use Volume button to scroll through classes of service and press Right Soft button to move cursor to the next ring plan.

OR

Use Volume button to scroll through classes of service and press Left Soft button to return to previous step.

6. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

```
[205] STN COS  
1:05 2:01 3:01
```

DEFAULT DATA

RING PLANS 1-6=01

RELATED ITEMS

MMC 701 ASSIGN COS CONTENTS
MMC 507 ASSIGN RING PLAN TIME
MMC 220 SECONDARY STATION

302 PICKUP GROUPS

Allows the assignment of stations into call pickup groups. There is a maximum of 99 pickup groups. An unlimited number of members can belong to each group. Stations can only be in one pickup group at any given time.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 302
Display shows
2. Dial station number(e.g., 205)
OR
Use Volume button to select station number and press Right Soft button
OR
Press ANS/RLS button to select all
3. Dial pickup group number(e.g., 05)
OR
Press Volume button to select group number
4. Press Right Soft button to return to step 2 to enter more stations
OR
Press Left Soft button to return to step 3
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

NO PICKUP GROUPS ASSIGNED

RELATED ITEMS

MMC 107 KEY EXTENDER
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING

303 ASSIGN BOSS/SECRETARY

Assigns BOSS phones to SECRETARY phones. 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 phone(s). A dedicated BOSS button must also be programmed on the BOSS phone.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL
F BUTTON	Used to toggle BOSS/SECRETARY field

ACTION

DISPLAY

1. Press Transfer button and enter 303
Display shows

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

2. Dial BOSS station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button

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

3. Dial SECRETARY number(1, 2, 3 or 4)
OR
Press Volume button to select number and press
Right Soft button

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

4. Dial SECRETARY station number(e.g., 201)
OR
Press Volume button to select station
Press Right Soft button to return to step 3 to
enter more SECR numbers

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

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

5. Press Left Soft button to return to step 2 and continue entries
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

NONE

RELATED ITEMS

MMC 722 STATION KEY PROGRAMMING

304 ASSIGN EXTENSION/TRUNK USE

Allows trunk use groups on a per-station use group 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.

Stations are set within the use group number 001~300 and trunks are within the use group number 301~500 at MMC 614. ASSIGN USE GROUP.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 304
Display shows
2. Dial the station use group number(e.g., 005)
OR
Press Volume button to select station use group and press Right Soft button
OR
Press ANS/RLS button to select all station use Group
3. Dial the station use group number(e.g., 304)
OR
Press Volume button to select trunk use group and press Right Soft button
OR
Press ANS/RLS button to select all trunk use group

DISPLAY

```
(001) USE (301)
DIAL: YES ANS: YES
```

```
(005) USE (301)
DIAL: YES ANS: YES
```

```
(ALL) USE (301)
DIAL: YES ANS: YES
```

```
(005) USE (304)
DIAL: YES ANS: YES
```

```
(005) USE (ALL)
DIAL: YES ANS: YES
```

4. Press Volume button to select YES/NO option
OR
Dial 1 for YES or 0 for NO and press RIGHT
Soft button to move cursor to ANS option

```
(005) USE (304)
DIAL:NO ANS:YES
```

- Press Volume button to select YES/NO Option
OR
Dial 1 for YES or 0 for NO and press RIGHT
Soft button to return to step 2

```
(005) USE (304)
DIAL:NO ANS:YES
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

DIAL=YES
ANS=YES

RELATED ITEMS

MMC 316 COPY STATION/TRUNK USE
MMC 317 ASSIGN STATION/STATION USE
MMC 428 ASSIGN TRUNK/TRUNK USE
MMC 614 STATION/TRUNK USE GROUP

305 ASSIGN FORCED CODE

This MMC allows only one of the four options to be selected; the assignment of account code with verification, account code without verification, authorization codes, or none on a per-station basis or on an all-station basis. The system supports 500 authorization codes. The system supports 999 account codes that are verified when account codes verified is selected. If account codes without verification is selected, then there will be no table used.

0	NONE	No Account or Authorization code required (NOT forced strictly voluntary).
1	AUTHORIZE CODE	Forces user to enter a valid over four digit Authorization code listed in AUTHORIZATION CODE Table(MMC 707).
2	ACCT VERIFIED	Forces user to enter a valid account code listed in ACCOUNT CODE Table(MMC 708).
3	ACCT NO VERIFIED	Forces user to enter an account code but this code is NOT verified. User can make up any code (any account code up to 12 digits including * and #).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 305
Display shows
- Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
- Dial a feature option 0-3(e.g., 2)
OR
Press Volume button to select option and press
Right Soft button to return step 2

DISPLAY

[201] FORCD CODE
NONE

[205] FORCD CODE
NONE

[205] FORCD CODE
ACCT VERIFIED

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

NONE

RELATED ITEMS

MMC 707 AUTHORIZATION CODE

MMC 708 ACCOUNT CODE

306 HOT LINE/OFF HOOK SELECTION

Allows a station the ability to make a predetermined call similar to a ring down circuit, upon the expiration of a timer(see MMC 502 STN TIMERS, Off-Hook Selection Timer). The hotline destination can be a station, a station group, a trunk, a trunk group or an external number. There can be a maximum of 18 digits in the dial string for the external number. The access code for the trunk or trunk group access code is not counted as part of the 18.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance 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 ']'

ACTION

DISPLAY

1. Press Transfer button and enter 306
Display shows
2. Dial station number
OR
Use Volume button to scroll through stations
Press Right Soft button to move the cursor
3. Enter the hot line destination ie a station or trunk ID(e.g., 9 or 701) with a maximum of 18 outgoing digits
after the access code for the CO call
(see above list of options if needed)
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

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

```
[205] HOT LINE
NONE
```

```
[205] HOT LINE
9-1305P4264100_
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 502 STN TIMERS, OFF-HOOK SELECTION TIMER

308 ASSIGN BACKGROUND MUSIC SOURCE

Assigns a background music source to the phones. There are 6 possible music selections depending on the number of MISC(daughter) boards that are installed in the system.

You may also select an Auto Attendant(AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the BGM source will be the message defined in MMC736 from the port defined in this MMC.

For example, if this MMC selects 201 s music source as 3966(the last port on the second AA card) and MMC 736 selects Message 20 for the second AA card, when extension 201 is placed on hold, 201 will hear message 20 from the second installed AA card.

If you have a SVMi Voice Mail System installed you may also select a SVMi recording as a music. The recording must already been defined in MMC 756 and will show up here as the SVMi port assigned with the recording.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 308
Display shows current setting
2. Dial phone number(e.g., 205)
OR
Use Volume button to scroll through phone numbers and press Right Soft button to move the cursor
OR
Press ANS/RLS button to select all stations

DISPLAY

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

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

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

3. Enter source number(e.g., 371)
OR
Press Volume button to make selection and press
Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

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

DEFAULT DATA

NONE

RELATED ITEMS

MMC 309 ASSIGN STATION MOH SOURCE
MMC 408 ASSIGN TRUNK MOH SOURCE
MMC 736 ASSIGN AA MOH
MMC 756 ASSIGN VM MOH

309 ASSIGN STATION MOH SOURCE

Assigns a Music on Hold source to the phones. Any BGM source may be selected. Only one external music source is provided per MISC(daughter) board.

In addition to TONE or a music a source from a MISC daughter board, you may also select an AA port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the Music on Hold will be the message defined in MMC 736 from the port defined in this MMC.

For example, if this MMC selects 201 music source as 3966(the last port on the second AA card) and MMC736 selects Message 20 for the second AA card, when extension 201 is placed on hold, 201 will hear Message 20 from the second installed AA card.

If you have a SVMi Voice Mail System installed you may also select a SVMi recording as a music. The recording must already been defined in MMC 756 and will show up here as the SVMi port assigned with the recording.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 309
Display shows current setting
2. Dial phone number(e.g., 205)
OR
Use Volume button to scroll through phone numbers and press Right Soft button to move the cursor
OR
Press ANS/RLS button to select all stations
3. Enter source number(e.g., 371)
OR

DISPLAY

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

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

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

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

Press Volume button to make selection and
press Right Soft button to return to step 2
Press Transfer button and enter to exit

4. OR
Press Speaker button to advance next MMC

DEFAULT DATA

TONE

RELATED ITEMS

MMC 308 ASSIGN BACKGROUND MUSIC SOURCE
MMC 736 ASSIGN AA MOH
MMC 756 ASSIGN VM MOH

310 LCR CLASS OF SERVICE

Assigns the LCR class of service allowed on a per-station basis. There are eight classes which may be assigned. LCR class of service allows specific users to trunk advance up to a matching LCR class of service programmed in MMC 712.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 310
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor
OR
Press ANS/RLS button to select All stations
3. Dial 1-8 to select class type(e.g., 3)
OR
Press Volume button to select class type and press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

LEAST COST ROUTING COS 1

RELATED ITEMS

LCR PROGRAMMING

312 ALLOW CALLER ID

Allows the system administrator or technician to allow or deny CID data to be send or displayed at with LCD phones.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 312
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select ALL
3. Dial 0 or 1 to select receive option
OR
Press Volume button to select receive option and
press Right Soft button to move cursor
4. Dial 0 or 1 to select send option
OR
Press Volume button to select send option and
press Right Soft button to return to step 2.
5. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

```
[201] CID/ANI
RCV: YES SND: YES
```

```
[205] CID/ANI
RCV: YES SND: YES
```

```
[ALL] CID/ANI
RCV: YES SND: YES
```

```
[205] CID/ANI
RCV: YES SND: YES
```

```
[205] CID/ANI
RCV: YES SND: YES
```

DEFAULT DATA

```
RCV : YES
SND : YES
```

RELATED ITEMS

```
MMC 119 CALLER ID DISPLAY
MMC 425 ASSIGN CALLER ID TRUNKS
```

314 CONFIRM OUTGOING CALL

Allows the outgoing call restricted by call duration time, disconnect or confirm with tone.

0	NONE	No action
1	CONFIRM TONE	When a Trunk Line confirm tone time expire, a call user heard system confirmation tone and next a Trunk Line confirm tone time started.
2	DISCONNECT	When a Trunk Line confirm tone time expire, a call is disconnected.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 314
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and use
Right Soft button to move cursor
OR
Press ANS/RLS button to select all stations
3. Dial a feature option 0-2
OR
Press Volume button to make selection and
press Right Soft button to return to step 2
4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

```
[201] CO CONFIRM
NONE
```

```
[205] CO CONFIRM
NONE
```

```
[ALL] CO CONFIRM
NONE
```

```
[205] CO CONFIRM
CONFIRM TONE
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 501 SYSTEM WIDE TIMER

315 CUSTOMER SET RELOCATION

Customer Set Relocation allows System Administration level or Technician level access to relocate or exchange similar stations in the system without wiring changes (see Allow Table below). This program is a one for one exchange with like stations. e.g. Single line to single line, 6 button phone to 6 button phone, etc. All individual station assignments such as trunk ring, station group, station COS, station speed dial, button appearances, etc. will follow the Customer Set Relocation program. 12 button phones and 24 button phones can be exchanged. 48 button modules and 64 button modules can also be exchanged. Single line stations numbers can be exchanged. If incompatible set types are selected the system will provide an ERROR : NO MATCH message. If 48 or 64 button module units are to be exchanged the Master assignment must be removed prior to using Customer Set relocation. If the 48 or 64 button module Master station is not removed the error code ERROR : NOT ALONE will appear on the LCD display. A station must be in the idle state(on hook) to perform Customer Set Relocation. If a wired location has a station port connected but no telephone instrument the Customer Set Relocation program will allow set relocation as long as the station types are similar.

12 button and 24 button assignments should be taken in consideration when relocating these types of sets due to the button configurations of the instruments. If a 12 button set and a 24 button set are exchanged using the Customer Set Relocation program the first twelve buttons on the 24 button set will have the button programming of the 12 button set. The 12 button set will then have the programming of the first twelve buttons of the 24 button set. In other words, when exchanging 12 and 24 button set only the first twelve buttons will swapped.



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

NOTE

Table 2.1 Customer Set Relocation Allow Table

S/L	DS-6B	DS-12B	DS-24B	DS-48B	DS-64B	DS-28B	DS-18B	DS-8B	DS-21D	DS-14D	DS-12L	IP-21D	IP-14D	IP-12L
S/L	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
DS-6B	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
DS-12B	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N
DS-24B	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N
DS-48B	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N
DS-64B	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N
DS-28B	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
DS-18B	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
DS-8B	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
DS-21D	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N
DS-14D	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N
DS-12L	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
IP-21D	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
IP-14D	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
IP-12L	N	N	N	N	N	N	N	N	N	N	N	N	N	Y

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 315
Display shows
- Enter first station number(e.g., 202)
press Right Soft button to move cursor
- Enter second station number(e.g., 210)
Press Right Soft button to enter data
- Display will return to STEP 1
Go to STEP 2
OR

DISPLAY

```
SET RELOCATION
EXT_ EXT
```

```
SET RELOCATION
EXT202 EXT_
```

```
SET RELOCATE
EXT202 EXT210
```

```
SET RELOCATION
EXT_ EXT
```

5. Press Speaker button to advance next MMC

DEFAULT DATA

NONE

RELATED ITEMS

NONE

316 COPY STN/TRK USE

Provides a tool for duplicating station/trunk use assignments in MMC 304 from one station user group to another. This can be done on a per-station use group basis or on all station use groups.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 316
Display shows
2. Enter station use group number(e.g., 005)
OR
Press Volume buttons to make selection and press
Right Soft button to move cursor
3. Enter station use group number to copy from
Cursor is returned to step 2
OR
Press Volume button to make selection
4. Press Right Soft button to return to step 2
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
(001] CPY USABLE
FROM:NONE
```

```
(005] CPY USABLE
FROM:NONE
```

```
(005) CPY USABLE
FROM:003
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 304 ASSIGN EXTENSION/TRUNK USE
 MMC 317 ASSIGN STATION/STATION USE
 MMC 428 ASSIGN TRUNK/TRUNK USE
 MMC 614 STATION/TRUNK USE GROUP

317 ASSIGN STATION/STATION USE

This MMC is used to allow or restrict stations from making intercom calls to each other within the same tenant.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

DISPLAY

1. Press Transfer button and enter 317
Display shows
2. Dial the station use group number(e.g., 005)
OR
Press Volume button to select station and
press Right Soft button
OR
Press ANS/RLS button to select all station use
groups
3. Dial the station use group number(e.g., 004)
OR
Press Volume button to select station and
press Right Soft button
4. Dial 1 for YES or 0 for NO
OR
Press Volume button to select YES/NO and
press Right Soft button to move cursor
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
(001) USE (001)
DIAL: YES
```

```
(005) USE (001)
DIAL: YES
```

```
(ALL) USE (001)
DIAL: YES
```

```
(005) USE (004)
DIAL: YES
```

```
(005) USE (004)
DIAL: NO
```

DEFAULT DATA

DIAL=YES

RELATED ITEMS

MMC 304 ASSIGN EXTENSION/TRUNK USE

MMC 316 COPY STATION/TRUNK USE

MMC 428 ASSIGN TRUNK/TRUNK USE

MMC 614 STATION/TRUNK USE GROUP

318 DISTINCTIVE RINGING

Allows the technician to select the ring tone heard at a phone when called by a specific station or when a specific trunk rings that phone. There is also a cadence control option to perform a similar function for single line sets. There are eight ring tones available along with a Follow Station(F-STN) option for the phones. There are 5 cadences and a follow station option for SLT's.

STONE OPTION

F-STN	Calls will ring with the phone users choice of ring frequency.
1~8	Calls from the programmed station or trunk will ring phones with this ring frequency.

CADENCE OPTION

F-STN	Calls will ring with the normal SLT ring cadences.
1	Calls from the programmed station or trunk will ring SLT's with the intercom ring cadence.
2	Calls from the programmed station or trunk will ring SLT's with the CO ring cadence.
3	Calls from the programmed station or trunk will ring SLT's with the DOOR ring cadence.
4	Calls from the programmed station or trunk will ring SLT's with the ALARM ring cadence.
5	Calls from the programmed station or trunk will ring SLT's with the CALLBACK ring cadence.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION**DISPLAY**

1. Press Transfer button and enter 318
Display shows first station
2. Dial trunk or station number(e.g., 705)
OR
Press Volume button to select trunk or station
and press Right Soft button to move cursor
3. Dial 1-8 to select ring tone
OR
Press Volume button to select ring tone and press
Right Soft button to move cursor
4. Dial 1-5 to select ring cadence
OR
Press Volume button to select ring cadence and
press Right Soft button to move cursor
5. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next
MMC

```
[201] RING TONE
T:F-STN C:F-STN
```

```
[705] RING TONE
T:F-STN C:F-STN
```

```
[705] RING TONE
T:5 C:F-STN
```

```
[705] RING TONE
T:5 C:3
```

DEFAULT DATA

F-STN FOLLOW STATION SETTING

RELATED ITEMS

MMC 111 PHONE RING TONE

319 BRANCH GROUP

Allows the assignment of stations into branch groups. There is a maximum of 99 branch groups. When CO ring is ringing at station assigned the same branch group can answer the incoming call by off hook.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 319 Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and use Right Soft button to move cursor
OR
Press ANS/RLS button to select all stations
3. Dial a branch group number(01-99)
OR
Press Volume button to make selection and press Right Soft button to return to step 2
4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
[201] BRANCH GRP
BRANCH GRP:NONE
```

```
[205] BRANCH GRP
BRANCH GRP:NONE
```

```
[ALL] BRANCH GRP
BRANCH GRP:??
```

```
[205] BRANCH GRP
BRANCH GRP:10
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

320 PRESET FWD NO ANSWER

Allows a technician to assign a default destination for FNA to each station on the system. These destinations may be different for each station or they may be the same. The preset FNA destination will be temporarily overwritten if the station user enters a different FNA destination. If you cancel the new destination, the preset destination will once more be in effect. Preset Forward No Answer time follows the station no answer forward timer.

Preset forward no answer can be assigned respectively for each type of call.

0	INT	Preset forward no answer applies only to intercom call.
1	EXT	Preset forward no answer applies only to incoming call.
2	BOTH	Preset forward no answer applies to both intercom and incoming call.

If MMC 210. PRE FWD BUSY sets ON, the forward busy follows this feature.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 320
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select all stations
3. Dial valid number via keypad
OR
Press Volume button to select call type and press
Right Soft button to move cursor

DISPLAY

```
[201] PRESET FNA
NONE OPT: BOTH
```

```
[205] PRESET FNA
NONE OPT: BOTH
```

```
[ALL] PRESET FNA
NONE OPT: BOTH
```

```
[205] PRESET FNA
202 OPT: BOTH
```

4. Dial call type (0, 1 or 2)
OR
Press Volume button to make selection and press
Right Soft button to return to step 2

5. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next
MMC

```
[205] PRESET FNA  
202 OPT:EXT
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 102 FORWARDING
MMC 210 CUSTOMER ON/OFF PER TENANT
MMC 502 STATION FWD NO ANS TIMER

323 CALLING PARTY NUMBER

Allows a maximum 16 digits number to be entered and associated with a station or trunk number on a per PRI/BRI basis. When this station makes an outgoing call on this PRI, the maximum 16 digits number entered will be the Calling Party Number sent on this outgoing PRI call. There are 4 tables for system.

In case of empty, system use MMC 405 : CO TRUNK NUMBER for the Calling Party Number.

PROGRAM BUTTONS

VOLUME	Used to scroll through options/move cursor left or right
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 323
Display shows
2. Dial extension or trunk number(e.g., 230)
OR
Press Volume button to select extension and press Right Soft button to move the cursor
3. Dial table number.
OR
Press Volume button to select table number and press Right Soft button to move the cursor
4. Enter the Calling Party Number.
5. Repeat Step 3 & 4 to enter other tables and Calling Party Numbers.
OR
Repeat Steps 2, 3, & 4 to enter other station or trunk and Calling Party Numbers.
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] SEND CLIP
1:
```

```
[230] SEND CLIP
1:
```

```
[230] SEND CLIP
2:
```

```
[230] SEND CLIP
2:3055922900
```

DEFAULT DATA

EMPTY

RELATED ITEMS

MMC 405 CO TRUNK NUMBER
MMC 420 PRI OPTIONS
MMC 419 BRI OPTIONS
MMC 834 VOIP H.323 OPTIONS
MMC 837 VOIP SIP OPTIONS

400 CUSTOMER ON/OFF PER TRUNK

Assigns several options(listed below) on a per-trunk basis.

	OPTIONS	DEFAULT	DESCRIPTION
0	1A2 EMULATION	OFF	When this option is set to ON up to 4 internal stations can participate in a conversation on this trunk by pressing the trunk key.
1	TRUNK INC DND	OFF	When this option is set to ON a trunk that is programmed to ring a specific station(a private line or DIL) will ring at that station if the station is in DND.
2	TRUNK FORWARD	ON	When this option is set to OFF this trunk will not follow a ringing stations call forwarding.
2	LCR ALLOW	OFF	When this option is set to ON, if the station access this trunk will re-route via LCR outgoing. This feature available in Australia, New Zealand, Italy and U.K. only
4	MOH/BGM USE	OFF	When this option is set to ON, this trunk uses MOH source. This feature available Australia's 8TRK/7TRK only.
6	EFWD EXT CLI	ON	This option determines what kinds of CLI number will be sent to the external forwarded outgoing call. (Station or Received CLI from Trunk)
7	REPEAT CLI	ON	This option determines what kinds of CLI number will be sent to the trunk to trunk call. (Trunk or Received CLI from Trunk)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION**DISPLAY**

1. Press Transfer button and enter 400
Display show
2. Dial trunk number(e.g., 704)
OR
Press Volume button to select trunk
OR
Press ANS/RLS button for all trunks and press
Right Soft button to move cursor to options
3. Dial option number from above list(0-4)
OR
Press Volume button to select option and press
Right Soft button to move cursor
4. Dial 1 for ON or 0 for OFF
OR
Press Volume button to select ON/OFF and
press Right Soft button to return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

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

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

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

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

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

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

MMC 405 CO TRUNK NUMBER
MMC 323 CALLING PARTY NUMBER
MMC 714 DID NUMBER AND NAME TRANSLATION
LCR PROGRAMMING
CALL FORWARD

401 Trunk Line/PBX LINE

Used to select the mode of the Trunk line. If the PBX mode is chosen, this allows PBX access codes to be recognized, thus allowing more complete toll restriction(call barring). This mode is assigned on a per-trunk basis.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 401
Display shows
2. Dial trunk number(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press Right Soft button to move
OR
Press ANS/RLS button to select ALL
3. Dial 1 for PBX or 0 for Trunk Line
OR
Use Volume button to scroll through options
Press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

ALL TRUNK LINES

RELATED ITEMS

NONE

402 TRUNK DIAL TYPE

Used to determine the dialling type of each Trunk line. There are three options :

- 0 Dual Tone Multi-Frequency(DTMF).
- 1 DIAL PULSE(rotary dial)
- 2 R2- Frequency(R2MFC).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 402
Display shows
- Dial trunk number(e.g., 704)
OR
Use Volume button to scroll through trunk numbers
and press Right Soft button to move the cursor
OR
Press ANS/RLS button to select ALL
- Dial 0 for DTMF, 1 for PULSE or 2 for R2MFC TYPE
OR
Use Volume button to scroll through options
Press Right Soft buttons to return to step 2
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

ALL TRUNKS DTMF

RELATED ITEMS

MMC 501 SYSTEM TIMERS
MMC 503 TRUNK-WIDE TIMERS

403 TRUNK TOLL CLASS

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 either the 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.

0	F-STN	Follow station toll restriction
1	CLS-A	Follow toll 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(All restricted)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 403
Display shows
- Dial trunk number(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press Right Soft button to move the cursor
OR
Press ANS/RLS button to select ALL
- Dial ring plan number(1~6)
OR
Use Volume button to scroll through ring plan numbers and press Right Soft button to move the cursor

DISPLAY

```
[701] TOLL CLASS
1:F-STN 2:F-STN
```

```
[704] TOLL CLASS
1:F-STN 2:F-STN
```

```
[ALL] TOLL CLASS
1:F-STN 2:F-STN
```

```
[704] TOLL CLASS
1:F-STN 2:F-STN
```

4. Enter day toll class (e.g., 2 for CLS-B)
OR
Press Volume button to scroll through toll classes and use Right Soft button to move the cursor
5. Press Transfer button and enter to store data and exit
OR
Press Speaker button to advance next MMC

```
[704] TOLL CLASS  
1:CLS-B 2:F-STN
```

DEFAULT DATA

ALL TRUNKS F-STN

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 507 ASSIGN AUTO RING PLAN TIME
MMC 701 ASSIGN COS CONTENTS
TOLL RESTRICTION

404 TRUNK NAME

Allows an 11-character name to be entered to identify an individual trunk.

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' four 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 '**A**' button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

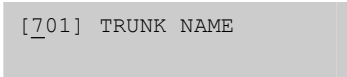
The # button can be used for the following special characters: #, space, &, !, :, ;, ?, , , ,, %, \$, -, <, >, /, =, [,], @, ^, (,), _, +, {, }, |, ;, ", →, ` , and \.

PROGRAM BUTTONS

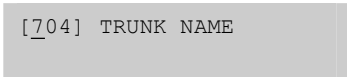
VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

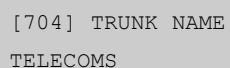
1. Press Transfer button and enter 404
Display shows
2. Dial trunk(e.g., 704)
OR
Press Volume button to select trunk and press
Right Soft button to move the cursor
3. Enter trunk name using the procedure
described above Press Right Soft button to
return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

[701] TRUNK NAME



[704] TRUNK NAME



[704] TRUNK NAME
TELECOMS

DEFAULT DATA

NONE

RELATED ITEMS

MMC 104 STATION NAME
MMC 405 TRUNK NUMBER

405 TRUNK CO TEL NUMBER

Allows an 11-digit number to be entered to identify an individual trunk.

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



When the number you want appears on the same dial pad key as the previous number, press the Volume Up button to move the cursor to the right or the Volume Down button to move the cursor left. A space can be entered by using these keys.

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

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options/move cursor left or right
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

1. Press Transfer button and enter 405
Display shows
2. Dial trunk(e.g., 704)
OR
Press Volume button to select trunk and press
Right Soft button to move the cursor
3. Enter trunk number using the procedure
described above
4. Press Right Soft button to return to step 2
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] CO TEL NO.
```

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

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

DEFAULT DATA

NONE

RELATED ITEMS

MMC 404 TRUNK NAME

406 TRUNK RING ASSIGNMENT

Enables ringing to a specific station or to a group of stations when incoming calls are received. This MMC controls ring plan destinations for ring down trunks. If the ring plan destinations are not input the default ring plan is ring plan 1. Station group 500 is default in Ring Plan 1.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL(trunks only)

ACTION

1. Press Transfer button and enter 406
Display shows
2. Dial trunk number(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press the Right Soft button to move the cursor
OR
Press ANS/RLS button for ALL
3. Dial ring plan number or press the Right Soft button to move the next step.
4. Dial station number or station group number (e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to move cursor to the next ring plan destination and repeat step 5
OR
Press Left Soft button to return to step 5
OR

DISPLAY

```
[701] TRK RING
1:500 2:500
```

```
[704] TRK RING
1:500 2:500
```

```
[All] TRK RING
1:500 2:500
```

```
[704] TRK RING
1:500 2:500
```

```
[704] TRK RING
1:205 2:500
```

```
[704] TRK RING
1:205 2:501
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL TRUNKS RING DEFAULT OPERATOR GROUP

RELATED ITEMS

MMC 202 CHANGE FEATURE PASSCODES
MMC 507 ASSIGN RING PLAN TIME
MMC 601 ASSIGN STATION GROUP

407 FORCED TRUNK RELEASE

Provides a positive forced trunk release to a specific trunk or all trunks in the event of a trunk lock-up.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 407
Display shows
2. Dial in trunk number(e.g., 704)
OR
Press Volume button selected trunk and press Right Soft button
OR
Press ANS/RLS button to select all trunks
3. Dial 1 for YES or Dial 0 for NO
(Pressing 1 or 0 will return to step 2)
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

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

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

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

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

DEFAULT DATA

NONE

RELATED ITEMS

NONE

408 ASSIGN TRUNK MOH SOURCE

Allows the system administrator to select which Music On Hold (MOH) source can be heard on each trunk. For the five types of selections, see below.

TONE	An intermittent tone is played to the caller.
NONE	No Music on Hold selection.
37X	If X is zero(0), a chime tune is played. If X is another number, an external source from a MISC(daughter) board is played.
39XX(when AA is used)	The MOH source is provided by the AA card. See MMC 736.
SVMi PORT NUMBER	If you have a SVMi Voice Mail System installed you may also select a SVMi recording as a music source. The recording must already been defined in MMC 756 and will show up here as the SVMi port associated with the recording.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 408
Display shows current setting
- Dial trunk number(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press Right Soft button to move cursor
OR
Press ANS/RLS button to select ALL
- Enter source number(e.g., 371)
OR
Press Volume button to select option
Press Right Soft button to return to step 2 above

DISPLAY

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

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

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

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

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

TONE

RELATED ITEMS

MMC 736 ASSIGN AA MOH
MMC 756 ASSIGN VM MOH

409 TRUNK STATUS READ

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.

00	Port Number(Cabinet/Slot/Port)
01	Type : LOOP, GND, E & M, DID, BRI, PRI, VOIP
02	1A2 Emulation On/Off
03	Trunk Forward On/Off
04	Line Type : CO/PBX
05	Dial Type : DTFM/Dial Pulse
06~11	Ring Plan Toll Restriction(1-6)
12~17	Ring Plan Ring Destination(1-6)
18	MOH Source
19	DISA Status

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 409
Display shows
2. Enter trunk number via dial keypad(e.g., 704)
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Enter in desired option 00-12(e.g., 02)
OR
Press Volume button to make selection
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] TRK STATUS
PORT:C1-S5-P01
```

```
[704] TRK STATUS
PORT:C1-S5-P04
```

```
[704] TRK STATUS
TYPE:LOOP TRUNK
```

DEFAULT DATA

FOLLOW TRUNK

RELATED ITEMS

MMC 400 CUSTOMER ON/OFF PER TRUNK
MMC 401 Trunk Line/PBX LINE
MMC 402 TRUNK DIAL TYPE
MMC 403 TRUNK TOLL CLASS
MMC 404 TRUNK NAME
MMC 406 TRUNK RINGING ASSIGNMENT
MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE
MMC 410 ASSIGN DISA TRUNK

410 ASSIGN DISA TRUNK

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 # button may be used to terminate the DISA call and disconnect the central office line. DISA lines must be assigned to the Ring Plan(s).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL(trunks)

ACTION

DISPLAY

- Press Transfer button and enter 410
Display shows
- Dial trunk number(e.g., 704)
OR
Press Volume button to select trunk and press Right Soft button
OR
Press ANS/RLS button to select all trunks
OR
- Press VOL key Volume button to select a Ring Plan.
OR
Using the dial pad press 1 to apply and 0 not to apply to a particular Ring Plan and press Right Soft button to return to step 2
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[701] 123456
DISA LINE:000000
```

```
[704] 123456
DISA LINE:000000
```

```
[ALL] 123456
DISA LINE:000000
```

```
[704] 123456
DISA LINE:001000
```

DEFAULT DATA

ALL TRUNKS NORMAL

RELATED ITEMS

MMC 500 SYSTEM-WIDE COUNTERS

MMC 507 ASSIGN RING PLANS

411 ASSIGN E1 SIGNAL TYPE

Defines the type of signalling for each E1 trunk assigned to the card. There are four kinds of trunks as detailed below. There are three types of signalling associated with E & M and DID. E1 channels(1-30) that are not used should have TYPE programmed as UNUSED.

TRUNK	SIGNALLING	COMMENTS
LOOP	BR_14301_NOT	BRAZIL, L, I, ERICSSON, 1/1914, FOR TEST
	BR_14301_OPT	BRAZIL, L, I, ERICSSON, 2/1914, FOR TEST
	RU_LOOP	RUSSIA, L, I/O, LOOP START
E & M	IMMEDIATE	COMMON, E/D, I/O, IMMEDIATE START
	DELAYED	COMMON, E/D, I/O, DELAY
	ITU_WINK	COMMON, E/D, I/O, WINK START
	ITU_WINK_MPD	COMMON, E/D, I/O, WINK START WITH MPD
	BR_CONTINU	BRAZIL, E/D, I/O, CONTINUE
	BR_PULSED	BRAZIL, E/D, I/O, PULSED
	BR_R2_DIGIT	BRAZIL, E/D, I/O, R2 DIGITAL
	BR_BLD_160	BRAZIL, E, I/O, ERICSSON, 2/1914, 14102_N
	BR_BLD_157	BRAZIL, E, I/O, ERICSSON, 2/1914, 14102_O
	BR_14102_NOT	BRAZIL, E, I/O, ERICSSON, 1/1914
	BR_14102_OPT	BRAZIL, E, I/O, ERICSSON, 1/1914
	RU_ADSE	RUSSIA, E/D, I/O, PABX
	RU_HARRIS_UK	RUSSIA, E/D, I/O, HARRIS, PABX, UK_EM
	RU_USER_ROM	RUSSIA, E/D, I/O, USER ROM
	AR_WINK	ARGENTINA, E/D, I/O, WINK
	AR_WINK_MPD	ARGENTINA, E/D, I/O, WINK-MPD
	CHINA_NO1	CHINA, E/D, I/O, NO.1 OF CHINA
POL_WINK_MPD	POLAND, E/D, I/O, POLAND WINK MPD	
DID	IMMEDIATE	COMMON, E/D, I/O, IMMEDIATE START
	DELAYED	COMMON, E/D, I/O, DELAY
	ITU_WINK	COMMON, E/D, I/O, WINK START
	ITU_WINK_MPD	COMMON, E/D, I/O, WINK START WITH MPD
	BR_CONTINU	BRAZIL, E/D, I/O, CONTINUE
	BR_PULSED	BRAZIL, E/D, I/O, PULSED
	BR_R2_DIGIT	BRAZIL, E/D, I/O, R2 DIGITAL
	RU_ADSE	RUSSIA, E/D, I/O, PABX
	RU_HARRIS_UK	RUSSIA, E/D, I/O, HARRIS, PABX, UK_EM
	RU_USER_ROM	RUSSIA, E/D, I/O, USER ROM
AR_WINK	ARGENTINA, E/D, I/O, WINK	
DID	AR_WINK_MPD	ARGENTINA, E/D, I/O, WINK-MPD
	CHINA_NO1	CHINA, E/D, I/O, NO.1 OF CHINA
	POL_WINK_MPD	POLAND, E/D, I/O, POLAND WINK MPD
UNUSE		

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 411
Display shows
2. Enter desired trunk number(e.g., 705)
OR
Press Volume button to make selection
Press Right Soft button to move cursor
OR
Press ANS/RLS button to select all trunks
3. Press Volume button to trunk type select and
press Right Soft button to move cursor
4. Press Volume button to signalling select and
press Right Soft button to
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] E1 SIGNAL
UNUSE
```

```
[705] E1 SIGNAL
UNUSE
```

```
[ALL] E1 SIGNAL
?
```

```
[705] E1 SIGNAL
E&M: IMMEDIATE
```

```
[705] E1 SIGNAL
E&M: ITU_WINK
```

DEFAULT DATA

NONE

RELATED ITEMS

TRUNK PROGRAMMING

412 ASSIGN TRUNK SIGNAL

Allows for the assignment of analog DID or E & M cards for proper signalling. This MMC is only for analog types of DID/E & M trunks. These trunks can also use the translation tables in MMC 714. The signalling condition types are as follows :

- 0 IMMEDIATE START
- 1 DELAYED START
- 2 WINK START

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 412
Display shows
- Enter desired trunk number(e.g., 705)
OR
Press Volume button to make selection and press Right Soft button to move cursor
OR
Press ANS/RLS button to select all trunks
- Enter desired trunk type selection from above list
OR
Press Volume button to make selection and press Right Soft button
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] TRK SIGNAL
IMMEDIATE START
```

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

```
[ALL] TRK SIGNAL
IMMEDIATE START
```

```
[705] TRK SIGNAL
WINK START
```

DEFAULT DATA

IMMEDIATE

RELATED ITEMS

- MMC 416 E & M/DID RINGDOWN
- MMC 714 DID NUMBER AND NAME TRANSLATION

413 VMS CALL TYPE

This program needs when VOICE MAIL/AUTO ATTENDANT(SVM-800) is used. Defines the type of signalling for voice mail assigned trunk.

AP	ANSWERING PHONE
AT	AUDIO TEX
AA	AUTO ATTENDANT
VM	VOICE MAIL

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 413
Display shows
2. Enter desired trunk number(e.g., 702)
OR
Press Volume button to make selection
Press Right Soft button to move cursor
OR
Press ANS/RLS button to select all trunks
3. Enter 1 for YES, or 0 for NO
OR

Press Volume button to make selection and
press Right Soft button
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] CTYPE AP:N
AT:N AA:Y VM:N
```

```
[702] CTYPE AP:N
AT:N AA:Y VM:N
```

```
[702] CTYPE AP:N
AT:N AA:Y VM:N
```

DEFAULT DATA

AP	NO
AT	NO
AA	YES
VM	NO

RELATED ITEMS

NONE

414 PRS SIGNAL

Used on a per-trunk basis to define if a Trunk line is to be either a Metering Pulse (MPD) or a Polarity Reversal Signal (PRS) trunk.

A Meter Pulse Trunk will detect a C.O provided meter pulse. A Polarity Reversal trunk will detect the line reversal signal which may be provided by the Trunk Line When the other party answers the outgoing call or the outside party clears the call. If the trunk is designated as PRS detection, the call duration timer will be started and the results printed on the SMDR record. PRS detection is also essential for dropping a trunk-to- trunk conversation which is unsupervised by an internal party.

There are three types of PRS mode : PRS 1, PRS 2 and PRS 3.

PRS 1	When first PRS is detected, call duration is started. When second PRS is detected, call duration timer stopped. The call is not released until hanging-on.
PRS 2	When first PRS is detected, call duration timer is started. When second PRS is detected, call duration timer is stopped and call is released.
PRS 3	The call duration timer starts based on the timer. When first PRS is detected, call duration timer is stopped and call is released.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 414
Display shows
2. Dial desired trunk number(e.g., 705)
OR
Press Volume button to select trunk and use Right
Soft button to move cursor

DISPLAY

```
[701] TRK PRS
NONE
```

```
[705] TRK PRS
NONE
```

3. Dial 0 for PRS 1, 1 for PRS 2, 2 for PRS 3 or 3 for MPD or 4 for NORMAL

OR

Press Volume button to scroll through options and use LEFT or Right Soft button to return to step 2

4. Press Transfer button and enter to save and exit

OR

Press Speaker button to save and advance to next MMC

```
[705] TRK PRS
PRS 2
```

DEFAULT DATA

NORMAL(NONE)

RELATED ITEMS

MMC503 TRUNK-WIDE TIMER

415 REPORT TRUNK ABANDON DATA

Allows the system administrator or technician to enable or disable the reporting of abandoned Trunk Line calls for which CID, CLIP 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.



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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 415
Display shows
2. Dial trunk number(e.g., 705)
OR
Use Volume button to select trunk and press
Right Soft button to move cursor
3. Dial 1 for YES or 0 for NO
OR
Use Volume button to select option and press
Right Soft button to return to step 2.

DISPLAY

```
[701] TRK ABNDN
REPORT: YES
```

```
[705] TRK ABNDN
REPORT: YES
```

```
[705] TRK ABNDN
REPORT: NO
```

4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

DEFAULT DATA

ALL TRUNKS REPORT : YES

RELATED ITEMS

MMC 725 SMDR OPTIONS
MMC 425 ASSIGN CALLER ID TRUNKS

416 ASSIGN E & M/DID RINGDOWN

This MMC defines which ring destination table an E&M or DID trunk will follow for incoming calls. There are three options for each trunk as defined below.

0	FOLLOW INCOM DGT	When a trunk is set to this option calls will ring at the destination that matches the digits received from the Trunk line.
1	FOLLOW DID TRANS	When a trunk is set to this option calls will ring at the destination defined in MMC 714 that matches the digits received from the TRUNK LINE
2	FOLLOW TRK RING	If this option is selected, press the Right Soft button and 'NO. RCV DIGIT' : will appear on the display. Here is where the number of incoming digits from Trunk Line must be entered(0 through 4). When a trunk is set to this option calls will ring at the destination defined in MMC 406 for that trunk. If the destination defined in MMC 406 is a VMAA port or group then the system will repeat the digits received from the CO to the port when it answers.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 416
Display shows
2. Enter desired trunk number(e.g., 705)
OR
Press Volume button to make selection and
press Right Soft button to move cursor
OR
Press ANS/RLS button to select all trunks

DISPLAY

```
[701] EM/DD RING
FOLLOW INCOM DGT
```

```
[705] EM/DD RING
FOLLOW INCOM DGT
```

```
[ALL] EM/DD RING
FOLLOW INCOM DGT
```


3. Dial option number.(0~2)
OR.
Press Volume button to make selection and press
Right Soft button to return step2.
If the FOLLOW TRK RING is selected, the
LCD display shows step 4.
4. Enter the number of incoming digits.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[705] EM/DD RING  
NO. RCV DIGIT:00
```

```
[705] EM/DD RING  
NO. RCV DIGIT:00
```

DEFAULT DATA

FOLLOW INCOMING DIGIT

RELATED ITEMS

MMC 714 DID NUMBER AND NAME TRANSLATION

417 E1/PRI CRC4 OPTION

This option is used to enable/disable CRC4 generation and checking. It is useful with some networks which do not support CRC4 framing but only PCM30 framing. By default, the CRC option is ON.



After changing this option, MMC 418 must be used to restart the card to make the change effective.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 417
Display shows
2. Enter first trunk number in PRI card(e.g 701)
OR
Press Volume button to select trunk and use
Right Soft button to move cursor
3. Enter 1 for ON 0 for OFF
OR
Press Volume button to select and press
Right Soft button
4. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next
MMC

DISPLAY

```
[701] E1/PRI CRC
ON
```

```
[701] E1/PRI CRC
ON
```

```
[701] E1/PRI CRC
OFF
```

DEFAULT DATA

CRC4 ON

RELATED ITEMS

MMC 418 CARD RESTART

418 BRI AND PRI CARD RESTART

This MMC is used to restart a BRI and a PRI card at the card level. This action is required to update the processor on the BRI and PRI card to any changes in the card setup MMC's and to put these changes into effect.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 418
Display shows first BRI or PRI circuit
2. Dial first trunk on a BRI or PRI card(e.g., 733)
OR
Press Volume button to select the first trunk
and press Right Soft button to move the cursor
3. Dial 1 for YES or Dial 0 for NO
Pressing 1 will advance to step 4
4. Dial 1 for YES or Dial 0 for NO
Pressing 1 or 0 will return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[725] RESTART
CARD RESTART?NO
```

```
[733] RESTART
CARD RESTART?NO
```

```
[733] RESTART
CARD RESTART?YES
```

```
[733] RESTART
ARE YOU SURE?YES
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 419BRI OPTIONS
MMC 420PRI OPTIONS
MMC 423S/T MODE
MMC 424BRI S0 MAPPING

419 BRI OPTIONS

Assigns several options on a per-BRI basis and there are different options depending on whether the BRI is programmed as a trunk or station in MMC 423.



If any changes are made in this MMC, the BRI card that is affected by these changes MUST be restarted using MMC 418 in order for the changes to become effective.

OPTIONS FOR BRI PORTS PROGRAMMED AS TRUNKS

0	CHANNEL ANY	When this option is set to YES, the system will place calls on any free channel of that BRI if the channel chosen by the user is busy. If set to NO, you will receive a busy signal if they attempt to access a busy channel even if the other channel on that BRI is free.
1	BRI MODE	BRI access mode select.
	P-P NOR	Point to Point NORmal. This operates like a standard telephone line with one CO number per channel and ring according to MMC 406.
	P-P DID	Point to Point Direct Inward Dial. This operates in a similar manner to an analog DID circuit with multiple CO numbers pointed to a single channel and translated within the system(MMC714) to a single device.
	P-M NOR	Point to Multi-point NORmal. This type of circuit operates in a similar manner to P-P NORmal but allows multiple devices to be attached to the circuit. Ringing is defined in MMC 406.
	P-M MSN	Point to Multi-point MSN. This setting is used when the line uses the MSN supplementary service. Ringing is defined in MMC 421.
2	DLSEND	BRI dial sending mode select.
	ENBLOCK	Digits will be collected and sent in a single block similar to a Cell phone.
	OVERLAP	Digits will be sent as they are dialled by the user.
3	CLIP TABLE	Used to select the Calling Party Number to send to the network. In case of NONE, MMC405 CO TRUNK NUMBER is sent to the network. In other cases, MMC 323 Calling Party Number entry corresponding with the selected number is sent to the network.
4	NB TYPE	Used to select the type of the Calling Party Number to send to the network.
	UNKNOWN	Unknown number
	INT.NAT	International number
	NATIONAL	National number
	NETWORK	Network specific number
	SUBSCRIB	Subscriber number
	EXTEN	Local number
	ABBREV	Abbreviated number

5	NB PLAN	Used to select the type of the Calling Party Number Plan to send to the network.
	UNKNOWN	Unknown numbering plan
	ISDN	ISDN numbering plan(CCITT E.163-164)
	DATA	Data numbering plan(CCITT X.121)
	TELEX	Telex numbering plan(CCITT F.69)
	NATIONAL	National standard numbering plan
	PRIVATE	Private numbering plan
	EXTEN	Local numbering plan

OPTIONS FOR BRI PORTS PROGRAMMED AS STATIONS

0	ANY CHANNEL	When this option is set to YES, the system will place calls on any free channel of that BRI if the channel chosen by the user is busy(e.g., Preferred channel selection). If set to NO, the user will receive a busy signal if they attempt to access a busy channel even if the other channel on that BRI is free(e.g., Exclusive channel selection).
1	POWER FEED	This field determines if power to a BRI access will be supplied.(YES or NO)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 419
Display shows first BRI channel
- Dial BRI trunk number(e.g., 727)
OR
Press Volume button to select BRI trunk and
Press Right Soft button.

DISPLAY

```
[_25] BRI-TRK
CHANNEL ANY : YES
```

```
[_27] BRI-TRK
CHANNEL ANY : YES
```

3. Select option item.
OR
Press Volume button to select option item and
Press Right Soft button.

```
[727] BRI-TRK
CHANNEL ANY:NO
```

```
[727] BRI-TRK
BRI MODE:P-M MSN
```

```
[727] BRI-TRK
DLSEND :OVERLAP
```

```
[727] BRI-TRK
CLIP TABLE :NONE
```

```
[727] BRI-TRK
NB TYPE:UNKNOWN
```

4. Select option.
OR
Press Volume button to select BRI station and
Press Right Soft button.

```
[727] BRI-TRK
CLIP TABLE:1
```

5. Dial BRI station number(e.g., 729)
OR
Press Volume button to select BRI station and
Press Right Soft button.

```
[729] BRI-STN
CHANNEL ANY:YES
```

6. Select option item.
OR
Press Volume button to select BRI station and
Press Right Soft button.

```
[729] BRI-STN
CHANNEL ANY:YES
```

```
[729] BRI-STN
POWER FEED :NO
```

7. Select option.
OR
Press Volume button to select option item and
Press Right Soft button.

```
[729] BRI-STN
POWER FEED :YES
```

8. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

For BRI Ports programmed as Trunks :

CHANNEL ANY= YES
BRI MODE= P-P DDI
DLSEND= OVERLAP
CLIP TABLE= NONE
NB TYPE= NATIONAL
NB PLAN= ISDN

For BRI Ports programmed as Stations :

CHANNEL ANY=YES
POWER FEED= NO

RELATED ITEMS

MMC 323 CALLING PARTY NUMBER
MMC 405 CO TRUNK NUMBER
MMC 418 CARD RESTART
MMC 421 MSN DIGITS
MMC 423 S/T MODE
MMC 714 DID NAME AND NUMBER TRANSLATION

420 PRI OPTIONS

This MMC allows the technician to program a PRI trunk board.

0	CHANNEL ANY	When this option is set to YES, the system will place calls on any free channel of that PRI if the channel chosen by the user is busy. If set to NO, you will receive a busy signal if they attempt to access a busy channel even if the other channel on that PRI is free.
1	PRI MODE	PRI access mode select.
	NORMAL	Point to Point NORmal. This operates like a standard telephone line with one CO number per channel and ring according to MMC 406.
	DID	Point to Point Direct Inward Dial. This operates in a similar manner to an analog DID circuit with multiple CO numbers pointed to a single channel and translated within the system(MMC714) to a single device.
2	DLSEND	PRI dial sending mode select.
	ENBLOCK	Digits will be collected and sent in a single block similar to a Cell phone.
	OVERLAP	Digits will be sent as they are dialed by the user.
3	CLIP TABLE	Used to select the Calling Party Number to send to the network. In case of NONE, MMC405 CO TRUNK NUMBER is sent to the network. In other cases, MMC 323 Calling Party Number entry corresponding with the selected number is sent to the network.
4	NB TYPE	Used to select the type of the Calling Party Number to send to the network.
	UNKNOWN	Unknown number
	INT.NAT	International number
	NATIONAL	National number
	NETWORK	Network specific number
	SUBSCRIB	Subscriber number
	EXTEN	Local number
	ABBREV	Abbreviated number
5	NB PLAN	Used to select the type of the Calling Party Number Plan to send to the network.
	UNKNOWN	Unknown numbering plan
	ISDN	ISDN numbering plan(CCITT E.163-164)
	DATA	Data numbering plan(CCITT X.121)
	TELEX	Telex numbering plan(CCITT F.69)
	NATIONAL	National standard numbering plan
	PRIVATE	Private numbering plan
	EXTEN	Local numbering plan

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 420
Display shows
2. Dial first PRI trunk number in PRI card(e.g., 730)
OR
Press Volume button to make selection and press Right Soft button.
3. Enter option number to make selection.
OR
Press Volume button to make selection.
4. Press Volume button to make selection.
Then press Right Soft button.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] PRI OPTION
CHANNEL ANY: YES
```

```
[730] PRI OPTION
CHANNEL ANY: YES
```

```
[730] PRI OPTION
PRI MODE: DDI
```

```
[730] PRI OPTION
PRI MODE: NORMAL
```

DEFAULT DATA

CHANNEL ANY	YES
PRI MODE	DDI
DLSEND	OVERLAP
CLIP TABLE	NONE
NB TYPE	NATIONAL
NB PLAN	ISDN

RELATED ITEMS

MMC 323 CALLING PARTY NUMBER
 MMC 405 CO TRUNK NUMBER
 MMC 418 CARD RESTART
 MMC 714 DID NAME AND NUMBER TRANSLATION

421 MSN DIGIT

Provides a method of assigning an incoming MSN call to a specific station. If any entry in MSN DIGIT TABLE matches an incoming call's called party number, either the specific station is alerted, if it is programmed to accept the call, or the call is cleared if it is programmed to reject the call.

If the incoming called party number does not have a matching entry in the MSN table, MMC 406 ringing destination is alerted or the call is released by option.

You can give each MSN number to a specific station and you can select call waiting option: when a destination is busy, the incoming call must be cleared or camped-on to the station(which is alerted to the call).

There is a total of eight entries on a trunk basis and each entry consists of the following fields :

DIGIT	Digits to be received. There is a maximum of 16 digits
RING 1-6	These numbers correspond to the six ring plan destinations for this MSN. The destinations can be either stations or station groups.
CALL WAIT	Toggles YES or NO : if YES then the call will be camped-on at busy destination while NO gives busy indication.
OPTION	if Accept then the selected destination party will be alerted. If Reject then the call will be cleared.



For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION**DISPLAY**

- | | |
|--|---------------------------------------|
| 1. Press Transfer button and enter 421
Display shows | [701] MSN DGT (1)
DGT: |
| 2. Enter trunk number(e.g., 704)
OR
Press Volume button to scroll through ISDN
PORT and press Right Soft button to move
cursor | [704] MSN DGT (1)
DGT: |
| 3. Enter the location 1-8(e.g., 4)
OR
Press Volume button to select location and press
Right Soft button to move cursor | [704] MSN DGT (4)
DGT: |
| 4. Enter digits to be translated(e. g., 4603881) via
dial keypad and press Right Soft button to move
to the destination selection(Max. Digit is 12) | [704] MSN DGT (4)
DGT:4603881 |
| 5. Enter destinations for 6 ring plan via dial keypad
(e.g., 204 for ring plan 1)
OR
Press Volume button to make selection and
press Right Soft button | [704] MSN DGT (4)
1:204 2:NONE |
| 6. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and
press Right Soft button | [704] MSN DGT (4)
CW:NO OPT:ACCEPT |
| 7. Enter 1 for ACCEPT or 0 for REJECT
OR
Press Volume button to make selection and
press Right Soft button | [704] MSN DGT (4)
CW:NO OPT:ACCEPT |
| 8. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC | |

DEFAULT DATA

NONE

RELATED ITEMS

MMC 210 CUSTOMER ON/OFF PER TENANT
 MMC 423 S/T MODE
 MMC 419 BRI OPTIONS

422 TRUNK COS

Used to assign a class of service to each trunk during one of the 6 different ring plans available. There are 30 different classes of service that are defined in MMC 701 Assign COS Contents. Classes of service are numbered 01-30. Trunk COS applies on Tandem connections.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

DISPLAY

1. Press Transfer button and enter 422
Display shows first trunk

```
[701] TRK COS
1:01 2:01 3:01
```

2. Dial trunk number(e.g., 705)
OR
Use Volume button to scroll through trunks
Press Right Soft button to advance step 3
OR
Use Volume button to scroll through trunks and
press Left Soft button to advance step 4
OR
Press ANS/RLS button to select all trunks

```
[705] TRK COS
1:01 2:01 3:01
```

```
[ALL] TRK COS
1:01 2:01 3:01
```

3. Enter day class of service(e.g., 05)
OR
Use Volume button to scroll through classes of
service and press Right Soft button to advance
step 4
OR
Use Volume button to scroll through classes of
service and press Left Soft button to return to
step 2

```
[705] TRK COS
1:05 2:01 3:01
```

4. Enter the next ring plan class of service
(e.g., 05)
OR
Use Volume button to scroll through classes of service and press Right Soft button to return to step 2
OR
Use Volume button to scroll through classes of service and press Left Soft button to return to the previous step.
5. Press Transfer button and enter to save and exit
OR
Press Speaker button to save and advance to next MMC

```
[705] TRK COS  
1:05 2:05 03:01
```

DEFAULT DATA

ALL RING PLANS COS 01

RELATED ITEMS

MMC 701 ASSIGN COS CONTENTS
MMC 507 ASSIGN RING PLANS

423 S/T MODE

Allows the technician to select whether a BRI circuit is a station port or a trunk port.

TRUNK	The BRI trunk port use ISDN trunk.
STATION	The BRI trunk port use for ISDN phone.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 423
Display shows first BRI
2. Dial trunk number (e.g., 727)
OR
Use Volume button to scroll through BRI numbers and press Right Soft button to move cursor
OR
Press ANS/RLS button to select ALL
3. Enter Circuit type
OR
Press Volume button to select option
Press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[725] S/T MODE
TRUNK
```

```
[727] S/T MODE
TRUNK
```

```
[ALL] S/T MODE
TRUNK
```

```
[727] S/T MODE
STATION
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 418 BRI AND PRI CARD RESTART
 MMC 419 BRI OPTION
 MMC 421 MSN DIGIT
 MMC 424 S0 MAPPING

424 BRI S0 MAPPING

This MMC assigns an ISDN terminal number to a BRI station port.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 424
Display shows first terminal number
2. Dial terminal number
OR
Press Volume button to make selection of terminal numbers and press Right Soft button to advance cursor
3. Dial BRI port number
OR
Use Volume button to scroll through ports
Press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[8701] S0 MAPPING
NONE
```

```
[8704] S0 MAPPING
NONE
```

```
[8704] S0 MAPPING
712
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 419 BRI OPTION
MMC 423 S/T MODE

425 ASSIGN CALLER ID TRUNKS

Allows the system administrator or technician to activate analog loop trunk 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 calling party 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.



Supports Bellcore type data only for Caller ID, others type will not supports. Available in Australia, Israel and Italy only.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

- Press Transfer button and enter 425
Display shows
- Dial trunk number(e.g., 705)
OR
Press Volume button to select trunk and press Right Soft button to move cursor
OR
Press ANS/RLS button to select ALL
- Dial 0, 1 or 2 to change options
OR
Press Volume button to select an option and press Right Soft button to return to step 2.

DISPLAY

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

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

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

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

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


4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next
MMC

DEFAULT DATA

ALL TRUNKS ARE NORMAL

RELATED ITEMS

MMC 501 SYSTEM TIMERS
MMC 728 CID TRANSLATION TABLE

426 TRUNK GAIN CONTROL

Allows loss levels to be adjusted on a per trunk basis. There are two adjustments available in this MMC. 'TX' is the transmit level adjustment of the trunk to the station. 'RX' is the receive level adjustment of the station to the trunk. See the Trunk Gain Setting Tables for level option definitions.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 426
Display shows
2. Enter desired trunk number(e.g., 705)
via the dial pad
OR
Press Volume button to make selection
Press Right Soft button to move cursor
3. Press Volume button to make selection
Press Right Soft button to move cursor
4. Press Volume button to make selection
Press Right Soft button to move cursor and
return to Step 1
5. Press ANS/RLS button to select ALL
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] TRK GAIN
RX:+0.0 TX:+0.0
```

```
[705] TRK GAIN
RX:+0.0 TX:+0.0
```

```
[705] TRK GAIN
RX:+0.0 TX:+0.0
```

```
[701] TRK GAIN
RX:+0.0 TX:-2.5
```

```
[ALL] TRK GAIN
RX:+0.0 TX:+0.0
```

DEFAULT DATA

TX : +0.0
RX : +0.0

RELATED ITEMS

NONE

428 ASSIGN TRUNK/TRUNK USE

This MMC is used to allow or restrict trunks from making outgoing calls to each other within the same system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 428
Display shows
2. Dial the trunk use group number(e.g., 305)
OR
Press Volume button to selection and press Right Soft button
OR
Press ANS/RLS button to select all trunk use groups
3. Dial the trunk use group number(e.g., 304)
OR
Press Volume button to selection and press Right Soft button
4. Dial 1 for YES or 0 for NO
OR
Press Volume button to select YES/NO and press Right Soft button to move cursor
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
(301) USE (301)
DIAL: YES
```

```
(305) USE (301)
DIAL: YES
```

```
(ALL) USE (301)
DIAL: YES
```

```
(305) USE (304)
DIAL: YES
```

```
(305) USE (304)
DIAL: NO
```

DEFAULT DATA

DIAL=YES

RELATED ITEMS

MMC 304 ASSIGN EXTENSION/TRUNK USE

MMC 316 COPY STATION/TRUNK USE

MMC 317 ASSIGN STATION/STATION USE

MMC 614 STATION/TRUNK USE GROUP

433 COST RATE

In this MMC, the TRUNK COST RATE flags are entered for each trunk. DIAL PLANS are defined in MMC 746 Costing Dial Plan. RATE CALCULATION TABLES are defined in MMC 747. Each trunk may be defined with up to eight cost rates. Enter one or more of the eight COST RATES per trunk. If an entry is left blank, no call costing will be calculated for that particular DIAL PLAN.

Call type 8 is fixed for incoming. Apply a cost rate under type 8 only to a trunk if you want incoming call costing.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select all

ACTION

1. Press Transfer button and enter 433
Display shows trunk number and Cost Rate table numbers
2. Dial trunk number(e.g., 705)
OR
Press Volume button to select trunk and press RIGHT
Soft button to move cursor
OR
Press ANS/RLS button for all
3. Press Volume button to move cursor along the line until the cursor is under the Cost Rate mark(e.g., 2)
Enter 1 for YES or 0 for NO and press Right
Soft button to return to step 1
OR
4. Press Transfer button and enter to exit

DISPLAY

```
[701] :12345678
CR   :00000000
```

```
[705] :12345678
CR   :00000000
```

```
[701] :12345678
CR   :01000000
```

DEFAULT DATA

ALL TRUNKS/ALL DIAL PLANS NO COST RATE ASSIGNED

RELATED ITEMS

MMC 746 COSTING DIAL PLAN
MMC 747 RATE CALCULATION TABLE

434 CONNECTION STATUS

This read only MMC will confirm the connection status of stations or trunks. Display status actually displays the status of a station or trunk at the time requested. If a conference is in progress with the selected trunk or station the display will show one of the conference parties and an arrow(→). The technician or system administrator can then display the next parties in the conference. If a station or trunk is in an idle state the display will show 'IDLE'. If the station or trunk selected is not a valid selection the display will show 'INVALID DATA'. If the station or trunk is made busy by the CPU the display will show 'MADE BUSY'. If the station is in busy state with no other connection, the display will show 'BUSY' only.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
TRANSFER	Exit

ACTION

DISPLAY

Display trunk connection status

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter station or trunk number.
Display show connection status

```
DISPLAY STATUS
702 227
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
702 227
```

Display station connection status

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter station or trunk number.
Display show connection status

```
DISPLAY STATUS
235 715
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
235 715
```

Display trunk status in conference.

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter station or trunk number.
Display shows connection status

```
DISPLAY STATUS
702 227 ,215 →
```

3. Press Right Soft button to display the next station or trunks involved.

```
DISPLAY STATUS
702 216 →
```

4. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
216 702 ,227 →
```

Display status no connection.

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter station or trunk number.
Display show connection status

```
DISPLAY STATUS
702 NONE
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
702 NONE
```

Display status no connection.

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter invalid station or trunk number.
Display show INVALID DATA

```
DISPLAY STATUS
INVALID DATA
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
201 IDLE
```

Display connection status with invalid trunk or station number.

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter invalid station or trunk number.
Display show INVALID DATA

```
DISPLAY STATUS
INVALID DATA
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
201 IDLE
```

Display connection status with trunk or station number in maintenance busy.

1. Press Transfer button and enter 434

```
DISPLAY STATUS
201 IDLE
```

2. Enter station or trunk number.
Display show connection status

```
DISPLAY STATUS
725 MADE BUSY
```

3. Enter another station or trunk OR
Press transfer to exit.

```
DISPLAY STATUS
725 MADE BUSY
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 108 STATION STATUS
MMC 409 TRUNK STATUS

436 TRUNK TMC GAIN

Allows loss levels for analog trunks to be adjusted on a per trunk basis. There are two adjustments available in this MMC. 'TX' is the transmit level adjustment of the trunk to the station. 'RX' is the receive level adjustment of the station to the trunk.

This MMC works with 8TRK card only.



This MMC is not to correct low volume. To be used with the support of Samsung Electronics Co. local distributor.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 417
Display shows
2. Enter desired trunk number(e.g., 705) via the dial pad
OR
Press Volume button to make selection
Press Right Soft button to move cursor
OR
Press ANS/RLS button to select ALL
3. Press Volume button to make selection
Press Right Soft button to move cursor
4. Press Volume button to make selection
Press Right Soft button to move cursor and return to Step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] TRK GAIN
RX:+0.0 TX:+0.0
```

```
[705] TRK GAIN
RX:0.0 TX:+0.0
```

```
[ALL] TRK GAIN
RX:0.0 TX:+0.0
```

```
[705] TRK GAIN
RX:0.0 TX:+0.0
```

```
[701] TRK GAIN
RX:+0.0 TX:-2.5
```

DEFAULT DATA

TX : +0.0

RX : +0.0

RELATED ITEMS

NONE

500 SYSTEM-WIDE COUNTERS

Used to set the values of the system counters. The counters are listed below with a brief description of each.

	COUNTER	DEFAULT	DESCRIPTION
0	ALARM REM. CNTER	5	The number of times that an alarm reminder will ring a station before cancelling. RANGE=1-99.
1	AUTO RDL COUNTER	3	The number of times the system will redial an outside number after the auto redial feature has been activated. RANGE=1-99.
2	DISA CALL CNTER	99	Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE=1-99.
3	DISA LOCK CNTER	3	Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE=1-99.
4	NEW CALL COUNTER	99	Number of times the system will allow a user to signal New Call on a Trunk line during one call. RANGE=1-99.
5	UCDS VISUAL ALARM	0	Used to set the Visual alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE=0-25.
6	UCDS AUDIO ALARM	0	Used to set the Audio alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE=0-25.
7	UCD CS LEVEL 1	0	Provides call wait indication level 1 if number of calls waiting to be answered in UCD group reaches this value. RANGE=0-25.
8	UCD CS LEVEL 2	0	Provides call wait indication level 2 if number of calls waiting to be answered in UCD group reaches this value. RANGE=0-25.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 500
Display shows
2. Enter number from above list(e.g., 6)
OR
Press Volume button to make selection and
press Right Soft button to move cursor
3. Enter in new value via dial keypad
If entry is valid, system will return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
ALARM REM.CNTER
05→
```

```
UCDS AUDIO ALARM
00→
```

```
UCDS AUDIO ALARM
00→02
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

NONE

501 SYSTEM TIMERS

Allows the technician to adjust individual timers as necessary.

TIMER TABLE

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
AA INT DGT TIME	5	1-25 SEC	When the AA card is installed, this timer determines the inter digit time for AA call processing. If this timer expires before valid digits are received by the AA card, the call will be routed to the AA invalid digits destination.
AA NO ACT TIME	10	1-25 SEC	When the AA card is installed, this timer determines the time that the AA card will wait for a first digit for AA call processing. If this timer expires before a digit is received, the call will be routed to the AA no action destination.
AA TRANS TIME	2	0-25 SEC	After this timer, the system will compare received digits from AA card with the AA translation table entry and transfer to the proper destination.
ALARM TIME	100	0-2500 MIN	This is the time the system alarm key will start ringing after the alarm key has been silenced.
ALERT TONE TIME	1000	100-2500 MSEC	This timer sets the duration of the attention tone preceding a call to a phone in the Voice Announce or Auto Answer mode. This tone will also precede a forced Auto Answer call.
ALM REM.INTERVAL	25	1-250 SEC	This timer controls the time length between ring attempts at a station when alarm reminder is set.
ALM REM RING OFF	10	1-25 SEC	This timer controls the length of the ring cycle duration when alarm reminder is set at a station.
ATT. RECALL TIME	30	0-250 SEC	This is the length of time a transfer recall will ring at a station before recalling the operator.
AUTO REDIAL INT.	30	1-250 SEC	This timer controls the time between attempts after RETRY dialling is set on a station.
AUTO REDIAL RLS.	45	1-250 SEC	This timer controls the duration of a Ring No Answer condition on a retry number dialled before the auto redial is automatically cancelled.

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
BOOTH TIME OUT	5	0-250 MIN	This timer controls the temporary booth phone in hotel/motel. If the Administrator changed normal phone to booth phone, this timer will be start, when this timer expired the call disconnect and the phone change to normal phone automatically.
CALLBACK NO ANS	30	1-250 SEC	This timer controls the time before the callback is automatically cancelled when a callback detects Ring No Answer.
CAMP ON RECALL	30	0-250 SEC	This timer controls the duration of time a camped-on call will stay at a destination before recalling to the transferring station.
CID MSG RECEIVE	6	1-25 SEC	The amount of time that the system will allow a valid message from the analog CID trunk.
CLI DISPLAY TIME	5	1-25 SEC	The amount of time that the Caller ID information remains on the phone's display.
CO CLEAR TIME	30	0-250 SEC	When station hangs up a trunk call, the system keep the call during this time.
CO CONFIRM TIME	3	0-250 MIN	According to MMC 314 CO CONFIM type, the outgoing call will be disconnected after this timer or the outgoing caller will hear the confirm tone every this time.
CO-CO DISCONNECT	20	1-250 MIN	This timer monitors the duration of an unsupervised conference; when it expires, both trunks are disconnected.
CONFIRM TONE TM	1000	100-2500 MSEC	The tone heard when a feature is activated or deactivated.
CRD TONE INT TM	30	0-250 SEC	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 card.
DIAL PASS TIME	3	0-25 SEC	This timer monitors the duration of time before connecting the transmit of the phone to the trunk side of an outgoing call.
DISA DISCONNECT	30	1-250 MIN	This timer controls the maximum duration of a DISA call.
DISA LOCK OUT TM	30	1-250 MIN	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).

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
DISA NOANS DISC.	30	0-250 SEC	This timer controls the duration of time a DISA call is disconnected by force when called party does not answer.
DISA PASS CHECK	30	1-250 MIN	This timer defines the time period before the system clears the incorrect passcode counter.
DISPLAY DELAY TM	3	1-250 SEC	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 RELES.	500	100-2500 MSEC	This timer controls the duration of time the door lock relay will be activated.
DOOR RING DETECT	50	10-250 MSEC	This timer controls the duration of time before a call is answered by the door phone.
DOOR RING OFF TM	30	1-250 SEC	This timer controls the duration of ringing at the door ring destination before automatically cancelling.
E-HOLD RECALL TM	45	0-250 SEC	This timer controls the duration of time a call is held exclusively at a station before recalling.
FIRST DIGIT TIME	10	1-250 SEC	This timer controls how long the system will wait for dialling to begin before dropping the dial tone and returning the you to error tone.
HOK FLASH MAX TM	150	20-2500 MSEC	This timer monitors the duration of a hook switch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce LONGEST duration.
HOK FLASH MIN TM	70	20-2500 MSEC	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	100	20-2500 MSEC	This timer controls the time before dial tone is sent to a single line station.
HOOK ON TIME	1000	20-2500 MSEC	This timer sets the minimum amount of time that the system will recognize as an SLT hang up.
INQUIRY RELEASE	30	1-250 SEC	This timer monitors the duration of the interaction of the Soft button to determine when to return the LCD back to a normal status. This timer affects only display phones.
INTER DIGIT TIME	10	1-250 SEC	This timer controls the grace period between dialling valid digits before dropping the call and returning you back to error tone.
ISDN INT DGT TM	7	1-15 SEC	This timer controls the grace period between dialling valid digits and the end of the dialling string on an ISDN call.

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
KMMC LOCK OUT TM	30	10-250 SEC	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	5	1-250 SEC	This timer controls the duration of time before selecting the next allowable route when a station is allowed to route advance.
LCR INTER DIGIT	5	1-250 SEC	This timer controls the grace period between dialling valid digits before accessing a trunk.
LONG KEY DETECT	600	0-2500 MSEC	This timer controls the time a key must be held down before the key press is repeated.
LONG KEY REPEAT	300	0-2500 MSEC	This timer controls the time between repeated digits on a long key press.
MCL DELAY TIME	4	1-8 SEC	When outgoing call routes the MCL line, dialling will be paused during this timer. Available in U.K. only.
MS LED ON TIME	10	1-10 SEC	This timer controls the duration a Manual Signalling key will remain on after use.
OFF HOOK RING INT	15	1-250 SEC	This timer controls the duration of time between ring bursts to a user who has a camped-on call.
OHVA ANSWER TIME	10	1-250 SEC	This timer controls the time duration of an OHVA call before automatic rejection.
PAGE TIME OUT	20	1-250 SEC	This timer controls the duration of a page announcement.
PAGE TONE TIME	500	100-2500 MSEC	This timer controls the duration of tone burst heard over the page prior to the page announcement.
PARK RECALL TIME	45	0-250 SEC	This timer controls the duration of time a call is parked before recalling to the call park originator.
PC-MMC LOCK TIME	5	1-60 MIN	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.
PERI UCD REPORT	5	3-99 SEC	This timer is the interval that a periodic UCD report is provided to an SIO port.
POWER DOWN TIME	2000	500-9900 MSEC	This timer monitors the power to the ROM pack to begin shutdown status.

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
RECALL DISCONNECT	2	1-250 MIN	This is the time an attendant recall will ring before being disconnected.
RECALL WAIT TIME	15	0-250 SEC	This is the time any recall(hold or transfer) continues to recall at your station before it recalls to the operator.
ROUTE OPTIMISE	5	0-250 SEC	When the call is made via Q-SIG signalling, the route optimization is activated after this time.
SMDR START/DP	30	1-250 SEC	This grace period timer starts SMDR recording for rotary
SMDR START/DTMF	15	1-250 SEC	This grace period timer starts SMDR recording for touchtone dialling. This timer also controls the LCD duration timer on the phones. The duration time displayed and the SMDR time duration will be the same.
SYS HOLD RECALL	45	0-250 SEC	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	20	0-250 SEC	This timer determines the time transferred calls ring before recalling. This is a system-wide timer.
TSW CONN. DELAY	0	0-10 SEC	When incoming trunk makes outgoing call to another trunk, the system connects voice path after this time.
UCDS AUDIO ALARM	0	0-990 SEC	When an AA card is installed and the digital UCD package enabled, this counter determines the maximum number of seconds a call has been waiting at the UCD group before the UCD group's SUPV key begins to flash along with an audio alarm. For more UCD alarm conditions, see MMC 500.
UCDS VISUAL ALAM	0	0-990 SEC	When an AA card is installed and the digital UCD package enabled, this counter determines the maximum number of seconds a call at the UCD group before the UCD group's SUPV key begins to flash as an alarm. For more UCD alarm conditions, see MMC 500.

TIMER NAME	DEFAULT	RANGE UNIT	DESCRIPTION
VMS UCD MSG TIME	5	1-99 SEC	When this timer expired, the call return to idle member. Requires SVM-800.
VOICE DIAL DELAY	8	5-15 SEC	This timer monitors the duration of interaction between main software and Voice Dialler. If there is no response from Voice Dial card within this time, the system decide the voice dialling is fail.



Certain timers are disabled when the value is '0'.

NOTE

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 501
Display shows first timer value
2. Press Volume button to select timer and press
Right Soft button to move cursor
3. Enter new value using keypad; if valid, system
returns to step 2 with new value
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AA INT DGT TIME
```

```
05 SEC→
```

```
KMMC LOCK OUT TM
```

```
060 SEC→
```

```
KMMC LOCK OUT TM
```

```
060 SEC→250
```

DEFAULT DATA

SEE DESCRIPTION
SOME TIMERS ARE DEPEND ON COUNTRY

RELATED ITEMS

NONE

502 STATION-WIDE TIMERS

Allows certain station timer values to be changed on a per-station basis or for all stations.

0	NO ANS FWD	This timer controls how long the station will ring before Forward on No Answer takes place.(1250 sec)
1	DTMF DUR.	This timer governs the duration of DTMF digits which are transmitted to an external VMS system port. This can be used when a VMS system fails to recognize the default DTMF digit duration being transmitted from the SLT port.(1009900 ms)
2	FDGT DELY	This timer will be valuable for the system administrator to insert a suitable delay before generating DTMF digits for In Band integration.(1009900 ms)
3	OFFHK SEL.	This timer controls the grace period before placing an internal/external call as programmed in MMC 306.(0250 sec)
4	EFWD DELAY	This timer controls the External Call Forward feature which will allow a station to ring before the call is placed on external call forwarding. (1250 sec)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 502
Display shows
2. Dial station number(e.g., 205)
OR
Press Volume button to select station and press Right Soft button
OR
Press ANS/RLS button to select all stations and press Right Soft button
3. Enter new value(must be three digits) via dial keypad(e.g., 020)
System will return to step 2

DISPLAY

```
[201] NO ANS FWD
015 SEC→
```

```
[205] NO ANS FWD
015 SEC→_
```

```
[ALL] NO ANS FWD
015 SEC→_
```

```
[205] NO ANS FWD
015 SEC→020
```

4. Dial timer number from above list(e.g., 1)
OR
Press Volume button to select and press
Right Soft button to move cursor
5. Enter new timer value(must be four digits,
e.g., 0200)
System returns back to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[205] DTMF DUR.  
0100 MS →
```

```
[205] DTMF DUR.  
0100 MS →0200
```

DEFAULT DATA

NO ANS FWD	015 SEC
DTMF DUR	100 MSEC
F-DGT DELY	600 MSEC
OFFHK SEL	015 SEC
EFWD DELAY	010 SEC

RELATED ITEMS

MMC 102 CALL FORWARD
MMC 207 ASSIGN VM/AA PORT
MMC 306 HOT LINE/OFF HOOK SELECTION
MMC 726 VM/AA OPTIONS

503 TRUNK-WIDE TIMER

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.

ANS.BAK TM	ANSwer BAcK TiMe. This timer is used for certain types of E&M signaling and does not affect normal CO lines.
CLEARING	This timer ensures that a call is fully disconnected at the CO by preventing CO access outgoing or receiving incoming ring between a disconnect and the expiration of this timer.
CO SUPV TM	CO SUPerVision TiMe this is the minimum length of loop open disconnect received from the CO that will be seen as a valid hang up on the system.
DTMF DUR.	DTMF DURation This is the length of the DTMF digits that will be sent to the CO on this line.
F-DGT DELY	First DiGiT DELaY This is the length of time the system will wait for CO line conditions to stabilize after seizure before sending DTMF digits.
FLASH TIME	This is the duration of the momentary open sent on a circuit when FLASH key is pressed.
NO RING TM	This is the length of time the system will wait after detecting a ring burst on a line before deciding the call has disconnected.
PAUSE TIME	This is the length of time the system will wait before sending the next digit for a pause in a speed dial bin.
PRS DET TM	This means the duration of PRS signal pulse. If the PRS signal is reversed when opposite party is answered and maintain the status before the opposite party disconnect the call, the PRS DET TM must be set to 0.
RNG DET TM	RING DETect TiMe This is the minimum length of ring signal the system will regard as a valid ring.
WINK TIME	This is the duration of the acknowledgment signal that the system will send on an E&M circuit
MF/DP INT	This is the interval between sending digit. In case of DTMF signal, over the 500ms will be serviced as 100 ms.
MFR DLY TM	This is a delay time to allocate the MFR after incoming trunk is detected. This is to prevent the wrong detection of DTMF signal by noise.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION**DISPLAY**

1. Press Transfer button and enter 503
Display shows
2. Dial trunk number(e.g., 704)
OR
Press Volume button to select trunk and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select all trunks
3. Dial timer number from the list
OR
Press Volume button to select timer and press
Right Soft button to move cursor
4. Enter new timer value
(must be four digits, e.g., 0200)
System returns to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[ 701] ANS.BAK TM
0600 MS→
```

```
[ 704] ANS.BAK TM
0600 MS→
```

```
[ALL] ANS.BAK TM
0600 MS→
```

```
[ 704] DTMF DUR.
0100 MS→
```

```
[ 704] DTMF DUR.
0100 MS→0200
```

DEFAULT DATA

TIMER NAME	VALUE	RANGE
ANS.BAK TM	0600 MSEC	0-2500 MSEC
CLEARING	1000 MSEC	100-9900 MSEC
CO SUPV TM	2500 MSEC	10-2500 MSEC
DTMF DUR.	0100 MSEC	100-9900 MSEC
F-DGT DELY	0600 MSEC	100-9900 MSEC
FLASH TIME	0600 MSEC	20-2500 MSEC
NO RING TM	04 SEC	1-25 SEC
PAUSE TIME	03 SEC	1-25 SEC
PRS DET TM	0000 MSEC	0-2500 MSEC
RNG DET TM	0050 MSEC	10-2500 MSEC
WINK TIME	200 MSEC	100-300 MSEC
MF/DP INT	0800 MSEC	100-9900 MSEC
MFR DLY TIME	00 SEC	0-25 SEC

RELATED ITEMS

NONE

504 PULSE MAKE/BREAK RATIO

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.

- 0 Make/Break Ratio(01-99)
- 1 Pulse Per Second(10 or 20)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 504
Display shows
2. Dial 0 or 1 for option
OR
Press Volume button for selection and press Right Soft button to move cursor
3. Dial new value
System returns to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
MAKE/BREAK RATIO
33 MAKE→
```

```
PULSE PER SECOND
10 PPS→_
```

```
PULSE PER SECOND
10 PPS→20
```

DEFAULT DATA

MAKE/BREAK=33 MAKE
PULSES PER SECOND=10 PPS

RELATED ITEMS

MMC 402 TRUNK DIAL TYPE

505 ASSIGN DATE AND TIME

Allows the system date and time to be set. This will set the system-wide clock.

YY	Year	00-99
MM	Month	01-12
DD	Date	01-31
W	Day	0-6(0 : SUN, 1 : MON, 2 : TUE, 3 : WED, 4 : THU, 5 : FRI, 6 : SAT)
HH	Hour	00-23
MM	Minute	00-59

PROGRAM BUTTONS

KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 505
Display shows
2. Enter new time and date using above table
System returns to step 2
3. Verify time and date
Re-enter if necessary
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
OLD:0111095:0901
NEW:YYMMDDW:HHMM
```

```
OLD:0111095:0901
NEW:0111121:1445
```

```
OLD:0111121:1445
NEW:YYMMDDW:HHMM
```

DEFAULT DATA

FOLLOW SOFTWARE DATE 12:00

RELATED ITEMS

MMC 861 SYSTEM OPTIONS : AUTO UPDATE TIME

506 TONE CADENCE

Provides the ability to customize the tone cadence on a system-wide basis.

The system can provide eleven types of tone and three types of tones provided from Central Office or PBX system can be detected. Please call Technical Support before changing any cadences as some systems may require default settings.

BUSY TONE	The called station is busy.
CONF/M/BARGE	A feature has been successfully activated/cleared or a Barge In with Tone has been performed.
DIAL TONE	The system is ready to interpret key presses/dialled digits.
DND/NO MORE	The called station is in DND or has no free CALL buttons.
ERROR TONE	An error has been made.
HOLD/CAMPON	This is the system generated hold tone.
MSGWAT TONE	This is the tone heard at an SLT with a message waiting.
RGBACK TONE	The called station is ringing.
RING TONE	This is the tone heard from ROP device or Loud Bell when these devices are called.
TRANSFERER TONE	This is the tone heard when the transfer button is pressed or an SLT hook flashes.
DID RINGBACK	This is the tone heard by the outside party when they dial a DID number.
CO BUSY TONE	This is used to detect the busy tone provided from Central Office or PBX system.
CO RING BACK	This is used to detect the ring back tone provided from Central Office or PBX system.
CO DIAL	This is used to detect the dial tone provided from Central Office or PBX system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 506
Display shows
2. Dial tone number from above list(00-13, e.g., 09)
OR
Press Volume button to select tone, press Left Soft button and advance to step 3

DISPLAY

BUSY TONE
INTERRUPT TONE

TRANSFERER TONE
INTERRUPT TONE

3. Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT
OR
Press Volume button to select tone control and press Right Soft button to advance step 4
OR
Press Left Soft button to return to step 2
4. Dial new value for interrupt times (must be four digits)
Press Right Soft button advances cursor
Press Left Soft button retreats cursor
If valid entry, system returns to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
TRANSFERER TONE
INTERRUPT TONE
```

```
TRANSFERER TONE:0100
9900 0100 9900
```

DEFAULT DATA

TONE	ON	OFF	ON	OFF
BUSY TONE	350	350	350	350
CONFIRM/BARGE-IN	250	250	250	1250
DIAL TONE	CONTINUOUS			
DND/NO MORE TONE	250	250	250	250
ERROR TONE	200	200	200	200
HOLD/CAMP-ON TONE	500	3500	500	3500
MESSAGE WAIT TONE	1000	250	1000	250
RING BACK TONE	1000	4000	1000	4000
RING TONE	1000	2000	1000	2000
TRANSFER TONE	100	100	100	100
DID RING BACK TONE	1000	2000	1000	2000
CO BUSY TONE	350	350	350	350
CO RING BACK TONE	1000	4000	1000	4000
CO DIAL TONE	CONTINUOUS			



All times are in milliseconds.

NOTE

RELATED ITEMS

NONE

507 ASSIGN RING PLAN TIME

Use this MMC to program Ring Plans time settings. Ring Plans provide six separate ringing destinations based on day of the week and time of day. The start time within a plan is the time the system will switch from one ringing destination to the next. The end time is the time the system will switch from that plan to the previous plan.

A RPO (Ring Plan Override) 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 if needed. If a ring plan has no time entry the ring plan defaults to ring plan 1. The ring plans correlate with all MMC's that program ring or termination destinations and station and trunk COS.

Use the following example of assigning Ring Plans :

RING PLAN	START TIME	END TIME
(MON : 1)	ST : 0000	END : 23:59
(MON : 2)	ST : 0800	END : 2200
(MON : 3)	ST : 1000	END : 2000
(MON : 4)	ST : 1200	END : 1800
(MON : 5)	ST : 1300	END : 1600
(MON : 6)	ST : 1400	END : 1500

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 the last active Ring Plan from the previous day until the end time which is 23:59. Monday starts the Ring Plan 1 at 00:00. The system will stay Ring Plan 1 until 08:00 and will stay in Ring Plan 2 until Ring Plan 3 starts. As each ring Plan start it will override the previous Ring Plan. If a Ring Plan ends and there are no additional Ring Plans the system will default to the Ring Plan with time that extends past the expired ring plan time.



NOTE

Ring Plans must be programmed in sequence. IE. RP 1, 2, 3, 4 etc.

A Ring Plan cannot be omitted. IE. RP 1, 2, 5 etc.

A higher numbered Ring Plan cannot have a START time before a lower numbered Ring Plan.



NOTE

Ring Plan 1 is the default Ring Plan of each day. If no Ring Plan destination is input the operator group is the default destination.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 507
Display shows
2. Dial day number(0-6, e.g., 3)
OR
Press Volume button to select day
Press Right Soft button to advance cursor to step 3
3. Dial ring plan number(1-6, e.g., 2)
OR
Press Volume button to select day
Press Right Soft button to advance cursor to step 4
4. Dial start time, (e.g., 1030)
If valid, cursor moves to end time
Enter end time
If valid, system returns to step 2
Begin again
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
RING PLAN (SUN:1)
ST:      END:
```

```
RING PLAN (WED:1)
ST:      END:
```

```
RING PLAN (WED:2)
ST:_     END:
```

```
RING PLAN (WED:1)
ST:1030 END:1800
```

DEFAULT DATA

```
START : NONE
END : NONE
```

RELATED ITEMS

MMC 202	FEATURE PASSCODE
MMC 512	HOLIDAY ASSIGNMENTS
MMC 701	STATION COS
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING

508 CALL COST

Allows the system administrator to set the Call Cost attributes generated by the system during a call. This information can be displayed on the phone LCD during a call or as an SMDR record.

0	UNIT COST PER MP	When the system is installed to receive MP on a C. O. outgoing call. It is used for generating total call cost by multiplying it by the number of pulses. Allows a maximum value of 9999.
1	CALL COST RATE	This generates additional call cost calculated by multiplying this rate by the original call cost. Ranges from 100 through 255.



Changing this value when there is a call in progress may result in an inaccurate call cost. This MPD facility requires the Meter Pulse Detection version of the trunk card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 508
Display shows
- Dial 0 OR 1(e.g., 1)
OR
Press Volume button to select , and press
Right Soft button to move cursor
- Enter new value(e.g., 110 for 110 percent)
System returns to step 2
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
UNIT COST PER MP
0100PESET→
```

```
CALL COST RATE
100 %→
```

```
CALL COST RATE
110 %
```

DEFAULT DATA

UNIT COST PER MP 100 PERCENT
CALL COST RATE 100 PERCENT

RELATED ITEMS

MMC 110 STATION ON/OFF : CALL COST OPTION

510 SLI RING CADENCE

Provides the ability to customize the ring cadence for single line ports on a system-wide basis. There are 5 cadences available. Please call Technical Support before changing any cadences as some peripheral systems may require default settings.

1	STN RING	This is the cadence intercom calls will ring at.
2	TRK RING	This is the cadence trunk calls will ring at.
3	DOOR RING	This is the cadence doorphone calls will ring at.
4	ALM RING	This is the cadence alarm reminder calls will ring at.
5	CBK RING	This is the cadence callbacks will ring at.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 510
Display shows
2. Dial cadence number from above list(e.g., 3)
OR
Press Volume button to select , press LEFT
Soft button and advance to step 3
3. Dial new value for interrupt times
(must be four digits)
Press Right Soft button advances cursor
Press Left Soft button retreats cursor
If valid entry, system returns to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
1:STN RING :0400
0200 0400 3000
```

```
3:DOOR RING:0400
0100 0400 2000
```

```
3:DOOR RING:0100
9900 0100 9900
```

DEFAULT DATA

	ON	OFF	ON	OFF
STN RING	0400	0200	0400	3000
TRK RING	1000	3000	1000	3000
DOOR RING	0400	0100	0400	2000
ALM RING	0200	0200	0200	2000
CBK RING	0200	0200	0200	4000



All times are in milliseconds.

NOTE

RELATED ITEMS

NONE

511 MSG WAITING LAMP CADENCE

This MMC defines the cadence (flash rate) of single line telephone message waiting lamps on phones connected to an MWSLI supported card. There are two main choices for the MW lamp cadence available, these being continuous and interrupted as described below.

0	INTERRUPTED	The MW lamp will flash at a rate determined by the timer settings. The shortest on time is 100ms and the longest on time is 3000ms. The timer is adjusted in 100ms increments.
1	CONTINUOUS	When an MWSLI port has a message, the lamp will be lit steady.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

- Press Transfer button and enter 511
Display shows
- Press 0 or 1 to select CADENCE
OR
Press Volume button to make selection
Press Right Soft button to advance step 3
- Dial new values for interrupt times(four digits)

Press Right Soft button to move cursor back
If valid entry, system returns to step 2
Press Left Soft button to move cursor back
If valid entry, system returns to step 2
- Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
MW LAMP CADENCE
INTERRUPT LED
```

```
MW LAMP CADENCE
INTERRUPT LED
```

```
MW LAMP CADENCE
2000 2000
```

DEFAULT DATA

INTERRUPT LED : 1000MS-ON 1000MS-OFF

RELATED ITEMS

MWSLI SUPPORTED CARDS ONLY

512 HOLIDAY ASSIGNMENT

This MMC defines up to 60 holiday dates throughout the year. The system will override the normal ring plan for these days and remain in the ring plan associated with the holiday. Dates are entered in a month day format. For example July 4th would be 0704. One ring plan applies to all holidays.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 512
Display shows the Ring Plan
2. Press Right Soft button advance cursor.
Press Volume button to select a Ring Plan
OR
Use the dial pad to select a Ring Plan(e.g., 2)
3. Press the Right Soft button to enter and advance cursor
4. Press Volume button to scroll to
Assign Holiday and press Right Soft button to advance cursor.
5. Press Volume button to select entry and press
Right Soft button enter and advance cursor
6. Dial date using the dial pad for holiday(e.g., 0704)
7. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
RING PLAN
FOLLOW 1
```

```
RING PLAN
FOLLOW 2
```

```
RING PLAN
FOLLOW 2
```

```
ASSIGN HOLIDAY
01:
```

```
ASSIGN HOLIDAY
05:
```

```
ASSIGN HOLLIDAY
05:0704
```

DEFAULT DATA

```
NO HOLIDAY ASSIGNED
FOLLOW RING PLAN 1
```

RELATED ITEMS

MMC 507 ASSIGN RING PLAN TIME

513 HOTEL TIMER

This MMC is where the check out time for guest rooms and the room clean timers are set. These are system wide timers that affects all rooms.

CHECK OUT TIME	If a room is occupied during the checkout time an additional days room charge will be automatically added to the room bill. If a room is flagged as Occupied and HOLD then the additional days room charge will not be added. Setting a room status to hold is how a late check out can be performed.
ROOM CLEAN TIME	This is the time each day that the system will flag all occupied rooms as NEEDS CLEANING.
CHECK IN END TM	This time is used to decide an additional days room charge will be automatically added to the room bill when the first check out time is reached after check-in.



This MMC is available for Hotel/Motel enabled only

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 513
Display shows
2. Select the timer using the Volume buttons.
3. Enter new time using above 24 hour clock system returns to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
CHECK OUT TIME
HH:MM :  :
```

```
ROOM CLEAN TIME
HH:MM :  :
```

```
ROOM CLEAN TIME
HH:MM : 11:30
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

514 TONE SOURCE

This program is assigned external tone source instead of system tone. There are 7 types of tone for external tone source.

- 0 BUSY TONE
- 1 DIAL TONE
- 2 DND/NO MORE
- 3 TRANSFERER TONE
- 4 MSGWAIT TONE
- 5 ERROR TONE
- 6 RGBACK TONE

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 514
Display shows
2. Enter the system tone number(0-6)
OR
Press Volume button to select tone number and press Right Soft button to move cursor
3. Dial a number for external tone source
OR
Press Volume button to select tone number and press Right Soft button to store
4. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

BUSY TONE
TONE

DIAL TONE
TONE

DIAL TONE
372

DEFAULT DATA

TONE

RELATED ITEMS

NONE

515 ASSIGN DAYLIGHT SAVING DATE

Allows the Technician to program the start dates and end dates of daylight saving time on a system for the current year and the next 9 years. System will automatically add 1 hour to the system clock at 02.00(2.00 a.m.) on the Start date and subtract 1 hour from the system clock at 02.00(2.00 a.m.) on the End date.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
TRANSFER	Used to exit programming

ACTION

1. Press Transfer button and enter 515
Display shows
2. Enter entry number(e.g., 00 for current year)
OR
Press Volume button to select entry number and press Right Soft button to move cursor
3. Enter year(e.g., 03 for 2003)
OR
Press Volume button to select year and press Right Soft button to move cursor
4. Enter the start date in format MMDD.
(e.g., 30th March would be 0330)
5. Enter the start date in format MMDD.
(e.g., 26th October would be 1026)
6. Press Transfer button and enter to exit
OR
Press Speaker button to save and advance to next MMC

DISPLAY

```
NO:YY:START:END
00:  :  :
```

```
NO:YY:START:END
00:_ :  :
```

```
NO:YY:START:END
00:03:_ :
```

```
NO:YY:START:END
00:03:0330 :__
```

```
NO:YY:START:END
00:03:0330 :1026
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 505 DATE AND TIME
MMC 861 SYSTEM OPTIONS : AUTO UPDATE TIME

600 ASSIGN OPERATOR GROUP

Used to assign an operator group for each ring plan.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 600
Display shows
2. Dial the ring plan number(1~6)
OR
Press the Right Soft button to advance the cursor
3. Dial the group number
OR
Press Volume button to select group and press Right Soft button
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
OPERATOR GROUP
1:500  2:500
```

```
OPERATOR GROUP
1:500  2:500
```

```
OPERATOR GROUP
1:501  2:500
```

DEFAULT DATA

RING PLAN 1~6 : 500

RELATED ITEMS

MMC 211 DOOR RING ASSIGNMENT
MMC 406 TRUNK RINGING ASSIGNMENT
MMC 601 ASSIGN STATION GROUP

601 ASSIGN STATION GROUP

This MMC is used to build all station groups. There are 40 programmable groups available in a M system and 80 for a L system.

The options for setting up these groups are as follows :

0	<p>TYPE : This is the type of group you are creating and can be one of the following :</p> <p>0 NORMAL : Used to assign stations in a ring group. The members can be stations, common bell contacts or Ring over Page relays.</p> <p>1 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.</p> <p>2 UCD : Used to build a UCD group. The system will support two methods of UCD :</p> <p>- TYPE 1 UCD</p> <p>The group OVERFLOW/N-ANS 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.</p> <p>Please note that this type of UCD group has the following limitations.</p> <p>a) The announcement device must be able to terminate the announcement with a hook flash and a transfer back to the UCD group.</p> <p>b) Only one caller at a time can hear the announcement.</p> <p>c) Each caller connected to the announcement must hear the announcement in its entirety.</p> <p>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.</p> <p>- TYPE 2 UCD</p> <p>The group OVERFLOW/N-ANS destination(see below) is defined as an AA port or group. This will only work if an AA card has been installed in the system.</p> <p>The digital announcer in the AA card will supply two recorded announcements to callers in queue. The first announcement is played only once, the second announcement will repeat for as long as the caller is in queue.</p> <p>This type of UCD group has the following advantages :</p> <p>a) No external device need be installed to provide an announcement.</p> <p>b) Multiple callers can hear the announcement(s) simultaneously.</p> <p>c) Callers hearing the announcement will be transferred to a free UCD group member(agent) as soon as the agent becomes available.</p> <p>d) The callers place in queue is always maintained.</p> <p>Additional programming for this type of UCD group is in MMC 607. There is a maximum of 20 UCD groups available on a system due to availability of system resources.</p>
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0	<p>3 AA : This is used to group a number of AA ports. An Auto Attendant(AA) card must be installed in the system to do this.</p> <p>4 BI-VMS : This is the voice mail group for the Built-In Voice Mail Card. When a Built-In Voice Mail Card is installed, group 529 must be programmed as a BI-VMS group on a M system and group 549 must be used for a L system. Group 529(or 549) are fixed for BI-VMS use. If BI-VMS is not installed in the system, group 529(or 549) can be used as any other group can be used.</p> <p>5 MESSAGE : Used to group a number of extensions to serve as a message desk or message group. When one of the stations in this type of group leaves a message to another station the messaged station will return the message to the message group so any member can answer the call. If a station is a member of more than one message group, then any message indications made by that station would be for the first numerical message group they are a member of. It is not recommended to program stations in to multiple station groups.</p>
1	<p>RING MODE : Each group can have one of the following ring modes. This will decide how calls are placed to the group.</p> <p>0 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 second member is busy, calls will go to the third 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. The number of members allowed for a sequential group is 48.</p> <p>1 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. The number of members allowed for a distributed group is 48.</p> <p>2 UNCONDITIONAL : Calls are placed to all group members simultaneously. This reduces the number of members of the groups to 32. If a group member is busy, they can receive off hook ring if defined in MMC 300. This ring mode option is not available for UCD or VMAA groups. The SGR INC BUSY option is not available for unconditional ring mode.</p>
2	<p>OVERFLOW : This is the 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.</p>
3	<p>GROUP TRANSFER : This is a timer that will determine how long Trunk Line calls transferred to the group will ring at the group before recalling. If set to 000, no recall will take place.</p>
4	<p>NEXT PORT : This is the station or group number that callers will also ring at if the OVERFLOW feature has been programmed. The OVERFLOW DESTINATION can be defined as :</p> <p>1 COMMON BELL There are up to 3 Common bells available on L system and 1 on M system. Because there is a common bell port on each MISC card.</p> <p>2 RING OVER PAGE The ROP port can be defined as the NEXT port.</p>

4	3 STATION OR STATION GROUP. Any station or station group can be defined as the NEXT port.
5	MEMBER : List all members that are to be in the group. Up to 48 members for the system are allowed in each group, but stations can be assigned to multiple station groups
6	NEXT HUNT : The length of time a call will ring at a station before it hunts to the next group member.
7	GROUP BUSY : When this option is set to ON, a busy signal will be sent to the caller if all group members are busy. When this option is set to OFF, the ring back tone is sent to the caller even if all group members are busy. Obviously UCD is an exception to this rule.
8	GRP AUTOANS : When this option is set to ON, a group call follows auto answer option also.



Calls to a group do not follow the call forwarding instructions of any stations in the group.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 601
Display shows
- Dial group number(e.g., 505)
OR
Press Volume button to select group and
Press Right Soft button to move cursor.
- Dial feature option number(0-7, e.g., 0)
OR
Press Volume button to scroll options and press
Right Soft button to move cursor
- DIAL group type(e.g., 1)
OR
Press Volume button to make selection
Press Left Soft button to move cursor to TYPE

DISPLAY

```
[501] STN.GROUP
TYPE:NORMAL GRP
```

```
[505] STN.GROUP
TYPE:NORMAL GRP
```

```
[505] STN GROUP
TYPE:VMAA GROUP
```

```
[505] STN GROUP
TYPE:VMAA GROUP
```

5. Dial feature option number(0-6, e.g., 1)
OR
Press Volume button to scroll options and
press Right Soft button to move cursor
6. Dial ring option(0-2, e.g., 0)
OR
Press Volume button to make selection
Press Left Soft button to move cursor
back to RING or press Right Soft button to
return to step 2
7. Dial next feature option and continue
OR
Press Volume button to select option and
press Right Soft button
OR
Press Left Soft button to return to step 2
8. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[505] STN GROUP
RING:DISTRIBUTE
```

```
[505] STN GROUP
RING:SEQUENTIAL
```

```
[505] STN GROUP
RING:SEQUENTIAL
```

DEFAULT DATA

NORMAL GROUP

RELATED ITEMS

MMC 203 ASSIGN UA DEVICE
MMC 204 COMMON BELL CONTROL
MMC 600 ASSIGN OPERATOR GROUP
MMC 607 UCD OPTIONS

602 STATION GROUP NAME

Allows the system administrator or technician to enter an 11-character name to identify an individual station group.

Names are written using the keypad. Each press of a key selects a character. Pressing the next key moves the cursor to the next position. For example, if the directory name is 'SAMSUNG,' press the number '7' four 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 '**A button**' changes the letter from upper case to lower case.



When the character that you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right or the Volume Down button to move cursor left. A space can be entered by using these keys.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION

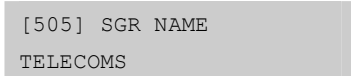
1. Press Transfer button and enter 602
Display shows
2. Dial group number(e.g., 505)
OR
Press Volume button to make selection and
press LEFT or Right Soft button to move cursor
3. Enter in name using above method and table
4. Press LEFT or Right Soft button to return to step 2
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY


[500] SGR NAME



[505] SGR NAME



[505] SGR NAME
TELECOMS

DEFAULT DATA

NONE

RELATED ITEMS

MMC 104 STATION NAME
MMC 404 TRUNK NAME
MMC 601 ASSIGN STATION GROUP

603 ASSIGN TRUNK GROUP

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 dialling plans. There are two different modes of operation : (1) sequential and (2) distribute. There are 30 programmable trunk groups with up to 99 members per group.



One trunk can appear in more than one trunk group. If necessary, delete the trunk member from other groups to prevent accidental access.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 603
Display shows
2. Enter in valid trunk group(e.g., 9)
OR
Press Volume button to make selection and press
Right Soft button to advance cursor
3. Press Right Soft button to change mode
OR
Press Volume button to change mode to member
4. Press Right Soft button to move cursor to
number of member and enter valid member
number (e.g., 05) via dial keypad
OR
Press Volume button to make selection and press
Right Soft button to move cursor

DISPLAY

```
[9] TRK GROUP
MODE:SEQUENTIAL
```

```
[9] TRK GROUP
MODE:SEQUENTIAL
```

```
[9] TRK GROUP
MEMBER 01:NONE
```

```
[9] TRK GROUP
MEMBER 05:NONE
```

5. Enter valid trunk number(e.g., 729)
OR
Press Volume button to make selection and press
Right Soft button to return to step 2
6. Repeat steps 1-5 to remove trunk from group 9 if
necessary
7. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[9] TRK GROUP  
MEMBER 01:729
```

DEFAULT DATA

ALL LOOP/ISDN TRUNKS : 9
ALL TIE TRUNKS : 801
ALL VOIP NETWORKING TRUNKS : 803
ALL VOIP H.323 TRUNKS : 804
ALL VOIP SIP TRUNKS : 805

RELATED ITEMS

LCR PROGRAMMING
VOIP NETWORKING FEATURE
VOIP GATEWAY FEATURES

604 ASSIGN STATION TO PAGE ZONE

Allows the technician to assign a phone to any of the five internal paging zones. Each page zone can have up to 99 members. A phone may be assigned to more than one zone. Page zone(*) will page all external page zones as well as all phones that are members of page zone 0.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry

ACTION

1. Press Transfer button and enter 604
Display shows
2. Enter the page zone number(0-4, e.g., 3)
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter index number(e.g., 05) via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Enter station number(e.g., 205) via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
INT.PAGE ZONE(0)
MEMBER 01:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 01:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 05:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 05:205
```

DEFAULT DATA

NO STATIONS ASSIGNED

RELATED ITEMS

NONE

605 ASSIGN EXTERNAL PAGE ZONE

Determines which relays will close when one of the four external page zones is accessed.



The OfficeServ 500 system must be equipped with a MISC daughter-board to allow external paging.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 605
Display shows first page zone
2. Dial page zone number(e.g., 6)
OR
Use Volume button to select desired page zone numbers and press Right Soft button to move the cursor
3. Dial member number(e.g., 3)
OR
Use Volume button to select member numbers and press Right Soft button to move the cursor
OR
Press Left Soft button to return to step 2 above
4. Dial relay number via dial keypad(e.g., 362) and press Right Soft button to return to step 2
OR
Press Left Soft button to return to step 3 above
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
EXT. PAGE ZONE(5)
MEMBER 1 :NONE
```

```
EXT. PAGE ZONE(6)
MEMBER 1 :NONE
```

```
EXT. PAGE ZONE(6)
MEMBER 3 :NONE
```

```
EXT. PAGE ZONE(6)
MEMBER 3 :362
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

606 ASSIGN SPEED BLOCK

Provides a means of adding or deleting speed dial blocks to the system or an individual phone. With the ability to delete a block or blocks of 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 2500 speed dial numbers may be allocated as needed. 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 24 digits.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	Used to exit programming

ACTION

1. Press Transfer button and enter 606
Display shows
2. Press Right Soft button to advance next line.

OR
You can view BUSY LIST using Volume button
3. Make a selection of SYSTEM or EXT using
Volume button and press Right Soft button to
advance cursor
4. Enter desired extension number via dial keypad
(e.g., 205)
OR
Press Volume button to make selection and press
Right Soft button to advance cursor

DISPLAY

```
FREE LIST:20
SYSTEM:20
```

```
FREE LIST:20
SYSTEM:20
```

```
BUSY LIST:180
SYSTEM:20
```

```
FREE LIST:20
EXT201:1
```

```
FREE LIST:20
EXT205:1
```

5. Enter valid number for bins
(e.g., 0-5 for EXT or 00-50 for SYSTEM)
OR
Press Volume button to make selection
OR
Press Hold button to delete bin(s)

6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
FREE LIST:20  
EXT205:5
```

DEFAULT DATA

SYSTEM : 200 ENTRIES
STATIONS : 1 BLOCKS ASSIGNED

RELATED ITEMS

MMC 105 STATION SPEED DIAL
MMC 106 STATION SPD NAME
MMC 705 ASSIGN SYSTEM SPEED DIAL
MMC 706 SYSTEM SPEED DIAL BY NAME

607 UCD OPTIONS

Sets up UCD options when an AA card has been installed. MMC 601 must have already been used to define a UCD group with an overflow destination of an AA port or group. (A group is preferred over a port because a group allows multiple paths into the AA card and therefore has greater traffic handling capabilities.) When a group overflow timer in MMC 601 expires, the caller will be routed to the AA card. It is here that the caller is played the UCD 'FIRST MESSAGE' and 'SECOND MESSAGE' while in queue. This will continue until an agent becomes free or the caller is transferred to a final destination.

This MMC includes options to select messages to play to a caller. These messages can be as follows :

MESSAGES 01-48

These can be created using the AAREC Soft button (programmed on phones by using MMC 722 or 723). A total of two minutes of message time is available and can be divided up into 1 to 48 messages.

MESSAGES 49-64

These are pre-programmed as follows :

- 49 'Thank you for calling, please dial your party's extension number'.
- 50 'Invalid number, please try again'.
- 51 'I'm sorry, there is no answer'.
- 52 'I'm sorry, that station is busy'.
- 53 'One moment please'.
- 54 'Transferring'.
- 55 'I'll transfer you'.
- 56 'Good-bye'.
- 57 'Thank you'.
- 58 'Please hold for the operator'.
- 59 'Please hold for assistance'.
- 60 'Thank you, good-bye'.
- 61 'I'm sorry, all stations are presently busy'.
- 62 'I'm sorry, all stations are still busy'.
- 63 'Please call back later'.
- 64 'I'm sorry, not a valid selection'.

The following program options apply :

00	FIRST MESSAGE	<p>After the caller has overflowed from the UCD group, the first message will immediately play. For instructions on how to make these recordings, see the User Instructions Section, Auto Attendant and Uniform Call Distribution System Administration. The default message is #61 'I'm sorry, all stations are presently busy.'</p> <p>This message will only be played once for the caller.</p>
01	SECOND MESSAGE	<p>If no agent has become free after the UCD recall time(see UCD Recall), the caller will be played the second message. For instructions on how to make these recordings, see the User Instructions Section, Auto Attendant and Uniform Call Distribution System Administration. The default message is #62 'I'm sorry, all stations are still busy'.</p> <p>This message will be repeated for as long as the caller is in queue, at an interval specified in the UCD Recall Timer below.</p>
02	EXIT CODE	<p>While the caller is hearing a message(but not during MOH), the caller may dial the DTMF digit specified here and be transferred immediately to the final destination(see Final Destination). The exit code is optional and does not need to be used. If used, the first and second messages may be modified to provide instructions on its use.</p>
03	RETRY COUNT	<p>The UCD program is designed to route a caller to a 'final destination' after a programmable number of 'loops' through the UCD message. The range of this counter is 0 to 99. 00 means that there is no retry counter and the caller will remain in the UCD queue until answered. Any non zero value will route a caller through the UCD loop that many times before going to the final destination. The UCD will route calls to the final destination immediately if all members of the group are either out of group or in DND.</p> <p>Example) If this counter is set to 02, callers reaching a busy group will hear the first UCD message, be placed on hold, hear the second UCD message, be placed on hold, and finally hear the second message again before being transferred to the final destination.</p>

04	FINAL DESTINATION	<p>This is the final destination for the caller if not answered by a UCD agent.</p> <p>This destination is only reached if(a) the caller dials an exit digit during a message or (b) the retry count has expired. The final destination can be a station number, a group number, a disconnect or another plan. Plans are entered by pressing A button plus two digits 01-12. A disconnect is entered as a destination of NONE(Hold button).</p> <p>If the final destination is a voice mail port, the port will receive a FWD from UCD group integration message. The final destination will forward or overflow.</p> <p>If the forward to destination is a voice mail port the port will receive FWD from UCD group integration message. If the final destination is not forwarded, the call will ring or camp on to the final destination indefinitely.</p> <p>To ensure that you do not get a situation where all the call buttons are busy on the final destination it is advisable to make the final destination a group(even if the group has only one station in it.)</p>
05	RING NEXT TIME	<p>This timer must be shorter than the overflow timer in MMC 601. If a higher value is entered, the display will show invalid entry. In the case where a UCD group has the ring next timer set at 000, an unanswered call will rotate evenly among all agents until it is answered. The UCD greetings will be heard during this routing process, but can be removed by defining the UCD messages in MMC 607 as unrecorded message numbers. This will simulate a circular hunt group.</p>
06	UCD RECALL TIME	<p>After a caller has heard a UCD announcement, he/she will be placed on hold until an agent becomes available or the UCD recall timer expires. When the UCD recall timer expires, the caller will again hear the UCD announcement. The range is 00-99. The default is 10.</p>
07	MOH SOURCE	<p>This option determines what Music on Hold source the callers will be connected to between messages. The choice is either an external source, AA message defined in MMC 736, or a Built-In Voice Mail Card message defined in MMC 756.</p>
08	WRAP-UP TIME	<p>This option 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. The range is 000-250. The default is 010.</p>

09	AUTO LOG OUT	This YES/NO option determines if a station will automatically log out of the UCD group when the RING NEXT timer expires. This setting will be ignored if the RING NEXT timer is set to 000.
10	ALLOUT→FINAL	This YES/NO option determines if calls forward to the UCD final destination when all stations are logged out of the UCD group. If no UCD final destination is assigned then the call will disconnect.
11	AGENT PIN NO	This YES/NO option determines if an agent is required to enter an Agent ID when logging on to this group. The Agent ID can be entered in MMC 717.
12	GROUP BUSY NEXT	This YES/NO option determines if all agents are busy, specifies whether the next port is called immediately during overflow time.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	Used to exit programming

ACTION

- Press Transfer button and enter 607
Display shows
- Press Volume button to select UCD group or dial group number
OR
Press Left Soft button to position cursor under message number and enter new message
OR
Press Right Soft button and advance to next option using the Volume buttons to select an option
- Press Right Soft button and advance to next option Use the Volume buttons to make a selection.
OR make a selection using the dial pad.

DISPLAY

```
[530] UCD OPTION
FIRST MSG :61
```

```
[542] UCD OPTION
FIRST MSG :61
```

```
[530] UCD OPTION
FIRST MSG :25
```

```
[530] UCD GROUP
UCD RECALL:10 SEC
```

```
[530] UCD OPTION
UCD RECALL:10 SEC
```

4. Press the Left Soft button to ENTER the selection and to return to Step 1
OR
Press the Right Soft button to return to Step 3
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

[530] UCD OPTION
EXIT CODE :NONE

DEFAULT DATA

FIRST MSG	61
SECOND MSG	62
EXIT CODE	NONE
RETRY COUNT	03
FINAL DEST	500
RING NEXT	30 SEC
UCD RECALL	10 SEC
MOH SOURCE	NONE
WRAP-UP	10 SEC
AUTO LOG OUT	ON
ALL OUT TO FINAL	OFF
AGENT PIN NO	OFF
GBUSY NEXT	OFF

RELATED ITEMS

MMC 601 ASSIGN STATION GROUP
MMC 733 AA PLAN PROGRAMMING

608 ASSIGN REVIEW BLOCK

Provides means of adding or deleting CID review blocks to an individual phone. With the ability to delete a block or blocks of CID review, it will not be necessary to waste these on such items as voice mail, DPIMs or for phones that do not have displays. The free list will show how many bins are left to be assigned. The system has 2000 total bins. Each phone may be assigned a maximum of 50 bins.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION

1. Press Transfer button and enter 608
Display shows first station
2. Enter desired EXT number(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Enter valid number for bins(e.g., 5)
OR
Press Volume button to make selection
OR
Press Hold button to delete bin(s)
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] REVIEW BLK
10:0060 FREE
```

```
[205] REVW BLOCK
10:0060 FREE
```

```
[205] REVW BLOCK
50:0010 FREE
```

DEFAULT DATA

PHONES : 10 BINS

RELATED ITEMS

CALL LOG FEATURE : INCOMING CALL

609 CALL LOG BLOCK

Provides means of adding or deleting Call LOG blocks to an individual phone. With the ability to delete a block or blocks, it will not be necessary to waste these on such items as voice mail, DPIMs or for phones that do not have displays. The free list will show how many bins are left that be assigned. The system has 2000 total bins. Each phone may be assigned a maximum of 50 bins.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION

1. Press Transfer button and enter 609
Display shows first station
2. Enter desired EXT number(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Enter valid number for bins(e.g., 5)
OR
Press Volume button to make selection
OR
Press Hold button to delete bin(s)
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] LOG BLOCK
10:0070 FREE
```

```
[205] LOG BLOCK
10:0070 FREE
```

```
[205] LOG BLOCK
50:0030 FREE
```

DEFAULT DATA

PHONES : 10 BINS

RELATED ITEMS

CALL LOG FEATURE : OUTGOING CALL

611 ALLOW TEXT MESSAGING

This program allows you to send a text message to a busy station or during an OHVA. Up to 100 stations can be set to the system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION

1. Press Transfer button and enter 611
Display shows
2. Enter the number of a station
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Specify whether text message will be used or not.
4. Press Transfer button and enter to exit the program.
OR
Press Speaker button to move on to the next program.

DISPLAY

```
[201] TMSG STN
NOT USED:100 FREE
```

```
[202] TMSG STN
NOT USED:100 FREE
```

```
[202] TMSG STN
USED
```

DEFAULT DATA

ITP-5012L sets are automatically set to USED

RELATED ITEMS

MMC 117 TEXT MESSAGE

612 ALLOW GROUP CONFERENCE

This program allows a station to use the Group conference call feature. Up to 100 stations can be allowed in the system. Each user can have up to 5 pre programmed conferences.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION

1. Press Transfer button and enter 612
Display shows
2. Enter the number of a station
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Specify whether a group conference be used or not.
4. Press Transfer button and enter to exit the program
OR
Press Speaker button to move on to the next program.

DISPLAY

```
[201] CONF STN
NOT USED:100 FREE
```

```
[202] CONF STN
NOT USED :100 FREE
```

```
[205] CONF STN
USED
```

DEFAULT DATA

ITP-5012L sets are automatically set to USED

RELATED ITEMS

MMC 118 CONFERENCE GROUP

614 STATION/TRUNK USE GROUP

This program allows you to set a call group in which each station or Trunk line is included. It is useful if you want to limit a call between stations, outgoing calls through a Trunk line, or call-pickup.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION

1. Press Transfer button and enter 614
Display shows first station
2. Enter [0] if you want to set a call group to a station.
Enter [1] if user want to set a call group to a trunk.
OR
Press Volume button to make selection and press Right Soft button to advance cursor
3. Enter a number you want
OR
Press Volume button to make selection and press Right Soft button to advance cursor
4. Enter the number of the call group you want to set.
OR
Press Volume button to make selection and press Right Soft button to advance cursor
5. Press Transfer button and enter to exit the program.
OR
Press Speaker button to move on to the next program.

DISPLAY

```
STATION GROUP
201:001
```

```
TRUNK GROUP
701:301
```

```
TRUNK GROUP
702:301
```

```
TRUNK GROUP
702:302
```

DEFAULT DATA

ALL STATIONS : 001

ALL TRUNKS : 301

RELATED ITEMS

MMC 304 ASSIGN EXTENSION/TRUNK USE

MMC 316 COPY STATION/TRUNK USE

MMC 317 ASSIGN STATION/STATION USE

MMC 428 ASSIGN TRUNK/TRUNK USE

615 MGI GROUP

This optional program sets designated MGI ports for specific services. This allows ‘grading’ of MGI card(s) for traffic conditions. The MGI ports can be segregated into groups. Keep in mind that any entries made here can be ineffective, if conflicting entries exist in MMC616.

0	LOCAL ITP	This determines what MGI ports can be used with ITP phones across a private IP network
1	PUB IP ITP	This determines what MGI ports can be used with ITP phones on a public IP network.
2	VOIP NTWK	This determines what MGI ports can be used for enhanced proprietary Samsung VoIP networking between OfficeServ 500 systems across a private IP network.
3	PUB IP NTWK	This determines what MGI ports can be used for enhanced proprietary Samsung VoIP networking between OfficeServ 500 systems on a public IP network
4	VOIP TRUNK	This determines what MGI ports can be used as industry-standard H.323 or SIP VoIP trunks for communications across a private network
5	PUB IP TRK	This determines what MGI ports can be used as industry-standard H.323 or SIP VoIP trunks for communications on a public network
6	MGI3 NEEDED	This determines what MGI ports can be used for T.38 facsimile communications across a private network.
7	PUB IP MGI3	This determines what MGI ports can be used for T.38 facsimile communications on a public network.
8	ITP PAGED	This determines what MGI ports can be used with station page to ITP phones across a private IP network

The MGI ports can be allow two selection modes : Sequential or Distributed.
The members of each selection are the actual ports on the MGI card(s)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 615
Display shows the first available option
2. Press Volume button to select an user type
Press Right Soft button to move cursor
3. Press Volume button to select an option and
press Right Soft button to move cursor
4. Press Volume button to select an data and
press Right Soft button to store data and
move cursor to return to Step 1
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
USER: LOCAL ITP
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP
MODE: SEQUENTIAL
```

DEFAULT DATA

LOCAL ITP	MGI1, MGI2, MGI3
PUB IP ITP	MGI2, MGI3
VOIP NTKW	MGI2, MGI3
PUB IP NTKW	MGI2, MGI3
VOIP TRUNK	MGI2, MGI3
PUB IP TRK	MGI2, MGI3
MGI3 NEEDED	MGI3
PUB IP MGI3	MGI3
ITP PAGED	MGI1, MGI2, MGI3

RELATED ITEMS

MMC 616 MGI USER
 MMC 831 MGI PARAMETERS
 MMC 838 PRIVATE IP ADDRESSES
 MMC 840 IP SET INFORMATION

616 MGI USER

This optional program selects which specific MGI ports will be dedicated on a per-port basis for IP station/trunk devices. If this MMC is not utilized, allocation of MGI ports will be controlled by MMC615. By defining dedicated MGI port usage, the IP station/trunk selected will always use the port programmed. MGI ports can be assigned for digital stations(2XX~2XXX), private and public ITP stations(32XX), VoIP Networking trunks(83XX), H.323 trunks(84XX), SIP trunks(85XX) and MGI3 facsimile. Only one assignment per MGI port is permitted. Any entries made here will override entries made in MMC615.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 616
Display shows the first available option
2. Enter MGI dial number
OR
Press Volume button to select an MGI port and press Right Soft button to move cursor
3. Enter MGI user dial number
OR
Press Volume button to select an MGI user and press Right Soft button to store and move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3801] MGI USER
NONE
```

```
[3801] MGI USER
NONE
```

```
[3801] MGI USER
NONE
```


DEFAULT DATA

NONE

RELATED ITEMS

MMC 615 MGI GROUP
MMC 616 MGI USER
MMC 831 MGI PARAMETERS
MMC 834 H.323 OPTIONS
MMC 837 SIP OPTIONS
MMC 838 PRIVATE IP ADDRESSES
MMC 840 IP SET INFORMATION
MMC 841 SYSTEM IP OPTIONS

700 COPY COS CONTENTS

This MMC allows the technician to duplicate a class of service to make it easier to have multiple similar classes of service.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
'F' KEY	Used to advance MMC 701

ACTION

1. Press Transfer button and enter 700
Display shows
2. Dial selected COS to copy(e.g., 05)
OR
Press Volume button to select COS and press
Right Soft button to move cursor and advance
to next step
3. Dial target COS(e.g., 06)
OR
Press Volume button to select COS and press
Right Soft button to move cursor back to step 2
4. Press F key to advance MMC 701 and press
RIGHT soft to advance cursor
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
COPY COS ITEMS
COS01→COS01
```

```
COPY COS ITEMS
COS05→COS01
```

```
COPY COS ITEMS
COS05→COS06
```

```
COS CONTENTS (06)
TOLL LEVEL:A
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 701 ASSIGN COS CONTENTS

701 ASSIGN COS CONTENTS

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 re-entry into a conference call. There are 30 classes of service available.

This MMC is divided into 5 categories.

0	TOLL	LEVEL		
	0	A	Follow toll class A(Unrestricted)	
	1	B	Follow toll class B in MMC 702, 703	
	2	C	Follow toll class C in MMC 702, 703	
	3	D	Follow toll class D in MMC 702, 703	
	4	E	Follow toll class E in MMC 702, 703	
	5	F	Follow toll class F in MMC 702, 703	
	6	G	Follow toll class G in MMC 702, 703	
	7	H	Follow toll class H(All restricted)	
1	USABLE FEATURES			
		COS	DEFAULT	DESCRIPTION
	00	AA CALER	YES	Auto answer control by caller
	01	ABSENCE	YES	Absence
	02	ALM CLR	YES	Alarm Clear
	03	AUTO RDL	YES	Retry on busy
	04	CALLBACK	YES	Callback
	05	CLIP ABN	YES	Caller ID Abandon
	06	CLIP INQ	YES	Caller ID Inquire
	07	CLIP INV	YES	Caller ID Investigate
	08	CONFER.	YES	Conference
	09	DALM CLR	YES	DISA alarm ring clear
	10	DIRECT.	YES	Directory dial
	11	DISA	YES	Allow DISA use
	12	DND	YES	Do Not Disturb
	13	DND FWRD	YES	Forward Do Not Disturb
	14	DND OVRD	YES	Do Not Disturb override
	15	DOOR	YES	Door ring answer
	16	DSS	YES	Direct station select
	17	DTS	YES	Direct trunk select
18	EXT AREC	NO	Intercom call automatic record(SVM-800)	
19	EXT FWD	YES	External call forward	

1	COS	DEFAULT	DESCRIPTION
20	FEATURE	YES	Transfer button
21	FLASH	YES	Trunk flash
22	FOLLOW-ME	YES	Call forward-follow me
23	FORWARD	YES	Call forwarding
24	FWDTOVMS	YES	Call forward to SVM-800
25	GRP I/O	YES	Group in/out
26	HOLD	YES	Hold
27	HOTLINE	YES	Hot line and Off hook selection
28	INTERCOM	YES	Intercom call
29	MCID	YES	MCID on ISDN incoming call
30	MESSAGE	YES	Message
31	MM PAGE	YES	Meet me page
32	NEW CALL	YES	New call
33	OHVAED	YES	Receive Off hook voice announcement
34	OHVAING	YES	Make Off hook voice announcement
35	ONEA2	YES	1A2 emulation
36	OPERATOR	YES	Call to Operator
37	OUT TRSF	YES	Outgoing transfer
38	OVERRIDE	NO	Barge-In
39	PAGE 0	YES	Page zone 0 Paging
40	PAGE 1	YES	Page zone 1 Paging
41	PAGE 2	YES	Page zone 2 Paging
42	PAGE 3	YES	Page zone 3 Paging
43	PAGE 4	YES	Page zone 4 Paging
44	PAGE 5	YES	Page zone 5 Paging
45	PAGE 6	YES	Page zone 6 Paging
46	PAGE 7	YES	Page zone 7 Paging
47	PAGE 8	YES	Page zone 8 PAGING
48	PAGE 9	YES	Page zone 9 PAGING
49	PAGE *	YES	Page zone * Paging
51	PICKUP	YES	Call pickup
*52	PRB	YES	Privacy Release and Bridge
53	REM. HOLD	YES	Remote Hold
54	RNG PLAN	YES	Ring Mode Change
55	SECURE	YES	Barge-In secure
56	SET RLOC	NO	Set Relocation
57	SSPD TOL	YES	System Speed dial toll check
58	STN LOCK	YES	Station Lock
59	SYS SPD	YES	System Speed dial

1		COS	DEFAULT	DESCRIPTION
	60	TRK AREC	NO	Trunk call automatic record(SVM-800)
	61	TRK EHLD	YES	Trunk call exclusive hold
	62	UNCO CNF	YES	Unsupervised Conference
	63	VM AREC	NO	Auto Record(SVMi)
	64	VM AME	NO	Answer Machine Emulation(SVMi)
	65	VM REC	NO	Call Record(SVMi)
	66	VMS PSWD	NO	VMS password(SVM-800)
	67	VMS REC	NO	VMS Call Record(SVM-800)
2	CALL STATION GROUPS			
	STN GROUP 01-80		YES	Station group 01~80 calling
3	CALL TRUNK GROUPS			
	TRK GROUP 01-30		YES	Trunk group 01~30 calling
4	CALL TO BIVMS STN(SVMi).			
	BIVMS STN 01-16		YES	SVMi port 01~16 calling

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

- Press Transfer button and enter 701
Display shows
- Dial COS(e.g., 06)
OR
Press Volume button to select COS number and press Right Soft button to move cursor
- Dial COS contents categories.
(e.g., 1 for usable feature)
OR
Press Volume button to select COS categories and press Right Soft button to move cursor
- Dial COS usable feature option(e.g., 12)
OR
Press Volume button to select option and press Right Soft button to move cursor

DISPLAY

```
COS CONTENTS (01)
TOLL LEVEL:A
```

```
COS CONTENTS (06)
TOLL LEVEL:A
```

```
COS CONTENTS (06)
00:AA CALER :YES
```

```
COS CONTENTS (06)
12:DND :YES
```

5. Dial 0 for NO or 1 for YES
OR
Press Volume button to select option and
press Right Soft button to return to step 4

```
COS CONTENTS (06)
12:DND      :NO
```

6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 700 COPY COS CONTENTS
MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE
TOLL RESTRICTION

702 TOLL DENY TABLE

Provides a way to make toll restriction(call barring) very easy and flexible. There are 500 entries allowed in the deny 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. 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 to 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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Used to wild card X entered
B	Used to wild card Y entered
C	Used to wild card Z entered

ACTION

1. Press Transfer button and enter 702
Display shows
2. Dial index number.(e.g., 005)
OR
Press Volume button to select index and press Right Soft button to move cursor
3. Enter toll pattern via dial pad(e.g., 212)
OR
Enter wild card(e.g., 21X) from above list and press Right Soft button to move cursor to COS options
4. Press Volume button 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 button to store and return to step 1
OR
Press Left Soft button to return to step 2

DISPLAY

```
DENY (001) :BCDEFG
           :000000
```

```
DENY (005) :BCDEFG
_           :000000
```

```
DENY (005) :BCDEFG
212_       :000000
```

```
DENY (005) :BCDEFG
21X_       :000000
```

```
DENY (001) :BCDEFG
212        :000100
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS
MMC 703 TOLL ALLOWANCE TABLE
MMC 704 ASSIGN WILD CHARACTER

703 TOLL ALLOWANCE TABLE

Provides a way to make toll restriction very easy and flexible. There are 250 allowable entries in the allow table for a OfficeServ 500-M system and 500 allowable entries for a OfficeServ 500-L system 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 to 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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Used to wild card X entered
B	Used to wild card Y entered
C	Used to wild card Z entered

ACTION

1. Press Transfer button and enter 702
Display shows
2. Dial index number.(e.g., 005)
OR
Press Volume button to select index and press Right Soft button to move cursor
3. Enter toll pattern via dial pad(e.g., 202)
OR
Enter wild card(e.g., 21X) from above list and press Right Soft button to move cursor to COS options
4. Press Volume button 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 button to store and return to step 1
OR
Press Left Soft button to return to step 2

DISPLAY

```
ALOW (001) :BCDEFG
           :000000
```

```
ALOW (005) :BCDEFG
_          :000000
```

```
ALOW (005) :BCDEFG
202_       :000000
```

```
ALOW (005) :BCDEFG
20X_       :000000
```

```
ALOW (001) :BCDEFG
202        :000100
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS
MMC 702 TOLL DENY TABLE
MMC 704 ASSIGN WILD CHARACTER

704 ASSIGN WILD CHARACTER

Provides flexibility to toll restriction(call barring) 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 needed.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 704
Display shows
2. Press Volume button to select X, Y, or Z(e.g., Z) and press Right Soft button to advance cursor to option line
3. Press Volume button to move cursor to option digit desired(e.g., 5) and enter 1(put under other digits as required)
Press Left Soft button to return to step 2
OR
Press Right Soft button to return to step 1
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
:0123456789*#
X:111111111111
```

```
:0123456789*#
Z:000000000000
```

```
:0123456789*#
Z:000001000000
```

DEFAULT DATA

X ENTRIES SET TO 1
OTHER ENTRIES SET TO 0

RELATED ITEMS

MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE

705 ASSIGN SYSTEM SPEED DIAL

Enables the assignment of system speed dialling numbers. There are up to 500 entries available for programming(see MMC 606). Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialled. These dialled digits may consist of 0-9, and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance 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)
ANS/RLS	Used to save the speed dial number and name to the MMC 728 CID translation table.

ACTION

DISPLAY

1. Press Transfer button and enter 705
Display shows
2. Dial speed index desired(e.g., 505)
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter access code(e.g., 9/701) plus the phone number up to 24 digits(digits will scroll under) and press Right Soft button to return to step 2
4. Press F key to toggle to MMC 706 step 3 to enter name

```
SYS SPEED DIAL
500:
```

```
SYS SPEED DIAL
505: _
```

```
SYS SPEED DIAL
505:9 121223456789
```

```
SYS SPEED NAME
505: _
```

5. If you want to save the speed dial number and name data to the MMC 728 CID translation table, Press ANS/RLS button and dial 1 for YES.
(The speed dial name must be exist)
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
SYS SPEED DIAL
ADD CLI XLT ?NO
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 606 ASSIGN SPEED BLOCK
MMC 706 SYSTEM SPEED DIAL BY NAME
MMC 728 CLIP NAME TRANSLATION

706 SYSTEM SPEED DIAL BY NAME

Allows an 11-character name to be entered for each system speed dial location. This name enables the speed dial number to be located when using the directory dial feature. The directory dial feature allows the display phone 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 the number '7' four 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 A button changes the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
TRANSFER	Used to exit MMC
ANS/RLS	Used to save the speed dial number and name to the MMC 728 CID translation table.

ACTION**DISPLAY**

- | | |
|--|---|
| <p>1. Press Transfer button and enter 706
Display shows</p> | <pre>SYS SPEED NAME 505: _</pre> |
| <p>2. Dial system speed entry number(e.g., 505)
OR
Press Volume button to select entry number and
press Right Soft button to move cursor</p> | <pre>SYS SPEED NAME 505: _</pre> |
| <p>3. Enter name using dial keypad and above table
and press Right Soft button to return to step 2
OR
Press the F key to toggle to speed dial number
to return to MMC 705, step 3</p> | <pre>SYS SPEED NAME 505: TELECOMS_</pre> |
| <p>4. If you want to save the speed dial number and
name data to the MMC 728 CLI translation
table, Press ANS/RLS button
and dial 1 for YES.
(The speed dial number must be exist)</p> | <pre>SYS SPEED DIAL 505: _</pre> |
| <p>5. Press Right Soft button to return to step 2 above
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC</p> | <pre>SYS SPEED NAME ADD CLI XLT ?NO</pre> |

DEFAULT DATA

NO NAMES

RELATED ITEMS

MMC 606 ASSIGN SPEED BLOCK
MMC 705 ASSIGN SYSTEM SPEED DIAL
MMC 728 CLIP NAME TRANSLATION

707 AUTHORIZATION CODE

Enables the authorization feature on a per-class of service selection. There are 500 available entries. Authorization codes can be up to 4 to 10 digits.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 707
Display shows
2. Dial code index number(e.g., 005)
OR
Press Volume button to selected index number and press Right Soft button to move cursor
3. Enter authorization code(minimum of four digits and a maximum of 10 digits via dial keypad (e.g., 1234567890) and press Right Soft button to move cursor
4. Enter class of service number 01-30(e.g., 05)
OR
Press Volume button to select COS and press Right Soft button to select and return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AUTHOR.CODE (001)
                C:01
```

```
AUTHOR.CODE (005)
                C:01
```

```
AUTHOR.CODE (005)
1234567890_ C:01
```

```
AUTHOR.CODE (005)
1234567890 C:05
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 305 ASSIGN FORCED CODE

708 ACCOUNT CODE

Enables the account code entry feature. There are 999 available entries.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 708
Display shows
2. Dial code index number(e.g., 005)
OR
Press Volume button to selected index number
and press Right Soft button to move cursor
3. Enter account code(maximum 12 digits) via
dial keypad(e.g., 1234)
and press Right Soft button to move cursor
back to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

ACCOUNT CODE

001 :

ACCOUNT CODE

005 :

ACCOUNT CODE

005 : 1234

DEFAULT DATA

NONE

RELATED ITEMS

MMC 305 ASSIGN FORCED CODE

709 TOLL PASS CODE/SPECIAL CODE TABLE

This MMC provides a means to program three trunk code tables as described below.

PBX CODE	This table contains up to five entries and is used to identify the trunk access codes needed for toll restriction to be properly applied when the system is used either behind a PBX or with CENTREX-supplied dial tone. Toll restriction will only be applied on trunks flagged as PBX in MMC 401 if a trunk access code entered in this table is dialed. Toll restriction will be applied to the digits following the trunk access code.
SPECIAL CODE	This table identifies to the system dialling rules the special feature codes used 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.
TOLL OVERRIDE	This table of eight entries is used to identify to the system numbers that will bypass all dialling restrictions. This bypass includes Toll restriction, Trunk access and forced authorization or account codes. Each entry in the table can be up to 14 digits long.
OVRD USE TRK GRP	This entry designates the trunk group that toll override calls will access.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 709
Display shows
2. Select PBX , SPECIAL CODE, TOLL OVERRIDE or OVRD USE TRK GRP
OR
Press Volume button to make selection and press Right Soft button to move cursor

DISPLAY

PBX ACCESS CODE

1:

TOLL OVERRIDE

1:

3. Enter index number(e.g., 3)
OR
Press Volume button to make selection and
press Right Soft button to move cursor
4. Enter via dial keypad the desired access/
feature code(e.g., 911)
Press Right Soft button to enter and return
to step 3 and enter more entries
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
TOLL OVERRIDE
```

```
3: _
```

```
TOLL OVERRIDE
```

```
3:911
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 401 PBX TRUNK
MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE
MMC 305 FORCED CODES
TOLL RESTRICTION

710 LCR DIGIT TABLE

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 2000 with a digit string length of 10 numerical digits. This system automatically maintains entered digit strings in numerical order. The characters * and # are also accepted for use with feature codes.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

DISPLAY

1. Press Transfer button and enter 710
Display shows
2. Dial LCR entry(e.g., 0005)
OR
Press Volume button to select entry and press Right Soft button to move cursor
3. Enter LCR digit string via the dial keypad and press Right Soft button
OR
Press Left Soft button to return to step 1
4. Enter digit length(max : 31)
Cursor will move to RT(route selection)
5. Enter RT(01-32)
Valid entry will return you to step 1
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
LCR DIGIT (0001)
DIGIT:
```

```
LCR DIGIT (0005)
DIGIT: _
```

```
LCR DIGIT (0005)
DIGIT:305426
```

```
LCR DIGIT (0005)
LENGTH:10 RT:01
```

```
LCR DIGIT (0005)
LENGTH:10 RT:01
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 712 LCR ROUTE TABLE

711 LCR TIME TABLE

This table gives the flexibility to 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 period is the end time of the previous time period.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

DISPLAY

- | | |
|---|--|
| <p>1. Press Transfer button and enter 711
Display shows</p> | <p>LCR TIME (SUN:A)
HHMM: LCRT:-</p> |
| <p>2. Dial day of week(SUN-SAT, e.g., WED)
OR
Press Volume button to make day selection and press Right Soft button</p> | <p>LCR TIME (WED:A)
HHMM: LCRT:-</p> |
| <p>3. Dial time band(A-D, e.g., B)
OR
Press Volume button to make selection and press Right Soft button</p> | <p>LCR TIME (WED:B)
HHMM: LCRT:-</p> |
| <p>4. Dial time via keypad(24-hour format, e.g., 0800)
Cursor moves to LCRT(reference MMC 712)</p> | <p>LCR TIME (WED:B)
HHMM:0800 LCRT:-</p> |
| <p>5. Dial time table number(1-4)
OR
Press Volume button to make selection and press Right Soft button</p> | <p>LCR TIME (WED:B)
HHMM:0800 LCRT:1</p> |
| <p>6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC</p> | |

DEFAULT DATA

NONE

RELATED ITEMS

MMC 712 LCR ROUTE TABLE

712 LCR ROUTE TABLE

The LCR ROUTE TABLE is responsible for selecting 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 you dial a valid digit string, the system uses the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum number of 32 routes available. If more than one trunk group is available for call completion, the system uses the first designated trunk group and then starts to utilise succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 712
Display shows
2. Dial LCR ROUTE table number(e.g., 05)
OR
Press Volume button to selected table and press Right Soft button to move cursor
3. Dial TIME BAND index number 1-4(e.g., 2)
OR
Press Volume button to selected index and press Right Soft button to move cursor
4. Dial LCR COS number 1-8(e.g., 4)
OR
Press Volume button to selected COS and press Right Soft button to move cursor
5. Dial TRUNK GROUP access code(e.g., 801)
OR
Press Volume button to selected access code and press Right Soft button to move cursor

DISPLAY

```
LCR ROUTE (01:1)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:1)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:4 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:4 G:801 M:---
```

6. Dial MODIFY DIGITS index number(e.g., 050)
OR

Press Volume button to selected index number
and press Right Soft button to move cursor

OR

Press Right Soft button to skip step and move
cursor to step 2

```
LCR ROUTE (05:2)
C:4 G:801 M:050
```

```
LCR ROUTE (05:2)
C:4 G:801 M:---
```

7. Press Transfer button and enter to exit

OR

Press Speaker button to advance 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

713 LCR MODIFY DIGIT TABLE

This program entry is also referred to as Outgoing dial 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 1010288. 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. There are 200 modify digit entries available.

OPTION	MAXIMUM NUMBER OF DIGIT ENTRIES
Number of digits to delete	15
Insert(before dialling string)	14
Append(after dialling string)	14

DIGIT STRING KEY

Insert String+Digit String(delete)+Append String

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 713
Display shows
2. Enter index number(e.g., 005)
OR
Press Volume buttons to make selection and press Right Soft button to move cursor
3. Enter number of digits to delete
OR
Press Right Soft button to skip step and move cursor to next step

DISPLAY

```
LCR MODIFY (001)
NOF DEL DGT:00
```

```
LCR MODIFY (005)
NOF DEL DGT:00
```

```
LCR MODIFY (005)
NOF DEL DGT:01
```


4. Enter digits to be inserted(e.g., 10288)
OR
Press Right Soft button to skip step or to store information and advance to next step
5. Enter digits to be appended(e.g., 45678)
OR
Press Right Soft button to skip step or to store information and return to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
LCR MODIFY (005)
I:10288_
```

```
LCR MODIFY (005)
A: _
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 710 LCR DIGIT TABLE

714 DID NUMBER AND NAME TRANSLATION

Assigns an incoming DID call to a specific ring plan destination. It also provides a call waiting option, if needed, so that a second incoming DID call can be received. The table is also used to define which MOH source a caller to that DID number will hear when placed on hold. An 11 character name can be added to the number. There are a maximum of 999 entries. If there is no matching number on DID service the call is routed to the operator group.

Definitions of option are as follows :

DGT : Digits to be received from Trunk line Up to 16 digits may be entered.

MOH SOURCE : Allows the technician to select what the calling party will hear in regards to that DID/DNIS number if the call is placed on hold. There are a total of 6 possible music selections(see below).

NONE : Follows the setting in MMC 408 for the trunk the call comes in on.

TONE : A repeated tone is played to the outside party.

INTERNAL CHIME 'OLD FOLKS AT HOME' : This is entered as the directory number of the music source on the MCP2(371).

EXTERNAL DEVICE : Music Source or Digital announcer. This is entered as the directory number of an external music source.

DIGITAL ANNOUNCEMENT ON AA CARD : This is entered as the directory number of the last AA port of an AA card. For further details on using an AA port as an MOH source please see MMC 736.

VOICE MAIL SOUND FILE : If the system has an optional SVMi card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for MOH sources. Select the SVMi port assigned in MMC 756. For information on creating the sound files see SVMi System Administrator Manual-Recording greeting by number. If you select this option be advised that each VMMOH source requires a dedicated SVMi port/channel.

1 : XXX, 2 : XXX, 3 : XXX, 4 : XXX, 5 : XXX, 6 :XXX=ring plan and destination during each ring plan. The destination can be a station, station group, trunk or trunk group. If trunk or trunk group is selected the trunks must be programmed as E&M trunks to allow the received digits to be re-sent on the facility(s). This is referred to as DID Repeat digits over tie line.



An entry of the character 'B' means to repeat the received digits.

CW : Call waiting Yes/No . Allow a second DID call to be received

MC : The number of maximum call count. When this sets 99, this feature will not works. When this sets 0, if a call comes that matched DID digits and DGT field then the system will be reject call. When this sets between 1 to 98, if a call comes that matched DID digits and DGT field then the system counts same DID digits call, and in case of the count is same or higher than this value, the system sends busy signal to caller.

DC : The number of digits to delete. This is useful with Tandem switching, mixed numbering plans and DID Repeat digits over tie line. Maximum number of digits that can be deleted is 16.

NAME : Input up to 11 characters to identify call.

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' four times to get the letter 'S.' Press '2' once to get 'A.' Continue selecting characters from the table below to complete your message. Pressing A button changes the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

DISPLAY

- | | |
|---|--|
| <p>1. Press Transfer button and enter 714
Display shows</p> | <pre>DID DIGIT (001) DGT:</pre> |
| <p>2. Enter valid index number(e.g., 005) via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor</p> | <pre>DID DIGIT (005) DGT: _</pre> |
| <p>3. Enter digits to be translated(e.g., 5065) via dial keypad and press Right Soft button to move cursor</p> | <pre>DID DIGIT (005) DGT: 506<u>5</u></pre> |
| <p>4. Enter the MOH source for this entry.
OR
Press Volume button to select option and press Right Soft button to return to step 3 above</p> | <pre>DID DIGIT (005) MOH SOURCE :<u>N</u>ONE</pre> |
| <p>5. Enter station or group number for each Ring Plan destination via dial keypad.(e.g., 530)
OR
Press Volume button to make selection and press Right Soft button to advance next step.</p> | <pre>DID DIGIT (005) 1: 53<u>0</u> 2:</pre> |
| <p>6. Enter call wait option via dial keypad.
(1 for YES, 0 for NO)
OR
Press Volume button to make selection and press Right Soft button to advance next step.</p> | <pre>DID DIGIT (005) CW: <u>N</u> MC: 99 DC: 0</pre> |

7. Enter maximum call count via dial keypad.
(00-99)
OR
Press Volume button to make selection and press
Right Soft button to advance next step.
8. Enter number or delete digit via dial keypad.
(0-16)
OR
Press Volume button to make selection and
press Right Soft button to advance next step.
9. Enter the name via dial keypad and press RIGHT
Soft button to return to Step 1,
10. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
DID DIGIT (005)
CW:N MC:99 DC:0
```

```
DID DIGIT (005)
CW:N MC:99 DC:0
```

```
DID DIGIT (005)
NAME : _
```

DEFAULT DATA

INDEX	DIGIT	1-6	CW	MC	DC	NAME
001	2***	B	N	99	0	NONE
002	3***	B	N	99	0	NONE
003	5***	B	N	99	0	NONE
004	8***	B	N	99	0	NONE

RELATED ITEMS

TRUNK PROGRAMMING

715 PROGRAMMED STATION MESSAGE

Allows custom messages to be programmed or default messages to be changed.

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' four times to get the letter 'S.' Now press the number '8' twice to get the letter 'U.' Continue selecting characters from the table below to complete your message. Pressing the A button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right or the Volume Down button to move the cursor to the left. A space can be entered by using these keys.

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 *	:	=	[]	*

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

There are 15 messages in the system.

MESSAGES 01-10 are 16 character pre-programmed default messages. Any of them can be changed.

MESSAGES 11-15 are 16 character blank messages that can be created.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Toggles from upper case to lower case

ACTION

1. Press Transfer button and enter 715
Display shows
2. Enter index number(e.g., 11)
OR
Press Volume button arrow to make selection
Press Right Soft button to move cursor
3. Enter message via dial keypad using the above table(maximum 16 characters)
Use A button to toggle upper case/lower case
Press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
PGM.MESSAGE (01)
GIVE ME THE CALL
```

```
PGM.MESSAGE (11)
_Blank Message
```

```
PGM.MESSAGE (11)
SunBathing
```

DEFAULT DATA

TEN PROGRAMMED MESSAGES AS DETAILED BELOW

01. GIVE ME THE CALL
02. TAKE A MESSAGE
03. ASK THEM TO HOLD
04. SEND TO MY VM
05. TRANSFER TO MY SECY
06. LEAVE A MESSAGE
07. PAGE ME
08. OUT OF TOWN
09. IN A MEETING
10. I WILL CALL BACK

RELATED ITEMS

MMC 115 SET PROGRAMMED MESSAGE

716 UK LCR OPTIONS

This MMC provides U.K. LCR options as described below.

0	NETWORK CODE	This table is used to network access code when the call is routed to the secondary network. This table contains up to 16 entries. Each code has 4 digits maximum in length and use option for None, CCC, PIN or Both.(Default : all codes are empty and all use options are none) 0 NONE This code doesn't use. 1 CCC This code uses with Call Cast Code(CCC). 2 PIN This code uses with PIN Code. 3 BOTH This code uses with PIN code and Call Cast Code.
1	PIN CODE	This table is used to PIN code when the call is routed to the secondary network. This table contains up to 4 entries and each code has 10 digits maximum in length.(Default : all tables are empty)
2	CCC OPTION	This is used to which number used for Call Cost Code. (Default : Station Number) 0 STATION NUMBER Station number uses for Call Cost Code. 1 NONE Doesn't use Call Cost Code.
3	STATION PIN NO.	This is assigned to PIN code table number for each station number. (Default : all stations are 1)



This MMC is available in Australia, New Zealand and U.K. only

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 716
Display shows
2. Enter option number(0-3) via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor
3. Enter entry number(01-16) via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor
4. Enter network access code via dial keypad
and press Right Soft button to move cursor
5. Enter use option number(0-3) via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to save and return step 3.
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
NETWORK CODE
01: USE:NONE
```

```
NETWORK CODE
01: USE:NONE
```

```
NETWORK CODE
01:_ USE:NONE
```

```
NETWORK CODE
01:1234 USE:NONE
```

```
NETWORK CODE
01:1234 USE:CCC
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 400 TENANT ON/OFF PER TRUNK
 MMC 310 LCR CLASS OF SERVICE
 MMC 710 LCR DIGIT TABLE
 MMC 711 LCR TIME TABLE
 MMC 712 LCR ROUTE TABLE
 MMC 713 LCR MODIFY DIGIT TABLE

717 UCD AGENT ID

This MMC defines UCD agent ID number or PIN numbers. These numbers are used to log UCD agents into the UCD groups. There are 300 available entries on L system and 100 available entries on M system. Each entry is tied to a specific UCD group. Agent ID codes can be up to 4 digits long.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Moves cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 717
Display shows
2. Dial code index number(e.g., 005)
OR
Press Volume buttons to select index number and press Right Soft button to move cursor
3. Enter ID code via dial keypad(e.g., 1234) and press Right Soft button to move cursor
4. Enter group number(e.g., 505)
OR
Press Volume button to select group and press Right Soft button to select and return to step 2
OR
Press ANS/RLS button for all
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AGENT PIN (001)
ID:      GRP:NONE
```

```
AGENT PIN (005)
ID:_     GRP:NONE
```

```
AGENT PIN (005)
ID:1234 GRP:NONE
```

```
AGENT PIN (005)
ID:1234 GRP:505
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 607 UCD OPTIONS

718 MY AREA CODE

This MMC defines the home area code and country code. This information is used for caller ID and ISDN calls in defining the area code on incoming calls. This MMC removes the local area code to allow callback without digit modifications in LCR.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Moves cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 718
Display shows
2. Enter 0 for COUNTRY or 1 for AREA.
OR
Press Volume buttons to make selection and press Right Soft button to move cursor
3. Enter area code(maximum 4 digits) via dial keypad(e.g., 2) and press Right Soft button to move cursor back to step 2.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
MY AREA CODE
AREA :
```

```
MY AREA CODE
AREA :
```

```
MY AREA CODE
AREA :2
```

DEFAULT DATA

NONE

RELATED ITEMS

TRUNK PROGRAMMING

719 IDLE DISPLAY

This program allows you to enter guidance data to be displayed on large LCD phones.

Use dial buttons to enter guidance data in English. Press a dial to display characters below on LCD depending on the number of pressing the same dial. Press another dial to save the displayed characters and move the cursor to the next character. Press [A] to change uppercase/lowercase input modes.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right or the Volume Down button to move the cursor to the left. A space can be entered by using these keys.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Moves cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 719
Display shows
2. Press the location of the line of a large LCD phone(01~12) on which guidance data is to be displayed.
OR
Press Volume button to make selection and press the Right Soft button to move cursor.
3. Enter guidance data via dial keypad and press the Right Soft button to save and move to step 2.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

IDLE DISPLAY (01)

IDLE DISPLAY (02)

IDLE DISPLAY (02)
WELCOME TO ABC

DEFAULT DATA

NONE

RELATED ITEMS

MMC 120 LARGE LCD OPTION

720 COPY KEY PROGRAMMING

Provides a tool for duplicating key assignment from one phone 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 the original and target phones must be of the same type(e.g., same number of buttons).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Moves cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 720
Display shows
2. Enter the station number to copy t(e.g., 205)
OR
Press Volume buttons to make selection and press Right Soft button to move cursor
OR
Press ANS/RLS button for select all station.
3. Enter station number to copy from(e.g., 203)
and cursor returns to step 2
OR
Press Volume buttons to make selection and press Right Soft button to return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] COPY KEY
FROM:NONE
```

```
[205] COPY KEY
FROM:NONE
```

```
[205] COPY KEY
FROM: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

721 SAVE STATION KEY PROGRAMMING

Provides a service tool which will minimize the accidental loss of programmable buttons on the phones. 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.



This program uses carefully. Because key programming data save to common key programming database. When new phone connect, system copy from common key programming database to new phone key programming database.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 721
Display shows
2. Enter desired station number(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button
3. Press Volume button to make function selection and press Right Soft button to enter and return to step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] SAVE KEY
RESTORE
```

```
[205] SAVE KEY
RESTORE
```

```
[205] SAVE KEY
SAVE
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 107 KEY EXTENDER
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING

722 STATION KEY PROGRAMMING

Allows the customizing of programmable buttons on specific electronic phones, AOM, or 64 button module on the system. For phones, buttons 1 and 2 are set as CALL buttons by default. For AOM's and 64 button DSS box'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 Volume button to change the selection from BARGE to BOSS.

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AAPLAY	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GCONF	HDSET	IG	
DIAL 5	LANREQ	LANREQ	LANREQ	
DIAL 6	MCID	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TG	UA	VDIAL	
DIAL 9	WAKEUP	XCHIN	WAKEUP	WAKEUP

Programmable button Assignments :

FEATURE : DESCRIPTION

AAPLAY : AUTO ATTENDANT PLAY(Requires AA card)

AAREC : AUTO ATTENDANT RECORD(Requires AA card)

AB : ABSENCE

ABAND : ABANDONED CALL

ABW : AGENT BUSY/WRAP UP

ACC : ACCOUNT

ALARM : ALARM

AN/RLS : ANSWER/RELEASE

BARGE : BARGE-IN

BILL : BILL(Related to Hotel/Motel Features)

BLOCK : OHVA BLOCK

BOOTH : BOOTH(Related to Hotel/Motel Features)

BOSS : BOSS/SECRETARY

CAD : CALL ACTIVITY DISPLAY

CALL : CALL BUTTON

CAMP : STATION CAMP-ON
CANMG : MESSAGE CANCEL
CBK : CALLBACK
CHIN : CHECK IN(Related to Hotel/Motel Features)
CHOUT : CHECK OUT (Related to Hotel/Motel Features)
CHOICE : CHOICE(Related to News Server)
CLIP : CALLER ID
CONF : CONFERENCE
CONP : CONNECTED NAME DISPLAY
CR : CALL RECORD(Requires SVMi card)
CREDIT : CREDIT(Related to Hotel/Motel Features)
CS : CALL STATUS
CSNR : CALLER ID SAVE NUMBER REDIAL
DGPALM : EASY ALARM SET TO REMOTE STATION
DICT : DICTATION
DIR : DIRECTORY
DIVERT : EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK : DOOR LOCK
DND : DO NOT DISTURB
DNDO : DO NOT DISTURB OVERRIDE
DP : DIRECT PICKUP
DROP : CALL DROP
DS : DSS KEY
DT : DTS KEY
EP : ESTABLISHED CALL PICKUP
EXTMIC : EXTERNAL MIC
FAUTO : FORCED AUTO ANSWER
FLASH : FLASH
FWRD : CALL FORWARD
GCONF : GROUP CONFERENCE
GPIK : GROUP PICKUP
HDSET : HEADSET MODE
HLDPK : HOLD PICKUP
HOLD : HOLD
HOTEL : HOTEL(Related to Hotel/Motel Features)
IG : IN/OUT GROUP
INFDSP : INFORMATION DISPLAY(Requires News/Call Plus)
INQUIRE : INQUIRE
ISPY : CID SPY
LANREQ : LAN REQUEST
LCR : LEAST COST ROUTING
LISTN : GROUP LISTENING
LNR : LAST NUMBER REDIAL

LOG : CALL LOGGING
MCID : MALICIOUS CALL ID
MMPA : MEET ME PAGE ANSWER
MMPG : MEET ME PAGE
MS : MANUAL SIGNALING
MSG : MESSAGE
MUTE : MUTE
MW : MESSAGE WAIT
NEW : NEW CALL
NND : NAME NUMBER DATE
NOCLIP : NO CID SEND
NXT : CID NEXT
OHVA : OFF-HOOK VOICE ANNOUNCE
OPER : OPERATOR
PAGE : PAGE
PAGPK : PICKUP PAGE HOLD
PARK : CALL PARK ORBIT
PAUSE : PAUSE
PMSG : PROGRAMMED STATION MESSAGE
PRB : PRIVACY RELEASE AND BRIDGE
PROG : SET PROGRAM
PTHR : PATH REPLACEMENT
RB : ROOM BILL(Related to Hotel/Motel Features)
REJECT : OHVA REJECT
RETRY : AUTO REDIAL ON BUSY
RE VW : REVIEW
RP : RING PLAN
RSV : ROOM STATUS VIEW(Related to Hotel/Motel Features)
RTO : RING PLAN TIME OVERRIDE
SETDND : SET DO NOT DISTURB
SETMG : SET MESSAGE W/O RING
SG : STATION GROUP
SLOCAT : STAFF LOCATOR(Related to Hotel/Motel Features)
SNR : SAVED NUMBER REDIAL
SP : UCD SUPERVISOR
SPD : SPEED DIAL
SPKR : SPEAKER
STATE : SET EXECUTIVE STATE
STORE : STORE DISPLAYED NUMBER
SYSALM : SYSTEM ALARMS
TG : TRUNK GROUP
TIMER : TIMER
TRARPT : TRAFFIC REPORT

TRSF : TRANSFER
 UA : UNIVERSAL ANSWER
 VDIAL : VOICE DIAL(Requires VDIAL card)
 VG : VMS GROUP MESSAGE(Requires SVM-800)
 VM : VOICE MAIL MEMO(Requires SVMi card)
 VMADM : VOICE MAIL ADMINISTRATION(Requires SVMi card)
 VMAME : ANSWER MACHINE EMULATION(Requires SVMi card)
 VMMSG : VOICE MAIL MESSAGE KEY(Requires SVMi card)
 VMSCMT : VMS COMMENT(Requires SVM-800)
 VMSMSG : VMS MESSAGE(Requires SVM-800)
 VMSOUT : VMS OUT CALL(Requires SVM-800)
 VMSREC : VMS RECORD(Requires SVM-800)
 VMSVAC : VMS VACANT(Requires SVM-800)
 VREC : VOICE RECORD(Requires VDIAL card)
 VT : VOICEMAIL TRANSFER
 WAKEUP : WAKE UP(Related to Hotel/Motel Features)
 XCHIN : EXPRESS CHECK IN(Related to Hotel/Motel Features)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 722
Display shows
2. Enter selected station number(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor
3. Enter selected key number(e.g., 18)
OR
Press Volume button to select key number and
press Right Soft button to move cursor

DISPLAY

```
[201] KEY (MAST)
01:CALL1→
```

```
[205] KEY (MAST)
01:CALL1→
```

```
[201] KEY (MAST)
18:NONE→
```

4. Using above chart, press dial pad key number to make selection

```
[201] KEY PROG.
```

```
18:NONE→GPIK_
```

OR

Press Volume button to make selection and press Right Soft button to advance cursor to step 5 to enter extender if required or to return to step 2

5. If required, enter extender(e.g.,03)

```
[201] KEY PROG.
```

```
18:NONE→GPIK03
```

OR

Press Volume button to make selection and press Right Soft button to return to step 2

6. Press Transfer button and enter to exit

OR

Press Speaker button to advance next MMC

DEFAULT DATA

RELATED ITEMS

MMC 107 KEY EXTENDER

MMC 720 COPY KEY PROGRAMMING

MMC 721 SAVE STATION KEY PROGRAMMING

723 SYSTEM KEY PROGRAMMING

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 the dial keypad by pressing numbers as shown in the table. 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 Volume button to change selection from BARGE to BOSS.

TYPE OF PHONE

00	24 BTN SETS
01	12 BTN SETS
03	6 BTN SETS
05	48/64B AOMS
06	20 BTN SETS
07	28 BTN SETS
08	18 BTN SETS
09	8 BTN SETS
10	99 BTN SETS
11	38 BTN SETS
12	21 BTN SETS
13	14 BTN SETS

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AAPLAY	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GCONF	HDSET	IG	
DIAL 5	LANREQ	LANREQ	LANREQ	
DIAL 6	MCID	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TG	UA	VDIAL	
DIAL 9	WAKEUP	XCHIN	WAKEUP	WAKEUP

See Programmable button Assignments on MMC 722.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 723
Display shows
2. Enter type of set via dial keypad(e.g.,1)
OR
Press Volume button to make selection and press Right Soft button
3. Enter key number(e.g., 03)
OR
Press Volume button to make selection and press Right Soft button
4. Using table above, press dial keypad number to make selection
OR
Press Volume button to make selection and press Right Soft button to advance cursor to step 5 to enter extender, if required
OR
Press Left Soft button to return to step 3
5. If required, enter extender(e.g.,03)
OR
Press Volume button to make selection and press Right Soft button to return to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
TYPE:24 BTN SETS
01:CALL1→
```

```
TYPE:12 BTN SETS
01:CALL1→
```

```
TYPE:12 BTN SETS
03:NONE→
```

```
TYPE:12 BTN SETS
03:NONE→GPIK
```

```
TYPE:12 BTN SETS
03:GPIK→GPIK03
```

DEFAULT DATA

RELATED ITEMS

MMC 107 KEY EXTENDER
MMC 720 COPY KEY PROGRAMMING
MMC 721 SAVE STATION KEY PROGRAMMING

724 DIAL NUMBERING PLAN

This MMC allows the technician to change directory numbers for stations, trunks, station groups, trunk groups and feature access codes. The system can be pre-programmed with a default three or four digit numbering for station, station groups and trunk numbers depending on the position of the DIP switches on the MCP2 card. There is an error message provided to prevent the accidental duplication of a directory number or feature access code.

00	STN DIAL NO.	This is where station directory numbers are changed or assigned. Default : 201-2xx, 3xx(last 319) or 2001-2xxx
01	TRK DIAL NO.	This is where trunk directory numbers are changed or assigned. Default : 701-7xx or 7001-7xxx
02	AAVD DIAL NO	This is where AA port or Voice Dial port directory numbers are changed or assigned. Default : AA ports : 3951-39xx VD ports : 3981-398x
03	MISC DIAL NO.	This is where directory numbers for relays, MOH ports and the alarm sensor are changed or assigned. Default : Internal CHIME : 371 Internal MODEM : 3999 External MOH : 372-377 External PAGE & Relay : 361-369 Common Bell Relay : 3991-3993 Loud Bell Relay : 3995-3997
04	STNG DIAL NUMBER	This is where station group numbers are changed or assigned. Default : 500-5xx or 5001-5xxx
05	TRKG DIAL NUMBER	This is where trunk group numbers are changed or assigned. Default : The first is 9 or 0, 800-828
06	FEAT DIAL NUMBER	This is where feature access codes are changed or assigned. Dialling 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.
07	S0 STN DIAL NO.	This is where directory numbers for BRI station ports mapping terminal number. Default : 8701-8748
08	DECT STN DIAL NO	This is where directory numbers for DECT terminals. Default : 8801-8899
09	NTWK LCR DIAL NO	This is where additional LCR access codes are entered in the case when two or more OfficeServ 500 system are networked together. Default : NONE

10	VIRT EXT DIAL NO	This is where virtual station directory numbers are changed or assigned. Default : SLT : 3501-3546, DGP : 3401-3480
11	MGI DIAL NO.	This is where MGI port directory numbers are changed or assigned. Default : 3801-38xx
12	IP STN DIAL NO.	This is where IP-based station directory numbers are changed or assigned. Default : 3201-3299
13	MOBILE DIAL NO.	This is where wireless IP-based station directory numbers are changed or assigned. Default : 3301-3348
14	VOIP NET DIAL NO	This is where Samsung proprietary switch-to-switch VoIP networking trunk signalling port directory numbers are changed or assigned. Default : 8301-8380
15	H323 TRK DIAL NO	This is where VoIP H.323 trunk signalling port directory numbers are changed or assigned. Default : 8401-8480
16	SIP TRK DIAL NO	This is where VoIP SIP trunk signalling port directory numbers are changed or assigned. Default : 8501-8580

FEATURE NUMBERING DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	ABAND	BARGE	CAMP	
DIAL 3	DGPALM	DGPALM	FAUTO	
DIAL 4	GCONF	HDSET	IG	
DIAL 5	LCR	LCR	LCR	
DIAL 6	MCID	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SELFID
DIAL 8	UA	UA	VDIAL	
DIAL 9	WAKEUP	WAKEUP	WAKEUP	WAKEUP

Feature Code Assignments and Default

FEATURE	DEFAULT	DESCRIPTION
ABAND	64	ABANDONED CALL
ABS	NONE	ABSENCE
ABW	NONE	AGENT BUSY/WRAP UP
ACCT	47	ACCOUNT
ALMCLR	57	ALARM
AUTH	*	AUTHORIZATION CODE
BARGE	NONE	BARGE-IN
BILL	NONE	BILL(Related to Hotel/Motel Features)
BLOCK	NONE	OHVA BLOCK
BOSS	NONE	BOSS/SECRETARY
CAMP	45	STATION CAMP-ON
CANMG	42	MESSAGE CANCEL
CBK	44	CALLBACK
CHIN	NONE	CHECK IN(Related to Hotel/Motel Features)
CHOUT	NONE	CHECK OUT(Related to Hotel/Motel Features)
CHOICE	NONE	CHOICE(Related to News Server)
CONF	46	CONFERENCE
CONP	NONE	CONNECTED NAME DISPLAY
CR	NONE	CALL RECORD(Requires SVMi card)
CREDIT	NONE	CREDIT(Related to Hotel/Motel Features)
DGPALM	NONE	EASY ALARM SET TO REMOTE STATION
DICT	NONE	DICTATION
DIR	NONE	DIRECTORY
DIRPK	65	DIRECT PICKUP
DISALM	58	DISA ALARM CLEAR
DIVERT	NONE	EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK	13	DOOR UNLOCK
DND	40	DO NOT DISTURB
DNDO	NONE	DO NOT DISTURB OVERRIDE
FAUTO	14	FORCED AUTO ANSWER
FLASH	49	FLASH
FWD	60	CALL FORWARD
GCONF	NONE	GROUP CONFERENCE
GRPK	66	GROUP PICKUP

FEATURE	DEFAULT	DESCRIPTION
HDSET	NONE	HEADSET MODE
HLDPK	12	HOLD PICKUP
HOLD	11	HOLD
HOTEL	NONE	HOTEL(Related to Hotel/Motel Features)
IG	NONE	IN/OUT GROUP
INFDSP	NONE	INFORMATION DISPLAY(Requires News/Call Plus)
LCR	NONE	LEAST COST ROUTING
LISTN	NONE	GROUP LISTENING
LNR	19	LAST NUMBER REDIAL
LOG	NONE	CALL LOGGING
MCID	NONE	MALICIOUS CALL ID
MMPA	56	MEET ME PAGE ANSWER
MMPG	54	MEET ME PAGE
MSG	43	MESSAGE
MYGRP	NONE	MY PICKUP GROUP CALL PICKUP
NEW	NONE	NEW CALL
NOCLIP	NONE	NO CID SEND
OHVA	NONE	OFF-HOOK VOICE ANNOUNCE
OPER	0	OPERATOR
PAGE	55	PAGE
PAGPK	10	PICKUP PAGE HOLD
PARK	NONE	CALL PARK ORBIT
PMSG	48	PROGRAMMED STATION MESSAGE
PTHR	NONE	PATH REPLACEMENT
RB	NONE	ROOM BILL(Related to Hotel/Motel Features)
REJECT	NONE	OHVA REJECT
RP	NONE	RING PLAN
RSV	NONE	ROOM STATUS VIEW(Related to Hotel/Motel Features)
RTO	NONE	RING PLAN TIME OVERRIDE
SELPID	NONE	SELF SYSTEM ID
SETMG	41	SET MESSAGE W/O RING
SG	NONE	STATION GROUP
SLOCAT	NONE	STAFF LOCATOR(Related to Hotel/Motel Features)
SLTALM		EASY ALARM SET TO SELF STATION
SLTMMC	15	NORMAL PHONE PROGRAMMING

FEATURE	DEFAULT	DESCRIPTION
SNR	17	SAVED NUMBER REDIAL
SPEED	16	SPEED DIAL
SRELOC	NONE	SET RELOCATION
STATE	NONE	SET EXECUTIVE STATE
UA	NONE	UNIVERSAL ANSWER
VDIAL	681	VOICE DIAL(Requires VDIAL card)
VMADM	NONE	VOICE MAIL ADMINISTRATION(Requires SVMi card)
VMAME	NONE	ANSWER MACHINE EMULATION(Requires SVMi card)
VMMEMO	#	VOICE MAIL MEMO(Requires SVMi card)
VMMSG	NONE	VOICE MAIL MESSAGE KEY(Requires SVMi card)
VMSCMT	NONE	VMS COMMENT(Requires SVM -800)
VMSMSG	NONE	VMS MESSAGE(Requires SVM -800)
VMSOUT	NONE	VMS OUT CALL(Requires SVM -800)
VMSREC	NONE	VMS RECORD(Requires SVM -800)
VMSVAC	NONE	VMS VACANT(Requires SVM -800)
VREC	682	VOICE RECORD(Requires VDIAL card)
WAKEUP	18	WAKE UP(Related to Hotel/Motel Features)
WCOS	59	WORKING CLASS OF SERVICE

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press TRANSFER
Display shows
2. Dial option number to make selection(e. g., 06)
OR
Press Volume button to make selection and press
Right Soft button to advance cursor

DISPLAY

```
STN DIAL NUM:C1
S2-P01:201→
```

```
FEAT DIAL NUMBER
ABAND :64→
```

3. Dial first letter of feature name(e. g., 7)
AND

```
FEAT NUMBER PLAN
PAGE :55→
```

Press Volume button to make selection then
press Right Soft button to advance cursor

```
FEAT NUMBER PLAN
PARK :NONE→_
```

4. Enter digits(e.g., 63) via the dial keypad

```
FEAT NUMBER PLAN
PARK :NONE→63
```

5. Press Right Soft button to enter change and
continue to make changes

```
FEAT NUMBER PLAN
PARK :NONE→63
```

If an 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
```

6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

SEE DESCRIPTION
FEATURE CODES ARE DEPEND ON COUNTRY

RELATED ITEMS

ALL

725 SMDR OPTIONS

Allows the system administrator to select the information printed on the SMDR report. The following options may be selected to print on SMDR :

	OPTIONS	DEFAULT	DESCRIPTION
00	PAGE HEADER	YES	This option determines whether a page header will print at the top of each page. This would normally be turned off if SMDR is being sent to a Call Accounting machine.
01	LINE PER PAGE	60	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.
02	INCOMING CALL	NO	This option determines whether incoming calls will print on SMDR.
03	OUTGOING CALL	YES	This option determines whether outgoing calls will print on SMDR.
04	AUTHORIZE CODE	NO	This option determines whether authorization codes will print on SMDR. If this option is set to NO, system make AUTH field to '****' on SMDR.
05	SMDR START TIME	YES	This option determines whether valid calls will include the minimum call time in total call duration.
06	IN/OUT GROUP	NO	This option allows a message, IN GROUP or OUT GROUP, to be printed in the digits dialled column each time a station enters or leaves a group.
07	DND CALL	NO	This option allows a message, IN DND or OUT DND, to be printed in the digits dialled column each time a station enters or leaves DND.
08	WAKE-UP CALL	YES	This option determines whether stations receiving an alarm reminder call will print on SMDR.
09	DIRECTORY NAME	NONE	This option allows the system administrator to enter a 16 character name which will appear on the SMDR header.
10	CALLER ID DATA	YES	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.
11	ABANDON CALL	YES	If this option is set to YES, unanswered calls for which CID information was received will print on SMDR.
13	NO. OF DIAL MASK	0	If this option is set to a numeric value, the selected last digits of the number dialled field will be masked as asterisks (*) on the SMDR print out. Maximum masked digits is 18. First 4 digits will not mask.

	OPTIONS	DEFAULT	DESCRIPTION
15	INCOMING ANSWER	NO	If this option is set to YES, the duration of calls ringing before answered will print on SMDR.
16	INTERCOM CALL	NO	This option determines whether intercom calls will print on SMDR.
17	KEY MMC IN/OUT	NO	If set to YES then the SMDR record will show programming being opened and closed in MMC 200 and MMC 800.
20	HOTEL PAGE FEED	END	This option determines where the page feed is inserted on HM REPT.(Hotel/Model Enabled Only)
21	HOTEL START LINE	0	This option determines that the number of empty lines per each page on HM REPT.(Hotel/Model Enabled Only)
23	DID NUM/NAME	YES	If this option is set to YES, received DID information will print on SMDR.
24	ITP REGISTRATION	NO	If set to YES then the SMDR record will show IP-based station to system connect and disconnect.
25	SET RELOCATION	NO	If set to YES then the SMDR record will show set relocated information.

Names are written using the keypad. Each press of a key selects a character. Pressing the next key moves 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 once to get the letter A. Continue selecting characters from the table below to complete your message. Pressing A button changes the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Right Soft button to move the cursor to the right.

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

COUNT	1	2	3	4	5
DIAL 9	W	X	Y	Z	9
DIAL *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
A	Acts as toggle between upper case and lower case

ACTION

- Press Transfer button and enter 725
Display shows
- Dial the option number(e.g., 01)
OR
Use the Volume buttons to scroll through the options and press the Right Soft button to select an option
- Enter the option data.
OR
Use the Volume buttons to press the RIGHT Soft button to save the data and return to step 2
- press TRANSFER to exit
OR
Press Speaker button to exit and advance to next MMC

DISPLAY

PAGE HEADER
PRINT: YES

LINE PER PAGE
60 LINE/PAGE

LINE PER PAGE
50 LINE/PAGE

LINE PER PAGE
50 LINE/PAGE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

MMC 300 CUSTOMER ON/OFF PER STATION

726 VM/AA OPTIONS

This MMC is used to define all the in band DTMF codes sent to voice mail ports. These in band codes can be 0-9, A, B or C, and performed two functions.

CALL AND TYPE INFORMATION

This is a DTMF signaling string sent to a voice mail port when the voice mail port answers a call. This DTMF information tells the voice mail port what type of call it is receiving and where the call is coming from. e.g., call has forwarded from extension 225

CALL PROGRESS TONES

These are sent to the voice mail system to provide information about the progress of the call. e.g., ring back, busy or disconnect.

Most Voice Mail systems can utilize DTMF in band signaling for more efficient call processing. This MMC has many parameters that can be programmed according to the type of automated attendant and/or voice mail system connected.

CALL and TYPE INFORMATION

The format of the DTMF data sent to a VM/AA port is as follows :
[CALL TYPE] + [DN1] + [SEPARATOR] + [DN2]

an example of this would be
[FORWARD ALL] from [225] on trunk [703]

Each field can be programmed individually as follows :

EXTENSION FOR DN1 : If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN1 field indicating that a station is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the system will not send station data in the DN1 field.**(Default : No)**

TRUNK FOR DN1 : If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN1 field indicating that a trunk is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the system will not send trunk data in the DN1 field.**(Default : No)**

EXTENSION FOR DN2 : If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN2 field indicating the originating station of the call ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the system will not send station data in the DN2 field.**(Default : No)**

TRUNK FOR DN2 : If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN2 field indicating the originating trunk of the call ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the system will not send trunk data in the DN2 field. **(Default : No)**

SEPARATOR : When both DN1 and DN2 are used, a digit defined here is sent between DN1 and DN2 so the VMAA system can determine where DN 1 stops and where DN 2 starts. The separator can be DTMF 0 through 9, *, #, A, B or C.

(Default : No)

DISCONNECT SIGNAL : This is the call progress digit sent to the VMAA port in place of a disconnect open. The digit defined here is sent three times. **(Default : C)**

CALLER ID NUMBER : If set to yes, when the voice mail auto attendant system answers a call the system will send Caller ID data as DTMF tones to the VMAA port. **(Default : No)**

CALL TYPE ID : This is the DTMF digit that is sent first in the in band digit string and can identify any of the following call types :

	CALL TYPE	DEFAULT	DESCRIPTION
0	DIRECT CALL	1	A call originating directly from another station in the system.
1	ALL FWD CALL	2	This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set.
2	BSY FWD CALL	3	This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set.
3	NOA FWD CALL	4	This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set.
4	RECALL	5	A call is recalling the VM/AA port after being transferred and not answered.
5	DIR TRK CALL	6	A Trunk Line call has gone directly to VM/AA (e.g., trunk 717 DIL to VM/AA).
6	OVERFLOW	7	A call has OVERFLOWED to the VM/AA port from a station group.
7	DID CALL	8	A DID call has called the VM/AA port.
8	MESSAGE CALL	9	A message button or message reply feature code has been used to call the VM/AA port.

PROGRESS TONE ID : These are the DTMF codes that is sent to the VMAA port in place of regular progress tones. For example, when a VMAA port goes off hook to originate or transfer a call, instead of hearing normal dial tone, it will hear DTMF 'BA'. Progress tones can greatly increase the efficiency of a VMAA system because it is easier and quicker to detect DTMF than a busy, ring back or DND tone.

Progress tones can identify any of the following.

	STONE	DEFAULT	DESCRIPTION
0	DIAL TONE	NO	Dial Tone
1	BUSY TONE	NO	Busy Tone
2	RINGBAK TONE	NO	Ring back Tone
3	DND NO MORE	NO	DND or No More Call Button Error
4	HDSET ANSWER	NO	Off Hook Answer
5	SPKER ANSWER	NO	On Hook Answer

GENERAL RULES

1. 201 is talking to a trunk and presses TRANSFER plus the station number, but the station is forwarded to VM/AA and VM/AA answers. When this happens, if 201 presses TRANSFER again to return to the trunk, the VM/AA port is not on hold. It is disconnected.
2. A VM/AA port leaves a message indication for a station. When the station returns the message, any available port in the VM/AA group should ring, not only the one that left the message.
3. A VM/AA port leaves a message for a station. When the station returns the message, the MESSAGE LED is not automatically turned off. If a VM/AA system turns on the MESSAGE LED, the VM/AA system must turn it off.
4. If DTMF call progress tones are not enabled, the system sends regular call progress tones.
5. When a VM/AA port calls a station that is in the AUTO ANSWER or VOICE ANNOUNCE mode, the phone will be forced to ring.
6. All calls to a VM/AA port or group ring with Trunk line ringing cadence, not intercom ring cadence.

EXAMPLES OF VM/AA OPERATION(IN BAND DTMF DIGIT STRING)

In the following example, all call and type data is turned on unless otherwise stated. X is the separator digit, all-default values are used in these examples and [] is not used.

A DIL 701 calls a VM/AA port or group :

[*]+[701]+[]+[]

In the above example, if Trunk Line information is not used :

[]+[]+[]+[] (Nothing is used)

DIL 701 calls a call-forwarded station(205) :

[#]+[205]+[X]+[701]

In the above example, if forward information is not used :

[]+[205] +[X]+[701]

In the above example, if forward and DN2/Trunk Line information is not used :

[]+[205]+[]+[]

DIL 701 calls group 501 that overflows to VM/AA :

[#]+[501]+[x]+[701]

In the above example, if overflow information is turned off :

[]+[]+[]+[] (Nothing is sent)

A DID call rings the VM/AA directly :

[B]+[9999]+[]+[]

9999 are the DID digits from Trunk Line

In the above example, if did information is turned off :

[]+[9999]+[]+[]

A station transfers(blind or screened) a call(Trunk Line, DID or intercom) to VM/AA group or port. When the transferring station hangs up(blind transfer) :

[]+[]+[]+[] (Nothing is sent)

A station(202) transfers a Trunk Line call(702) to a station(225) that is Call Forward All to a VM/AA group or port. When the transferring station hangs up(blind transfer) and the VM/AA group or port answers :

[#]+[225]+[x]+[702]

A station(202) transfers a Trunk Line call(702) to a group(501) that overflows to a VM/AA group or port :

[#]+[501]+[X]+[702]

In the above example, if overflow information is turned off :

[]+[]+[]+[] (Nothing is sent)

A station(205) calls a VM/AA port or group :

[Q]+[205]+[]+[]

In the above example, if direct information is turned off :

[]+[]+[]+[] (Nothing is sent)

A station(205) calls using MESSAGE key :

[Q]+[205]+[]+[]

In the above example, if message information is turned off :

[]+[]+[]+[] (Nothing is sent)

A call(702) recalls back from station 225 to the VM/AA group :

[#]+[225]+[x]+[702]

In the above example, if recall and DN2/CO information are turned off :

[]+[]+[]+[] (Nothing is sent)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used in some fields where a value is entered or deleted.
A	Used to input alpha character 'A'
B	Used to insert alpha character 'B'
C	Used to insert alpha character 'C'

ACTION

1. Press Transfer button and enter 726
Display shows
2. Enter the OPTION number from the above list(e.g., 3)
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter 1 for YES or 0 for NO
OR
Press Volume button for selection and press Right Soft button to return to step 2
4. press TRANSFER to exit
OR
Press Speaker button to exit and advance to next MMC

DISPLAY

```
EXT FOR DN1
YES
```

```
TRK FOR DN2
NO
```

```
TRK FOR DN2
YES
```

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

RELATED ITEMS

MMC 207 ASSIGN VM/AA PORT

727 SYSTEM VERSION DISPLAY

This MMC is only used for system version display. This is a READ ONLY MMC.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 727
Display shows
2. Press Volume button to select other Card versions

DLI CARD
Cabinet and Slot shown

TEPRI CARD PRI MODE
Cabinet and Slot shown

AUTO ATTENDANT CARD
Cabinet and Slot shown

3. Press TRANSFER to exit
OR
Press Speaker button to exit and advance to next MMC

DISPLAY

```
MCP VERSION
'03.07.01 L2.03
```

```
C1-S2:8 DLI
NO VERSION DATA
```

```
C2-S1:TEPRI/EP
'01.08.14 V1.02
```

```
C1-S8:AA
'00.09.19 1.00
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

728 CID TRANSLATION TABLE

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 1000 entries for a M system and 2000 for a L system. Each entry is comprised of a ten-digit(14 digits allowed) 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' four 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.



When the character you want appears on the same dial pad key as the previous character, press the VOL Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case

ACTION**DISPLAY**

1. Press Transfer button and enter 728
Display shows first entry
2. Dial entry number(e.g., 0005)
OR
Use Volume button to scroll through entries
and press Right Soft button to select entry
3. Enter telephone number and press Right Soft
button to advance name entry
OR
Enter telephone number and press LEFT
Soft button to return to step 2
4. Enter associated name as described above
and press Right Soft button to return to step 2
5. press TRANSFER to exit
OR
Press Speaker button to exit and advance to next
MMC

```
TRANSLATIO (0001)
DGT:
```

```
TRANSLATIO (0005)
DGT: _
```

```
TRANSLATIO (0005)
DGT: 3054264100
```

```
TRANSLATIO (0005)
SAMSUNG TELECOM
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 312 ALLOW CID
MMC 608 ASSIGN REVIEW BLOCKS

730 AA RECORD GAIN

Used to control AA record gain.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 730
Display shows
2. Dial AA number(e.g., 3959)
OR
Press Volume button to make selection and press Right Soft button
3. Press Volume button to select record gain and press Right Soft button
4. Press Volume button to select play gain and press Right Soft button
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3951]AA GAIN
REC:+0.0 PL:+0.0
```

```
[3959]AA GAIN
REC:+0.0 PL:+0.0
```

```
[3959]AA GAIN
REC:+1.9 PL:+0.0
```

```
[3959]AA GAIN
REC:+1.9 PL:+0.0
```

DEFAULT DATA

0 dB

RELATED ITEMS

NONE

731 AA RAM CLEAR

Used for making clear AA RAM on a per-AA card basis. Through this MMC, the system only accepts the first port as a port field and LCD shows its selection. This will erase the whole message that has been programmed previously on the selected card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 731
Display shows
2. Dial AA number(e.g., 3951)
OR
Press Volume button to make selection and press Right Soft button
3. Dial 0(No) or 1(Yes)
OR
Press Volume button to make selection and press Right Soft button
4. Dial 0(No) or 1(Yes) to confirm selection
OR
Press Volume button to make selection and press Right Soft button
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3951]RAM CLEAR
CLR RECORDED?NO
```

```
[3951]RAM CLEAR
CLR RECORDED?NO
```

```
[3951]RAM CLEAR
CLR RECORDED?YES
```

```
[3951]RAM CLEAR
ARE YOU SURE?NO
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

732 AA TRANSLATION TABLE

AA translation tables are responsible for routing calls based on digits dialled. There are 12 translation tables available. Each table can be assigned to one or more plans in MMC 733 Auto Attendant Plan Programming. A translation table consists of a number of 100 entries. Each entry number has two fields to program : the first field is for the digits received by the caller and the second field is for the destination or action.

The destination field can be a station number, station group or another plan. Plans are entered by pressing special key A plus two digits 01-12. If a voice mail group is entered, the call will be transferred to the voice mail system with the appropriate in band digit packet to indicate a Forward All call from the station number dialled by the caller.

The digits defined in the first field of this MMC [dialled digits] must be a valid station number.

If the digits programmed as a destination are a voice mail port the voice mail port will receive an in band packet of DTMF equal to [FWD from EXTENSION NUMBER DIALLED].

There are a number of special characters that are used in translation tables. They are as follows :

*=Used to represent any digit.

P=(Special Key A) Plan. Used to assign a plan as a destination(P01-P12).

B=(Special Key B) Buffer. When used in the destination field, transfers the call to the same extension as the digits dialled by the caller.

C=(Special Key C) Change greeting or Ring Plan.

DESTINATION :

Consider the following entry examples.

DIGITS	DEST	COMMENTS
0	0	Caller will be transferred to 0.
2**	B	If a caller dials any three digit extension number beginning with 2, the call will be transferred to the extension number dialled.
48#2	C	If a caller dials 48#2, the current plan's greeting may be changed. 48#2 is essentially a special passcode for changing the current greeting or ring plan.
1	526	If a caller dials 1, the call will be transferred to group 526.
5	P08	If a caller dials 5, the call will be transferred to plan 08.



Number conflicts like 2 and 23 or 56 and 567 are allowed in translation table programming. In these cases, the system will compare received digits from AA card after AA TRANS time and transfer to the proper destination.

Entries in the translation table will also provide the following features which are useful if a mailbox owner does not have a telephone on the system, but does have a SVMi voice mailbox.

If a caller dials # + nnn he will leave a message directly in the mailbox specified in the destination.

If a caller dials * + nnn he will log into the mailbox specified in the destination.

If the translation table contains an entry like nnn=D(D is selected using the fourth Soft button) callers dialling nnn will leave a message directly in the mailbox specified in the destination.

NOTES ABOUT CHANGING RING PLANS AND ALTERNATE GREETING :

MANUAL SERVICE

1. When the phone system changes ring plans, the AA greetings will also change as programmed in MMC 733.
2. When the AA alternate greeting passcode is entered the caller may input a digit to change the ring plan. This means that a customer who wants to put the system in a different ring plan can call in remotely and do it.
3. When the alternate greeting passcode is entered, the system will allow to select a ring plan. If a RP(ring plan) key is programmed on the system it will FLASH. The normal status of this light in a ring plan is on steady. A flashing RP key corresponding to the ring plan indicates the remote ring plan has been set. If a RTO key is available it will also flash.
4. If the alternate greeting is not activated but the ring plan is changed the system will remain in the selected ring plan until the next scheduled ring plan change. If the alternate greeting is activated the system will remain in the existing ring plan or the selected ring plan until the alternate greeting is manually deactivated.
5. To implement ring plan changes and/or the alternate greeting the caller must enter the number or 'passcode' that implements the special key program. After the passcode is entered the caller must enter 2 digits. The first digit selects the desired ring plan to change to(1-6) or 0 for no change. The second digit activates the alternate message. 0 for no alternate message or 1 for alternate message.

Example) Caller dials into the system and is answered by the AA card. The caller then input the special code or 'password' 48#2. The caller then dials 3 to select ring plan 3 and then dials 1 to turn on the alternate greeting. The system now ring according to ring plan 3. Ring plan 3 is directed to the AA card and the caller is now answered by the alternate greeting.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Used to enter P on destination field
B	Used to enter B on digit or destination field
C	Used to enter C on destination field
D	Used to enter D on destination field

ACTION

DISPLAY

- | | |
|---|----------------------------------|
| 1. Press Transfer button and enter 732
Display shows | AA TRANS TB (01)
001:0→500 |
| 2. Dial TABLE number(01-12, e.g., 02)
OR
Press Volume button to select and press RIGHT Soft button | AA TRANS TB (02)
001:→NONE |
| 3. Dial ENTRY number(001-100, e.g., 002)
OR
Press Volume button to select and press Right Soft button | AA TRANS TB (02)
002:→NONE |
| 4. Enter Dial DIGIT and press Right Soft button | AA TRANS TB (02)
002:2**→NONE |
| 5. Enter Destination
OR
Press Volume button to select and press Right Soft button | AA TRANS TB (02)
002:2**→201 |
| 6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC | |

DEFAULT DATA

TABLE 01

ENTRY	DIGITS	DESTINATION
001	0	500
002	2***	B
003	3***	B
004	5***	B
005	8***	B
006	9	P03

ALL OTHER TABLES ARE EMPTY

RELATED ITEMS

MMC 733 AUTO ATTENDANT PLAN PROGRAMMING
MMC 507 RING PLAN TIME

733 AA PLAN TABLE

Used to program each AA plan. A plan is a module that processes a call. There are twelve plans available in each AA card. Each plan can route a caller to any group, extension or another plan. Each port can answer calls with a different plan as defined in MMC 735.

This MMC includes options to select messages to play to a caller. These messages can be as follows :

MESSAGES 01-48

These can be created using the AAREC Soft button(programmed on phones by using MMC 722 or 723). A total of two minutes of message time is available.

MESSAGES 49-64

These are pre-programmed as follows:

(The announcement may be different according to the AA MSG ROM)

- 49 'Thank you for calling, please dial your party's extension number'.
- 50 'Invalid number, please try again'.
- 51 'I'm sorry, there is no answer'.
- 52 'I'm sorry, that station is busy'.
- 53 'One moment please'.
- 54 'Transferring'.
- 55 'I'll transfer you'.
- 56 'Good-bye'.
- 57 'Thank you'.
- 58 'Please hold for the operator'.
- 59 'Please hold for assistance'.
- 60 'Thank you, good-bye'.
- 61 'I'm sorry, all stations are presently busy'.
- 62 'I'm sorry, all stations are still busy'.
- 63 'Please call back later'.
- 64 'I'm sorry, not a valid selection'.

PLAN MESSAGE (RING PLANS 01-06)

This is the message that will be heard by the caller when the AA port answers a call if the telephone system is in a particular ring mode or if another message has been selected by the AA administrator. This message has a default selection of AA ROM message number 49 but it can be replaced with a customized message(01-48) or with any other ROM message(49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

ALTERNATE MESSAGE

This is the message that will be heard by the caller when the AA port answers a call if this message has been selected by the AA administrator. This message has a default selection of 49 but it can be replaced with a customized message(01-48) or with any other ROM message(49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

INVALID MESSAGE

Determines what message will play if the caller dials invalid digits repeatedly until the retry counter expires. Invalid digits are digits not contained in the translation table for this plan. The invalid message will repeat for the value contained in the retry counter. This message has a default selection of ROM message 64 but it can be replaced with a customised message(01-48) or with any other ROM message(49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO ANSWER MESSAGE

Determines what message will play if the caller is recalled to the AA port because of a no answer. This message has a default selection of ROM message number 51 but it can be replaced with a customised message(01-48) or with any other ROM message (49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

TRANSFER MESSAGE

Determines what message will play if the caller is transferred. This message has a default selection of ROM message number 53 but it can be replaced with a customised message(01-48) or with any other ROM message(49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

BUSY MESSAGE

Determines what message will play if the caller selects a busy station. This message has a default selection of ROM message number 52 but it can be replaced with a customised message(01-48) or with any other ROM message(49-64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO STATION MESSAGE

Determines what message will play if the caller dials an invalid extension(not installed). This message has a default selection of ROM message number 50 but it can be replaced with a customised message(01-48) or with any other ROM message

(49-64). This retry message will repeat for the value contained in the retry counter. See Retry Count. For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO ACTION MESSAGE

Determines what message will play if the caller does not act. This message has a default selection of ROM message number 59 but it can be replaced with a customised message(01-48) or with any other ROM message(49-64).

CAMP-ON

Determines if calls will be transferred to busy stations. Calls transferred to busy stations will be camped-on. The default value is OFF.

ANSWER DELAY

Sets how many rings will occur before this plan answers a call. The default value is 01 second.

RETRY COUNT

Determines how many selection errors a caller may make before being transferred to the invalid digits destination. In case of no action, will not follow this option. The default value is 3.

TRANSLATION TABLE

Determines what translation table this plan will use.(see MMC 732 Auto Attendant Trans Table). The default value is same number of plan number.

BUSY DESTINATION

Determines the destination for the call if the selected destination is busy. This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12. The default value is 500.

NO ANSWER DESTINATION

Determines the destination for the call if the selected destination does not answer. This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12. The default value is 500.

NO ACTION DESTINATION

Determines the destination for the call if the caller makes no response(this is also the destination for rotary dial callers). This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12. The default value is 500.

INVALID DESTINATION

Determines the destination for the call if the caller dials invalid digits after the retry counter has expired. This destination can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12. The default value is 500.

NOTE ABOUT TRUNK SIGNALLING

UCD is designed to hold a call until an agent is available. It is therefore essential that a customer gets a disconnect from the Trunk Line when a caller hangs up. If not the call may be held in the UCD loop until answered. This could be a long time, and when an agent finally does answer there would be no one there.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
A	Used to enter P on destination field

ACTION

1. Press Transfer button and enter 733
Display shows
2. Enter AA plan number via dial keypad.
OR
Press Volume button to select a plan number and press Right Soft button to move cursor.
3. Enter option number via dial keypad.
OR
Press Volume button to select a option and press Right Soft button to move cursor.
4. Enter option data via dial keypad.
OR
Press Volume button to select a data and press Right Soft button to save and return to step3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AA PLAN PROG(01)
PLAN MSG1 :49
```

```
AA PLAN PROG(05)
PLAN MSG1 :49
```

```
AA PLAN PROG(05)
PLAN MSG3 :49
```

```
AA PLAN PROG(05)
PLAN MSG3 :02
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 507 RING PLAN TIME

MMC 732 AUTO ATTENDANT TRANS TABLE

734 AUTO ATTENDANT MESSAGE MATCH

It is possible to make 48 customized recordings on the AA ports of the AA card. For instructions on how to create these recordings, see User Instructions, Auto Attendant and Uniform Call Distribution System Administration.

It is important to understand the difference between recordings and messages. For example, you have customized recording 01 as 'Thank you for calling' and you have customized recording #02 as 'One moment please.' By default, message 01 is recording 01. When message 01 is selected as part of AA or UCD programming, the caller hears 'thank you for calling'(recording 01). When message 02 is selected, the caller hears 'one moment please'(recording 02). If you need a new message that says 'thank you for calling, one moment please,' you can record this as recording 03 and play it as message 03 but this uses some of the RAM storage on the AA card. An easier way is to link recordings 01 and 02 to produce message 03.

This is the purpose of this MMC. We simply tell the system that message 03 equals recording 01 plus recording 02. In this MMC, the top line of the phone display indicates a message number and the bottom line indicates the recording numbers.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 734
Display shows
2. Enter message number via dial keypad.
OR
Press Volume button to select a message and press
Right Soft button to move cursor.
3. Enter one or more recording numbers and press
Right Soft button to return step 2.

DISPLAY

```
AA MSG MATCH (01)
01
```

```
AA MSG MATCH (05)
05
```

```
AA MSG MATCH (05)
26+14+45+12+02
```

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

EACH MESSAGE IS EQUAL TO THE CORRESPONDING RECORDING

RELATED ITEMS

MMC 607 UCD OPTIONS
MMC 733 AUTO ATTENDANT PLAN PROGRAMMING
MMC 739 SET AUTO ATTENDANT MUSIC ON HOLD

735 AA USE TABLE

Determines what plan will answer each call. Each AA is assigned a specific plan and each AA group assigned in MMC 601 is assigned a specific plan. When a call is received by an AA port, the appropriate plan will answer the call depending on the port or group that was called.



You are not programming what port answers, but what port is called.

The following example shows how flexible this system is :

AA PORT OR GROUP	AA PLAN TO ANSWER
3951	PLAN 01
3952	PLAN 02
3953	PLAN 03
AA GROUP 510(3951, 3952, 3953)	PLAN 04
AA GROUP 511(3951, 3952)	PLAN 05
AA GROUP 512(3953, 3954)	PLAN 06

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 735
Display shows first AA group e.g. 510
- Enter AA port or AA group number.
OR
Press Volume button to select a AA port or group
and press Right Soft button to move cursor.

DISPLAY

```
[518] AA PLAN
PLAN NO:01
```

```
[510] AA PLAN
PLAN NO:01
```

3. Enter AA plan number.

```
[510]AA PLAN  
PLAN NO:04
```

Press Volume button to select a AA plan number and press Right Soft button to save and return step 2.

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL PORTS AND GROUPS=PLAN 01

RELATED ITEMS

MMC 601 ASSIGN STATION GROUP
MMC 733 AUTO ATTENDANT PLAN PROGRAMMING

736 ASSIGN AA MOH

Used to define what message 01-48 plays as a Music on Hold(MOH) source if selected in MMC 309 or 408. This message will repeat continuously. Only the last AA port on an AA card can be used as a MOH source. This MMC assigns a message number to the last port of each card. This MMC must be programmed before AA/MOH data can be assigned in MMCs 309, 408 and 607.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 736
Display shows
2. Enter AA port number.
OR
Press Volume button to select a AA port and press
Right Soft button to move cursor.
3. Enter AA MOH message number.

Press Volume button to select a AA MOH number and press Right Soft button to save and return step 2.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3958]SET AAMOH
MOH MSG :NOT USE
```

```
[3958]SET AAMOH
MOH MSG :NOT USE
```

```
[3958]SET AAMOH
MOH MSG :33
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 309 ASSIGN STATION MUSIC ON HOLD
 MMC 408 ASSIGN TRUNK MOH SOURCE
 MMC 607 UCD OPTIONS
 MMC 734 AUTO ATTENDANT MESSAGE MATCH

737 DECT SYSTEM CODE

Used to identify your DECT system and the handsets you register with your system.

The DECT system Code for your system is actually made up of two fields : the System ID which is three hexadecimal digits in the range 000 to 999; and the Auth Code(short for Authentication Code) which is four hexadecimal digits in the range 0000 to 9999. The default values are 000 and FFFF respectively.



You must use this MMC to change the default values for the values you have been provided with by your supplier. If you do not change the defaults you will not be able to register handsets.

Once you have entered your new System ID and Auth Code using this MMC you can then begin registering your handsets with the Auth Code. The system checks the Auth Code entered for each handset against the DECT Auth Code. If it is the same, the registration procedure continues; otherwise, the system rejects the registration procedure.



Only the system administrator and/or installer should be allowed access to change the DECT System Code and register handsets.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 737
Display shows
2. Dial 0 for AUTH code or 1 for system ID.
OR
Press Volume button to make a selection and press Right Soft button to move cursor.

DISPLAY

```
DECT SYSTEM CODE
AUTH CODE:FFFF
```

```
DECT SYSTEM CODE
AUTH CODE:FFFF
```

3. If option is AUTH code, enter AUTH CODE via dial keypad(e.g., 1234)

```
DECT SYSTEM CODE
AUTH CODE:1234
```

- If option is system ID, enter system ID via dial keypad(e.g., 567)

```
DECT SYSTEM COD
SYSTEM ID:567
```

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

AUTH CODE : FFFF
SYSTEM ID : 000

RELATED ITEMS

MMC 738 DECT CLEAR REGISTRATION
MMC 741 DBS RESTART
MMC 742 BSI STATUS
MMC 743 DBS STATUS
MMC 744 DECT REGISTRATION ON/OFF
MMC 745 BSI RF CARRIER

738 DECT CLEAR REGISTRATION

Used for deleting previously registered information of DECT handsets. This MMC has two modes :

FORCED mode : When this mode is programmed, the system clears the registered information by force.

NORMAL mode : Whenever the system wants to clear the registration of a DECT handset, the deletion must be confirmed from the handset. If the confirmation is successful, the system clears the registered information.(If the confirmation fails, the system cannot clear the information)

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 738
Display shows
2. Enter DECT terminal number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button
3. Enter 0 for FORCED mode or 1 for NORMAL mode
OR
Press Volume button to make selection and press Right Soft button
4. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and press Right Soft button

DISPLAY

```
[8801]DECT CLEAR
MODE:FORCED
```

```
[8801]DECT CLEAR
MODE:FORCED
```

```
[8801]DECT CLEAR
MODE:NORMAL
```

```
[8801]DECT CLEAR
DECT CLEAR :NO
```

5. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and press
Right Soft button .

6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[8801]DECT CLEAR  
CLR RECORDED?NO
```

DEFAULT DATA

FORCED MODE

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
MMC 741 DBS RESTART
MMC 742 BSI STATUS
MMC 743 DBS STATUS
MMC 744 DECT REGISTRATION ON/OFF
MMC 745 BSI RF CARRIER

740 STATION PAIR

Assigns a secondary station to a phone. This secondary station can be a phone or single line port. The secondary station assumes the Call Forwarding, Class of Service, LCR Class, and DND attributes of the primary station.



If the COS is changed for either station in MMC 301 the change affects both stations. Secondary stations when dialled will also ring the primary extension. Message from secondary extension will display that(secondary) extension numbers. Callback to extension(secondary) as well.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 740
Display shows
2. Enter the primary station number via dial keypad(e.g., 201)
OR
Press Volume button to select and press Right Soft button
3. Enter the secondary station number via dial keypad(e.g., 205)
OR
Press Volume button to select and press RGHT Soft button
4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] PRIMARY
SECONDARY:NONE
```

```
[201] PRIMARY
SECONDARY:NONE
```

```
[201] PRIMARY
SECONDARY:205
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 102 STATION FORWARDING
MMC 301 STATION COS
MMC 310 LCR CLASS OF SERVICE

741 DBS RESTART

Provides a method of restarting DBS and BSI card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 741
Display shows
2. Select the BSI slot via dial button pad
OR
Press Volume button to select BSI slot and press Right Soft button.
3. Select the DBS number via dial button pad
OR
Press Volume button to select DBS number and Right Soft button.

If you want to restart BSI card, press ANS/RLS button and press Right Soft button.
4. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and press Right Soft button
5. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and press Right Soft button
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
BSI SLOT:1 DBS:1
RESTART? NO
```

```
BSI SLOT:1 DBS:1
RESTART? NO
```

```
BSI SLOT:1 DBS:3
RESTART? NO
```

```
BSI SLOT:1 DBS:A
RESTART? NO
```

```
BSI SLOT:1 DBS:3
RESTART? YES
```

```
BSI SLOT:1 DBS:3
ARE YOU SURE?NO
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
MMC 738 DECT CLEAR REGISTRATION
MMC 742 BSI STATUS
MMC 743 DBS STATUS
MMC 744 DECT REGISTRATION ON/OFF
MMC 745 BSI RF CARRIER

742 BSI STATUS

This MMC shows the status of the BSI card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 742
Display shows
If status of BSI card is good, the display shows 'SUCC'
2. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
BSI STATUS  
M: SUCC-SUCC-SUCC
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
MMC 738 DECT CLEAR REGISTRATION
MMC 741 DBS RESTART
MMC 743 DBS STATUS
MMC 744 DECT REGISTRATION ON/OFF
MMC 745 BSI RF CARRIER

743 DBS STATUS

This MMC shows the status of the DECT base stations(DBS).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 743
Display shows
2. Select the BSI card via dial button pad
OR
Press Volume button to make selection
The status of each DBS is displayed:
If the status is good, '1' is displayed.
If the status is not good, '0' is displayed.
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
DBS 12345678 S:1
STS:00000000
```

```
DBS 12345678 S:2
STS:00000000
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
 MMC 738 DECT CLEAR REGISTRATION
 MMC 741 DBS RESTART
 MMC 742 BSI STATUS
 MMC 744 DECT REGISTRATION ON/OFF
 MMC 745 BSI RF CARRIER

744 DECT REGISTRATION ON/OFF

Allows DECT handset registration to be enabled on a system. If this MMC is not opened and an attempt is made to register a DECT handset, an error message will be displayed. The default passcode can be changed using MMC 202.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 744
Display shows

```
ENABLE DECT REG.
PASSCODE: _
```

2. Enter passcode

```
ENABLE DECT REG.
PASSCODE:****
```

If the correct code is entered the display shows

```
ENABLE DECT REG.
DISABLE
```

If the SYSTEM ID in MMC 737 has not been set, the following message will be displayed

```
ENABLE DECT REG.
NO REG.SYSTEM ID
```

3. Dial 1 for ENABLE or 0 for DISABLE
OR
Press Volume button to select and press
Right Soft button

```
ENABLE DECT REG.
ENABLE
```

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

DISABLE

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
 MMC 738 DECT CLEAR REGISTRATION
 MMC 741 DBS RESTART
 MMC 742 BSI STATUS
 MMC 743 DBS STATUS
 MMC 745 BSI RF CARRIER

745 BSI RF CARRIER

A base station uses one of 10 channels(FDMA technology). This MMC is used to allow or deny the use of each channel(carrier). By default, all carriers can be used by a base station.

- 0 Carrier can be used
- 1 Carrier cannot be used

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

- Press Transfer button and enter 745
The display shows the status of each carrier (0-9) :
If '1' is shown below a carrier then this carrier can be used by the base station

If '0' is shown below a carrier then this carrier cannot be used by the base station
- Dial 1 or 0 for each carrier
- Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
CARS:0123456789
SELS:1111111111
```

DEFAULT DATA

1111111111

RELATED ITEMS

MMC 737 DECT SYSTEM CODE
 MMC 738 DECT CLEAR REGISTRATION
 MMC 741 DBS RESTART
 MMC 742 BSI STATUS
 MMC 743 DBS STATUS
 MMC 744 DECT REGISTRATION ON/OFF

746 COSTING DIAL PLAN

The COSTING DIAL PLAN is used to analyze the leading dialled digits of a dialled number and determine what DIAL PLAN it is to follow. Data entry for this program is in three fields : ENTRY, DIGITS and COST RATE table reference.

DIGITS

Up to 500 entries may be made. Each entry can be up to ten digits. These are the entries that will be searched to find a match with the digits dialled by the station making the call. This is a leading digits table and the system will look for the exact leading digits in the table that match the number dialled. For example, if a user dials 1305 and the COSTING DIAL PLAN contains 1, 1308 and 1312, the dialled digits will be matched to 1 because 1308 and 1312 do not form a complete match. When this table is created by the technician or when any new entries are added, the system automatically places all entries in numerical order.

Wild cards(*) can be used to represent any digit. The Toll Restriction Wild Character assignment(MMC 704) is common with Call Costing and Toll Restriction. When all entries are used, [LAST ENTRY] is displayed.

DIAL PLAN

This shows in the programming display as DP and represents a pattern(1-7, 8). This pattern is used by MMC 433 TRUNK COST RATE, to determine the correct billing according to MMC 747 RATE CALCULATION TABLE

When the system finds a DIAL PLAN match for the digits dialled, the system checks MMC 747 to see what RATE CALCULATION to use for costing the call.

EXAMPLES

When a station user dials a number, the system will search the COSTING DIAL PLAN to find a match. If 13056 is dialled and this MMC contains entries 1, 13, 1305 and 1401, 1305 is the closest match and this entry will be selected. If 1305 is dialled and this MMC contains entries 1, 13, 13056 and 1401, no action will be taken until the station user dials another digit. If the next digit is 6, the 13056 entry is the closest match and this entry will be selected, but if the next digit is anything other than 6, the 13 entry is the closest match.

Whenever a new entry is added, the system will sort all entries in numerical order because this is the logical order in which the system analyzes digits. Wild cards are checked after exact digits. If 1813 and 18** are entered, the system will check 1813 first. If no match is found, it will check 18**.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select all

ACTION

1. Press Transfer button and enter 746
Display shows
2. Dial CALL COST entry(e.g., 005)
OR
Press Volume button to select entry and
press Right Soft button to move cursor
3. Enter digit string via the dial keypad and
press Right Soft button
4. Enter DIAL PLAN(1-8)
OR
Press Volume button to select dial plan and
press Right Soft button to save and move step 2.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
COST DP (001)
DIGIT:
```

```
COST DP (005)
DIGIT:
```

```
COST DP (005)
DIGIT:1305
```

```
COST DP (005)
CALL RATE: NONE
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 433 COST RATE
MMC 747 RATE CALCULATION TABLE

747 RATE CALCULATION TABLE

The RATE CALCULATION TABLE is used to define the billing charges for each COST RATE. These rate tables correlate with the Trunk Cost Rate and the Costing Dial Plan. There are eight call costing rates. Each rate has the following data fields.

FIRST INTERVAL DURATION : This is the amount of time at the beginning of each call to which a fixed cost is applied. The range is from 0 to 999 seconds, for example, 180 seconds(three minutes).

FIRST INTERVAL COST : This is the dollar cost for the first interval duration. The range is from 0 to 999, for example, 345(\$3.45).

SECOND INTERVAL DURATION : This is the amount of time for the duration of each billing increment after the first interval has expired. The range is from 0 to 999 seconds, for example, 006 seconds(six seconds).

SECOND INTERVAL COST : This is the dollar cost for each billing increment. The range is from 0 to 999, for example 100(\$1.00).

SURCHARGE : This is a one-time charge that is applied to the call over and above the time charges. The range is from 0 to 999, for example 150(\$1.50).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select all

ACTION

1. Press Transfer button and enter 747
Display shows
2. Dial COST RATE number(1-8, e.g., 3)
OR
Press Volume button to select COST RATE and press Right Soft button to move cursor

DISPLAY

```
COST RATE (1)
1ST DUR :000 SEC
```

```
COST RATE (3)
1ST DUR :000 SEC
```

3. Dial option number(0-4, e.g., 1)
OR
Press Volume button to select option and press
Right Soft button to move cursor
4. Enter data via dial keypad.(e.g., 125 : \$1.25)
OR
Press Volume button to select data and press
Right Soft button to save and move step 3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
COST RATE (3)
1ST COST:000
```

```
COST RATE (3)
1ST COST:125
```

DEFAULT DATA

ALL COST RATES NO DATA

RELATED ITEMS

MMC 433 TRUNK COST RATE
MMC 746 COSTING DIAL PLAN

750 VM CARD RESTART

This MMC is only used for the Samsung Plug In Voice Mail Card.

There are two options available in this MMC :

DOWNLOAD : When the Built-In Voice Mail card starts, part of the power up procedure will download data from the system 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 NO to save boot up time.

CARD RESTART : If this option is set to YES the Built-In Voice Mail card will immediately restart according to the download OPTION specified above.

VIRTUAL NUMBER DOWNLOAD : This option is determine which type virtual port include during mailbox and system numbering plan downloading procedure.

The virtual port type are followed :

0	VIRTUAL EXT	Virtual extension number
1	IP PHONE	IP-based phone number
2	DECT PHONE	DECT terminal number
3	WIP WITH WLI	Wireless IP-based mobile phone number works with WLI card
4	BRI STATION	ISDN terminal number
5	VOIP NET TRK	VoIP networking trunk number
6	VOIP 323 TRK	VoIP H.323 trunk number
7	VOIP SIP TRK	VoIP SIP trunk number
8	REMOTE STN	Remote station number via networking



If during any test procedures you need to run the system with a default database and power up with this MMC option set to YES the Built-In Voice Mail database will be overwritten according to the data in MMC 751 and the default numbering plan. If you plan this type of test, remove Built-In Voice Mail Card until the procedure is finished and the customer database is reloaded.

PROGRAM BUTTONS

VOLUME	Changes MMC data between YES and NO
KEYPAD	0 and 1 will change data and advance to other option
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 750
Display shows
2. Dial 0,1 or 2 to set option and advance
OR
Press Volume button to make selection and press
Right Soft button
3. Dial 0(No) or 1(Yes) to confirm selection
OR
Press Volume button to make selection and press
Right Soft button
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
VM CARD RESTART
DOWNLOAD ? NO
```

```
VM CARD RESTART
CARD RESTART?NO
```

```
VM CARD RESTART
ARE YOU SURE?NO
```

DEFAULT DATA

ALL OPTIONS ARE NO

RELATED ITEMS

NONE

751 ASSIGN MAILBOX

This MMC is only used for the Samsung Plug in Voice Mail Card. It assigns each station or group as having a mailbox(yes or no). When stations or groups are flagged as YES, during Voice Mail card power up mailboxes will be created for each directory number with a 'YES' entry.

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 system and cycling system power.

If a mailbox is to be removed it must be done through Voice Mail administration.

If a station that do not have an associated voice mailbox, call the Voice Mail system they will be answered by the Voice Mail system main greeting.



Mailboxes that are needed for people that do not have an extension must be added through Voice Mail programming.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 751
Display shows
2. Dial station number
OR
Press Volume button to scroll the number and press Right Soft button to move cursor
3. Dial 0 for NO or 1 for YES.
OR
Press Volume button to make selection and press Right Soft button to save and move step 2.

DISPLAY

```
ASSIGN MAIL BOX
[201] YES
```

```
ASSIGN MAIL BOX
[202] YES
```

```
ASSIGN MAIL BOX
[202] NO
```

4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

ALL STATIONS=YES
ALL GROUPS=NO

RELATED ITEMS

NONE

752 AUTO RECORD

This MMC is only used for the Samsung Plug in Voice Mail Card.

Some specific station in the phone system can be assigned to automatically record conversations. When this option is set, all incoming, all outgoing, or all calls (incoming or outgoing) can be recorded.

When this option is selected a specific port can 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 station use this feature.-Station number
2. What mailbox the conversation are recorded in.-Mailbox 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 port number

A maximum of 8 stations can this feature in the system.

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 port is assigned here, it is automatically removed from the Voice Mail group defined in MMC 601.



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. SAMSUNG is not responsible for any illegal use of this feature.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to delete an entry

ACTION

1. Press Transfer button and enter 752
Display shows
2. Dial station number via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor
3. Dial mailbox number via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor
4. Dial VM number via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor
5. Dial call type via dial keypad.
(0 : I, 1 : O or 2 : B)
OR
Press Volume button to make selection and
press Right Soft button to move cursor
6. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AUTO RECORD
STN:201 MB:NONE
```

```
AUTO RECORD
STN:201 MB:NONE
```

```
AUTO RECORD
STN:201 MB:201
```

```
AUTO RECORD
PORT:209 CALL:I
```

```
AUTO RECORD
PORT:209 CALL:B
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

753 WARNING DESTINATION

This MMC is only used for the Samsung Plug in Voice Mail Card.

This MMC provides an emergency destination for calls destined for the Voice Mail card, if the Voice Mail card is removed or is offline.

In addition any calls that are forwarded to the Voice Mail card will not forward, they will remain ringing at the 'fwd from' station until answered.

This destination can be a station number or a group number.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC
HOLD	Used to delete an entry

ACTION

1. Press Transfer button and enter 753
Display shows
2. Dial station number or group number
OR
Press Volume button to scroll the number.
3. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
WARNING DEST.  
DEST:500
```

```
WARNING DEST.  
DEST:501
```

DEFAULT DATA

500

RELATED ITEMS

NONE

754 VM HALT

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). It ensures that there is no traffic on the Voice Mail card when it is removed from the system.



This operation should be performed before removing the voice mail card mail card from the system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 754
Display shows
2. Enter 1 to halt or 0 to process
OR
Press Volume button to scroll the selections.
3. When you select 1 to halt, display shows :
Press 1 to confirm.
4. Display shows :
5. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
VM HALT
STATUS:PROC
```

```
VM HALT
STATUS:PROC
```

```
VM HALT
ARE YOU SURE?YES
```

```
VM HALT
STATUS:HALT
```

DEFAULT DATA

PROC

RELATED ITEMS

NONE

755 VM ALARM

This MMC is only used for the Samsung Plug in Voice Mail Card.

This MMC will generate an alarm message in the mailbox defined in MMC 751 whenever the Voice Mail disk drive reaches a 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 BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 755
Display shows
2. Enter new threshold level.
3. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
VM ALARM
THRESHOLD: 80
```

```
VM ALARM
THRESHOLD: 75
```

DEFAULT DATA

80 %

RELATED ITEMS

NONE

756 ASSIGN VM MOH

This MMC is only used for the Samsung Plug in Voice Mail Card.

This MMC is used to assign each port a Music on Hold source for the system from a sound file located on the Built-In Voice Mail Card hard disk drive. The 100 available sound files are defined as numbers 5000 to 5099.

Basically Built-In Voice Mail Card supports various music for numbers 5000 to 5099. If you want to use default Built-In Voice Mail Card support music, select the number. Otherwise, make sure you record the sound file first. The next step is to assign the sound file to a Built-In Voice Mail port. For example, if you record sound file 5025 you would associate 25 with a specific Built-In Voice Mail port, e.g., 225. This will dedicate the port for use only as MOH and remove it from group 529 or 549. 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 Built-In Voice Mail port.



If the first Built-In Voice Mail port is used for VM MOH, it must be disabled before boot up since Built-In Voice Mail Card and the system use port 1 during boot up to exchange critical information. For this reason we suggest you use the last port as VM MOH ports.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC
HOLD	Used to delete an entry

ACTION

1. Press Transfer button and enter 756
Display shows
2. Dial VM number
OR
Press Volume button to make a selection and press Right Soft button to move cursor
3. Enter VM message number
OR
Press Volume button to make a selection and press
Right Soft button to move cursor

DISPLAY

```
SET VM MOH
209 : NOT USE
```

```
SET VM MOH
215 : NOT USE
```

```
SET VM MOH
215 : 25
```

4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

NOT USE

RELATED ITEMS

NONE

757 VM IN/OUT

This MMC is only used for the Samsung Plug in Voice Mail Card.

This MMC is used to assign each Voice Mail Port as used for incoming, outgoing or both way calls. Note that this MMC must support outgoing calls if off premises notification(beeper, outbound follow me or outbound notification) is used.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 757
Display shows
2. Dial VM number
OR
Press Volume button to make a selection and press Right Soft button to move cursor
3. Enter In or Out via dial keypad.
OR
Press Volume button to make a selection and press Right Soft button to move cursor
4. Press Transfer button and enter button to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
VM IN/OUT
209 : IN/OUT
```

```
VM IN/OUT
215 : IN/OUT
```

```
VM IN/OUT
215 : IN
```

DEFAULT DATA

IN/OUT

RELATED ITEMS

NONE

758 VM DAY/NIGHT

This MMC is only used for the Samsung Built-In Voice Mail Card.

Built-In Voice Mail Card can operate in either a DAY or NIGHT operating mode. This mode will determine what main menu greetings and options are played to the callers.

This operating mode can change automatically (if enabled in Built-In Voice Mail Card) according to the setting in this MMC.

This MMC contains either a DAY or NIGHT instruction for each Ring Plan.

PROGRAM KEY

VOLUME	Selects YES or NO
KEYPAD	Selects YES or NO
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 758
Display shows
2. Enter ring plan number
OR
Press Volume button to make a selection and press Right Soft button to move cursor
3. Dial 0 for day or 1 for night
OR
Press Volume button to make a selection and press Right Soft button to save and move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
VM DAY/NIGHT
RING 1 : DAY
```

```
VM DAY/NIGHT
RING 3 : DAY
```

```
VM DAY/NIGHT
RING 3 : DAY
```

DEFAULT DATA

ALL RING PLANS=DAY

RELATED ITEMS

MMC 507 RING PLAN TIME

760 ITEM COST TABLE

This MMC provides a means to assign a code to a billable item along with a 10 character name for the item. There are a maximum of 100 entries(00 to 99) in the table with item 00 reserved as the code for room deposits, 01 reserved as the code for phone deposits and items 89 to 99 are reserved for other PMS stream items.

These item codes with the exception of codes 93 to 99 will appear on the guests bill at checkout and will serve to identify what each charge on the bill is for. The room bill, when printed will also show telephone calls with an item designation of TEL and the name field will show the number dialled. In addition to the name up to 8 of the tax codes or rates defined in MMC 761 can be applied to each item.

PRE DEFINED CODES

ITEM DESCRIPTION USE

00	Room Deposit	This is the code used for pre pay room deposits.
01	Phone Deposit	This is the code used for pre pay phone deposits
02-88		User Assignable Code
89	W/UP SET	A wake up call was set
90	W/UP ANS	A wake up call was answered
91	W/UP N/ANS	A wake up call was not answered
92	W/UP CANCL	A wake up call was cancelled
93	Check In	A guest has checked into a room
94	Check out	A guest has checked out of a room
95	Available	A room has been flagged as AVAILABLE
96	Occupied	A room has been flagged as OCCUPIED
97	Clean Room	A room has been flagged as NEEDS CLEANING
98	Fix Room	A room has been flagged as NEED MAINTENANCE
99	Hold	A room has been flagged as HOLD



Available in Hotel/Motel enabled only

Names for the items 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' four 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 button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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 *	:	=	[]	*

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

PROGRAM KEY

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 760
Display shows
- Enter valid code number(e.g., 02) via dial key pad
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- Enter in item name(e.g., ROOM COST) via key pad using the method described above

DISPLAY

```
ITEM CODE (00)
NAME:RM Deposit
```

```
ITEM CODE (02)
NAME:
```

```
ITEM CODE (02)
NAME:CLASS A
```

4. Press Right Soft button to move cursor to tax entry step
5. Enter in the tax rates in MMC 761 that apply to this item and press Right Soft button to return to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
ITEM CODE (02)
TAXES:00000000
```

```
ITEM CODE (02)
TAXES:11000000
```

DEFAULT DATA

NO ENTRIES

RELATED ITEMS

MMC 221 EXTENSION TYPE
MMC 761 TAX RATE SETUP

761 TAX RATE SETUP

This MMC allows the technician to set up the 8 tax rates used in MMC 760. Each tax rate may be defined as a fixed value or as a percentage of the item cost. In addition a 10 character name may be used to define the reason for the tax. The Various options are further detailed below.

TAX RATE	This is the number assigned to this tax rate. The tax rates are numbered 1 to 8 to match the rate field in MMC 760 counting from left to right.
TYPE	This is the type of tax and defines if the VALUE is applied as a percentage(%) of the cost of an item or is added as a fixed dollar value(\$) to an item or is applied as a Inclusive VAT percentage(I) of the cost of an item.
VALUE	This is the actual tax rate that will be applied to the item cost.
NAME	This is a 10 character name that will be displayed on the room bill alongside the tax.



Available in Hotel/Motel enabled only

Names for the items 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' four 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 button will change the letter from upper case to lower case.



When the character you want appears on the same dial pad key as the previous character, press the Volume Up button to move the cursor to the right.

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

COUNT	1	2	3	4	5
DIAL 8	T	U	V	*	8
DIAL 9	W	X	Y	Z	9
DIAL *	:	=	[]	*

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

PROGRAM KEY

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

- Press Transfer button and enter 761
Display shows
- Enter valid tax number, e.g., 2 via dial button pad

OR press Volume button to make selection and press Right Soft button to move cursor.
- Dial 0 for '%', 1 for 'C' or 2 for 'I' (Inclusive VAT)
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- Enter in the tax rate or value via dial button pad
OR
Press Volume button to make selection
If valid entry, system advances cursor
- Enter name using above table and press Right Soft button to return to step 2

DISPLAY

```
TAX RATE (1)
TYPE:% VAL:00.00
```

```
TAX RATE (2)
TYPE:% VAL:00.00
```

```
TAX RATE (2)
TYPE:C VAL:00.00
```

```
TAX RATE (2)
TYPE:C VAL:01.25
```

```
TAX RATE (2)
NAME:MIA BED
```

6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

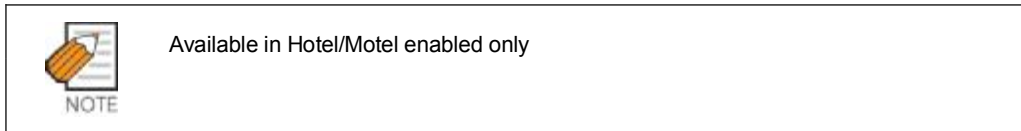
All rates are %

RELATED ITEMS

MMC 760 ITEM COST TABLE

762 ROOM COST RATE

This MMC allows the technician to set up the cost rates according to week. Each room cost Rate can be assigned with the percentage of the room cost from Sunday to Saturday.



Example) If you set SUN : 150 %, 1. MON : 100 %, 2.TUE : 090 % ...

If you set \$100 for the room cost in CHECK-IN procedure under above condition. The real room cost will be \$150 on Sunday and \$90 on Tuesday.

PROGRAM KEY

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 762
Display shows
2. Dial day number(0-6, e.g., 2)
OR
Press Volume button to select day and press Right Soft button to move cursor.
3. Enter room cost rate(001-999, e.g., 090)
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
RM COST RAT (SUN)
100% :
```

```
RM COST RAT (TUE)
100% :
```

```
RM COST RAT (TUE)
100% :090
```

DEFAULT DATA

All rates are 100 %

RELATED ITEMS

MMC 760 ITEM COST TABLE

800 ENABLE TECHNICIAN PROGRAM

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 will be displayed.

A four digit passcode is required to access this MMC. Each character can be digits 0-9. When opened, this MMC enables access to all MMCs.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

DISPLAY

1. Press Transfer button and enter 800 Display shows	ENABLE TECH.PROG PASSCODE :
2. Enter passcode	ENABLE TECH.PROG PASSCODE:****
Correct code shows	ENABLE TECH.PROG DISABLE TENANT:1
Incorrect code shows	ENABLE TECH. PROG PASSCODE ERROR
3. Enter 1 to enable or 0 to disable OR Press Volume button to select and press RIGHT Soft button to move tenant number and enter tenant number(1-2)	ENABLE TECH.PROG ENABLE TENANT:1
4. Press Speaker button to advance MMC entry level	801:TEC.PASSCODE SELECT PROG.ID
5. Enter the MMC desired(e.g., 209)	209:AOM MASTER AOM NOT EXIST

6. To log out and return to MMC 800, press
Volume button to select DISABLE
OR
Press Speaker button then TRANSFER to return
to normal display
Programming option will time out

DEFAULT DATA

DISABLE

RELATED ITEMS

MMC 801 CHANGE TECHNICIAN PASSCODE

801 CHANGE TECHNICIAN PASSCODE

Used to change the passcode which allows access to MMC 800 Enable Technician Program from its current value.



The passcode is four characters long. Each character can be digits 0-9. The current or old passcode is required for this MMC.

PROGRAM BUTTONS

KEYPAD	Used to enter passcodes
SPEAKER	Save data and advance to next MMC

ACTION

1. Press Transfer button and enter 801
2. Enter new passcode
3. Enter new passcode again
4. If passcode is correct, press RIGHT soft key to continue and enter desired MMC

If passcode is incorrect

System returns to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
TECH. PASSCODE
NEW CODE: _
```

```
TECH. PASSCODE
NEW CODE:****
```

```
TECH. PASSCODE
VERIFY :****
```

```
TECH. PASSCODE
VERIFY :SUCCESS
```

```
TECH. PASSCODE
VERIFY :FAILURE
```

```
TECH. PASSCODE
NEW CODE:****
```

DEFAULT DATA

DEFAULT PASSCODE=4321

RELATED ITEMS

MMC 800 ENABLE TECHNICIAN PROGRAM

802 CUSTOMER ACCESS MMC NUMBER

Allows the System Administrator to have access to certain MMCs. For example, it is required that the System Administrator customer have access to MMC 102 Call Forward for call forwarding but it is not required that the System Administrator have access to MMC 710 LCR Digit Table for LCR dial plans. This MMC is for both tenants.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 802
Display shows
2. Enter desired tenant number(1-2) via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter desired MMC number via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Enter 1 for YES or 0 for NO via dial keypad
OR
Press Volume button to make selection and press Left Soft button to return to step 3 to make additional entries
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
CUST.USE MMC :1
100:STN LOCK:YES
```

```
MMC TENANT:1
100:STN LOCK:YES
```

```
MMC TENANT:1
102:CALL FWD:YES
```

```
MMC TENANT:1
102:CALL FWD:NO
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

803 ASSIGN TENANT GROUP

Allows the assignment of tenant groups on a per-cabinet, slot and port basis. The simple rule is Cabinet-Slot-Port=Tenant. The simplicity of this program allows for flexible assignments. The only information needed is the correct correlation of entries.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 803
Display shows
2. Enter cabinet number if no change press
Right Soft button to move cursor
3. Enter slot number if no change press RIGHT
Soft button to move cursor
4. Enter port number if no change press
Right Soft button to move cursor
5. Enter tenant number if no change press
Right Soft button to return to step 2
6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
TENANT GROUP
C:1 S:1 -01 T:1
```

```
TENANT GROUP
C:1 S:1 -01 T:1
```

```
TENANT GROUP
C:1 S:2 -01 T:1
```

```
TENANT GROUP
C:1 S:2 -03 T:1
```

```
TENANT GROUP
C:1 S:2 -03 T:2
```

DEFAULT DATA

ALL ASSIGNMENTS TENANT 1

RELATED ITEMS

TENANT GROUP

804 SYSTEM I/O PARAMETER

Provides a means of assigning a system I/O port for use with one of the service types detailed below. A system has two SIO ports defined as IOM ports 2 and 3 and an optional modem port defined as port 5. In order for remote programming to work correctly the modem port must be assigned as PCMMC.

0	SERVICE	Service Type	
	00	NOT USE	not used
	01	PCMMC	Connects PCMMC
	02	SMDR	SMDR print
	03	UCD REPT	UCD report
	04	UCD/SMDR	UCD report and SMDR print
	05	CTI	Connects CTI
	06	CTI/SMDR	Connects CTI with SMDR data
	07	CTI/UCD	Connects CTI with UCD data
	08	CTI/S/U	Connects CTI with SMDR data and UCD data
	09	TRAFFIC	Call Traffic data print
	10	TRF/SMDR	Call Traffic data and SMDR print
	11	ALARM	System Alarm report
	12	ALM/TRAF	System Alarm data and Call Traffic data print
	13	PERI UCD	Periodic UCD report
	16	HM REPT	Hotel/Motel report(Hotel/Motel related)
	17	PMS	PMS data print(Hotel/Motel related)
	18	PMS SMDR	PMS data and SMDR print(Hotel/Motel related)
	19	BD-PMS	Connects Bi-directional PMS (Hotel/Motel related)
	27	UCD VIEW	UCD view data print(MMC 860 enabled only)
28	UV/SMDR	UCD view data and SMDR print (MMC 860 enabled only)	
29	UV/CTI	Connects CTI with UCD view (MMC 860 enabled only)	
30	REMO M/A	Connects Remote M&A	
1	BAUD	Baud Rate(Speed)	
	0	4800 bps	
	1	9600 bps	
	2	19200 bps	
	3	38400 bps	

2	CHAR LENG	Character Length	
	7	7 bits	
	8	8 bits	
3	PARITY	Parity Bit	
	0	NONE	
	1	ODD	
	2	EVEN	
4	RETRY COUNT	Retry count: 01-99	
5	STOP BIT	Stop Bit	
	1	1 BIT	
	2	2 BIT	
6	WAIT TIME	Wait Time : 0-99900 ms for ENQ/ACK, 0-3600 sec for NORMAL	
7	DTR CHECK	Disconnect check on/off	
	0	NONE	
	1	ODD	
	2	EVEN	

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear entry(when valid)

ACTION

- Press Transfer button and enter 804
Display shows
- Enter desired port via dial keypad(e.g., 2)
OR
Press Volume button to make selection and press Right Soft button to move cursor
- Enter desired parameter via dial keypad(e.g., 1)
OR
Press Volume button to make selection and press Right Soft button to move cursor

DISPLAY

```
SYS I/O PORT (1)
SERVICE:PC-MMC
```

```
SYS I/O PORT (2)
SERVICE:SMDR
```

```
SYS I/O PORT (2)
BAUD:9600 BPS
```

4. Enter parameter data via dial keypad.
OF
Press Volume button to make selection and press
Right Soft button to return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
SYS I/O PORT (2)
BAUD:19200BPS
```

DEFAULT DATA

SERVICE PORT 2	PCMMC
PORT 3	SMDR
BAUD RATE	19200 BPS
CHAR LENGTH	8 BITS
PARITY	NONE
RETRY COUNT	03
STOP BIT	1 BIT
WAIT TIME	03000 MSEC or 30 SEC
DTR CHECK	OFF

RELATED ITEMS

MMC 725 SMDR OPTIONS
 MMC 860 UCD VIEW
 PCMMC, CTI, UCD, SYSTEM ALARM, CALL TRAFFIC,

805 LEVEL AND GAIN

Allows the system administrator to set the base level of the TX volume on phones system wide. There are eight(8) levels those are able to be controlled by the Volume button on phone. And maximum controllable levels in the system are ten (10). Phone station users can vary eight levels. So this MMC gives the most flexibility to the system administrator so he can classify any desired eight(8) levels within eleven(11).

0	TX LEVEL CONTROL	Adjusts the transmitting sensitivity(Max. : 9) Default values are followed :
		INDEX : 0 1 2 3 4 5 6 7
		LEVEL : 1 2 4 3 5 6 7 8
1	MISC TSW GAIN	Adjusts the level of the internal music source of the MCP card or the external music source of the MISC card.(0~7, higher numbers mean lower levels) Default value is 0.
2	TSW GAIN CONTROL	Adjusts the tone sensitivity(As shown below, there are 8 types of matrix connections of the T-Switch that adjusts the tone sensitivity. Connection between Trunk lines are only applicable when set as 0 in MMC 426.) 0 DGP DLI phone 1 SLT SLI phone 2 ATRK Analog trunk 3 DTRK Digital trunk 4 DECT DECT terminal 5 VOIP MGI port or IP-based phone 6 SVMi SVMi port 7 WLI WLI port

Default values are followed :

	RX	DGP	SLT	ATRK	DTRK	DECT	VOIP	SVMi	WLI
TX									
DGP→		0.0	0.0	0.0	0.0	-6.0	0.0	-6.0	0.0
SLT→		0.0	-2.5	0.0	-2.5	-6.0	0.0	-6.0	0.0
ATRK→		0.0	0.0	+1.9	-6.0	-6.0	0.0	-6.0	0.0
DTRK→		0.0	-2.5	+1.9	0.0	-6.0	0.0	-6.0	0.0
DECT→		0.0	0.0	0.0	+1.9	-6.0	0.0	-6.0	0.0
VOIP→		0.0	0.0	0.0	0.0	-6.0	0.0	-6.0	0.0
SVMi→		0.0	0.0	0.0	0.0	-6.0	0.0	-6.0	0.0
WLI→		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



This MMC should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 805
Display shows
2. Press Volume button to make selection(0-3)

After selection is made, press Right Soft button to move cursor.
3. (When the TX LEVEL CONTROL is selected)
 - a. Select the desired volume level via dial keypad
OR
Press Volume button to go to the next volume level and press Right Soft button.
 - b. Enter desired volume data via dial pad
OR
4. (When the MISC TSW GAIN is selected)
 - a. Enter desired MISC/BGM tsw gain via dial keypad
OR
Press Volume button to select desired MISC/BGM tsw gain and press Right Soft button.
5. (When the TSW GAIN CONTROL is selected)
 - a. Select the TX tsw connect type via dial button pad
OR
Press Volume button to go to the next TX tsw connect type and press Right Soft button.

DISPLAY

```
TX LEVEL CONTROL
LEVEL 0→0
```

```
TX LEVEL CONTROL
LEVEL 1→1
```

```
TX LEVEL CONTROL
LEVEL 1→1
```

```
TX LEVEL CONTROL
LEVEL 1→3
```

```
MISC TSW GAIN
BGM/MOH :0
```

```
TSW GAIN CONTROL
SLT→DGP :+0.0
```

- b. Select the RX tsw connect type via dial button pad
OR

```
TSW GAIN CONTROL  
SLT→ATRK:+0.0
```

Press Volume button to go to the next RX tsw connect type and press Right Soft button.

- c. Enter desired tsw gain control data via dial pad
OR

```
TSW GAIN CONTROL  
SLT→ATRK:+1.9
```

Press Volume button to scroll data and press Right Soft button

7. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

NONE

806 CARD PRE-INSTALL

Allows the preprogramming of a card slot for a specific board type. A board inserted into a system will not be recognized by the system until it is ENABLED using this MMC. Cards installed using MMC 806 will NOT be assigned in the system numbering plan. You must then use MMC 724 to assign the desired directory numbers to extensions, trunks, AA, ports or miscellaneous functions. This MMC also shows which PSU is powering the card selected.

POWER STATUS

N : 48V Power does not used.

A : 1st Power is used.(1st Power type=PSU 60)

B : 2nd Power is used.(2nd Power type=PSU 60)

1 : 1st Power is used.(1st Power type=PSU-B)

2 : 2nd Power is used.(2nd Power type=PSU-B)

[xx] : The maximum port count which 48V power is supplied.



If a card is removed and a different type card is inserted and this MMC is performed, the memory associated with that card(e.g. key programming, etc.) will be erased.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

- Press Transfer button and enter 806
Display shows
- Press Volume button to make selection (e.g. Cabinet 1) and press Right Soft button
- To select which slot to address press Volume button to make selection
OR
Use the dial pad to make a selection(e.g. Slot 6) and press Right Soft button

DISPLAY

```
C:1 S:1 P:1[16]
8 DLI→8 DLI
```

```
C:1 S:1 P:1[16]
8 DLI→8 DLI
```

```
C:1 S:6 P:2[16]
16 DLI→16 DLI
```

4. Press Volume button to make selection or use the DIAL to select (1=yes 0=no).

```
C:1 S:6 P:2[16]
RESET CARD ? NO
```

5. Press Volume button to make selection or use the DIAL to select (1=yes 0=no).
and press Right Soft button to return to Step 1
Continue to add cards as shown in step 2
OR
Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
C:1 S:6 P:2[16]
ARE YOU SURE?NO
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

807 PHONE VOLUME CONTROL

Allows the system administrator to set the level of phone volume.

- 0 KEY TONE VOL
- 1 SIDETONE VOL
- 2 HANDSET TX
- 3 MIC TX LEVEL
- 4 NOISE GUARD
- 5 NOISE THRES
- 6 ALC THRES.
- 7 TX/RX THRES.
- 8 TX/RX COMP.
- 9 MIN RX VOL(28D Only)

FX

- 0 LINE VOLUME
- 0 SPEAKERER VOLUME
- 1 NOR.LP ATTEN
- 2 MIC LP ATTEN
- 3 ACOU DECOUPL
- 4 ELEC DECOUPL
- 5 T/R RATIO
- 6 R/T RATIO



This MMC should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION**DISPLAY**

1. Press Transfer button and enter 807
Display shows
2. Enter phone type via dial keypad
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
3. Enter volume item via dial keypad
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
4. Enter volume data via dial keypad
OR
Press Volume button to make selection and
press Right Soft button to save and return step
3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
VOL. CONTROL:US24
KEY TONE VOL:1
```

```
VOL. CONTROL:EU24
KEY TONE VOL:1
```

```
VOL. CONTROL:EU24
SIDETONE VOL:1
```

```
VOL. CONTROL:EU24
HANDSET TX :6
```

DEFAULT DATA

DEPEND ON PHONE TYPE

21D

```
KEY TONE VOL : 1
SIDETONE VOL : 1
HANDSET TX : 4
MIC TX LEVEL : 3
NOISE GUARD : 8
NOISE THRES. : 1
ALC THRES. : 7
TX/RX THRES. : 3
TX/RX COMP. : 5
MIN RX VOL : 6
```

FX

LINE VOLUME : 3

SPKER VOLUME : 14

NOR.LP ATTEN : 4

MIC LP ATTEN : 4

ACOU DECOUPL : 8

ELEC DECOUPL : 8

T/R RATIO : 2

R/T RATIO : 2

RELATED ITEMS

NONE

809 SYSTEM MMC SANGUAGE

Allows system programmer to assign a LCD display based on system programming language.

- 0. ENGLISH
- 1. GERMAN
- 2. PORTUGAL

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 809
Display shows
2. Enter desired language number via dial button pad.
OR press Volume button to make selection and press Right Soft button
3. Press Transfer button and enter to exit OR
Press Speaker button to advance next MMC

DISPLAY

```
SYS.MMC LANGUAGE
ENGLISH
```

```
SYS.MMC LANGUAGE
GERMAN
```

DEFAULT DATA

ENGLISH

RELATED ITEMS

MULTIPLE LANGUAGE

810 HALT PROCESSING

Used only in the event that all data processing needs to be stopped either in a single cabinet slot or in the entire system.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select ALL

ACTION

1. Press Transfer button and enter 810
Display shows
2. Enter cabinet selection via dial keypad
OR
Press Volume button to make selection and press Right Soft button to advance cursor

Press ANS/RLS button to select all cabinets and slots
3. Enter slot number via dial keypad
OR
Press Volume button to make selection and press Right Soft button to advance cursor
4. Enter 1 for HALT or 0 to PROC
OR
Press Volume button to make selection and press Right Soft button to enter and return to step 2
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
HALT/PROCESSING
C:ALL S:ALL→PROC
```

```
HALT/PROCESSING
C:1 S:ALL→PROC
```

```
HALT/PROCESSING
C:ALL S:ALL→PROC
```

```
HALT/PROCESSING
C:1 S:2→PROC
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

811 RESET SYSTEM

Provides two methods of restarting the system. The first method restarts the system and clears all memory. The second method restarts 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 the system returns to defaulted status.

0	RESET SYSTEM	System reset only with Smart Media read.
1	CLEAR MEMORY	System reset and make default system with Smart Media read.
2	FAST RESTART	System reset only without Smart Media read.

PROGRAM BUTTONS

VOLUME Used to scroll through options
 KEYPAD Used to enter selections
 SOFT BUTTONS Move cursor left and right

ACTION

1. Press Transfer button and enter 811
 Display shows
2. Enter reset type(0-2) via dial keypad.
 OR
 Press Volume button to make selection and
 press Right Soft button to move cursor
3. Dial 1 for YES or 0 for NO.

 Press Volume button to make selection and
 press Right Soft button
4. Dial 1 for YES or 0 for NO.

 Press Volume button to make selection and
 press Right Soft button

DISPLAY

```
SYSTEM RESTART
RESET SYSTEM?NO
```

```
SYSTEM RESTART
CLEAR MEMORY?NO
```

```
SYSTEM RESTART
CLEAR MEMORY?YES
```

```
SYSTEM RESTART
ARE YOU SURE?YES
```

5. If clear memory, 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

812 SET COUNTRY CODE

This MMC must be run by the installer before any other programming is done.

Allows the system installer to select system software country. If you change the country selection, the system will be restart and all customer data returns to defaulted status according to the selected country.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 812
Display shows
2. Press Volume button to make selection and press Right Soft button
3. Press Volume button to select Yes or No and press Right Soft button

DISPLAY

```
SELECT COUNTRY
Undefined
```

```
SELECT COUNTRY
RUSSIA/CIS
```

```
DEFAULTING SYSTEM
ARE YOU SURE?NO
```



if you select YES, this will restart the system and all data make default.

4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

According to MCP2 DIP S/W.

RELATED ITEMS

All MMC

813 HOTEL OPERATION

Allows the system installer to enable the HOTEL feature.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 813
Display shows

```
HOTEL OPERATION
DISABLE
```

2. Dial 1 for ENABLE or 0 for DISABLE.

Press Volume button to make selection and press Right Soft button

```
HOTEL OPERATION
ENABLE
```

3. Dial 1 for YES or 0 for NO.

Press Volume button to make selection and press Right Soft button

```
HOTEL OPERATION
CHANGE NOW ? NO
```

4. Dial 1 for YES or 0 for NO.

Press Volume button to make selection and press Right Soft button

```
HOTEL OPERATION
ARE YOU SURE?NO
```

5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DEFAULT DATA

DISABLE

RELATED ITEMS

Hotel Related MMC

815 CUSTOMER DATABASE COPY

Provides a means to copy the customer database to the SMDB(Smart Media card Data Base). This enables the on board database(SRAM) to be copied to the SMDB and also allows the SMDB database to be copied to the on board database. A daily save can be programmed to automatically save the on board data base to the SMDB. This insures that an up to date database is always available in the case of a catastrophic failure. A daily save time of 00:00 means there is no save performed. It is recommended to CLEAR the SMDB before the SRAM is copied to it. When the SRAM is copied to the SMDB there is no interruption in service. If the SMDB is copied to the SRAM the system will reset to accept the new data.

SMDB	Smart Media card database
SRAM	MCP2 On-Board database
S:mm/dd/yy hh:mm	Indicates the time the database was saved to the SMDB or the time the SRAM was last saved
DAILY SAVE hh:mm	The time the SRAM will be saved to the SMDB



A Smart Media Card of 16 MB or 32 MB must be installed in order to copy the on board database(SRAM) on to the Smart Media card(SMDB).

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

- Press Transfer button and enter 815
Display shows

If the Smart Media is used already, the display shows
- Press Right Soft button to move cursor
- Press Volume button to make selection and press Right Soft button to move cursor

DISPLAY

```
CUST DBASE:SMDB
S:12/01/01 00:00
```

```
CUST DBASE:SMDB
SMART IS BUSY
```

```
CUST DBASE:SMDB
S:12/01/01 00:00
```

```
CUST DBASE:SMDB
CLEAR SMDB :NO
```

- | | |
|---|--------------------------------------|
| 4. Press Volume button to select YES or NO and press Right Soft button | CUST DBASE:SMDB
CLEAR SMDB :YES |
| 5. Press Volume button to select YES or NO and press Right Soft button | CUST DBASE:SMDB
ARE YOU SURE?NO |
| If you select YES, the display shows | CUST DBASE:SMDB
Cleared.... |
| 6. Press Volume button to make selection and press Right Soft button to move cursor | CUST DBASE:SRAM
DAILY SAVE:00:00 |
| 7. Press Volume button to make selection and press Right Soft button to move cursor | CUST DBASE:SRAM
DAILY SAVE:00:00 |
| 8. Input save time
OR
Press Right Soft button to move cursor | CUST DBASE:SRAM
DAILY SAVE:23:30 |
| 9. Press Volume button to make selection and press Right Soft button to move cursor | CUST DBASE:SRAM
COPY TO SMDB:NO |
| 10. Press Volume button to make selection and press Right Soft button to make change and return to the step 9 | CUST DBASE:SRAM
ARE YOU SURE?:YES |
| 11. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC | |

DEFAULT DATA

DAILY SAVE 00:00(no daily save)

RELATED ITEMS

NONE

816 CONFERENCE GAIN

Provides a tool to adjust the gain or loss of stations and trunks in the conference bridge. This is made available to allow for the adjustment of the conference bridge due to permanent unsatisfactory Trunk Line conditions that may inhibit a satisfactory conference bridge. Programming adjustments can be made on individual conference analog trunk members.

MEMBER	This identifies which size of conference the adjustment will be made for. ie. 3,4 or 5 party conference.
A-TRK	This identifies which analog trunk member that is being addressed.
CNF	This is the gain or loss adjustment in the conference bridge.
SW	This is the gain or loss adjustment in the time division switch.



This MMC is not to correct low volume. To be used with the support of local SAMSUNG Electronics Co. distributor.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 816
Display shows
2. Press Volume button to make selection and press Right Soft button to make change and to move cursor
3. Dial 3,4 or 5.(e.g., 4 part conference bridge.)
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Dial 0 to 4.(e.g., 2 analog trunk member)
OR
Press Volume button to make selection and press Right Soft button to move cursor

DISPLAY

```
CONFERENCE GAIN
USE DEFAULT :YES
```

```
CONFERENCE GAIN
USE DEFAULT :NO
```

```
MEMBER: 4 A-TRK: 0
CNF: -6.0 SW: +0.0
```

```
MEMBER: 4 A-TRK: 2
CNF: -6.0 SW: 2.5
```

5. Press Volume button to select CNF gain and press
Right Soft button to move cursor

MEMBER: 4 A-TRK: 2
CNF: -6.0 SW: 2.5

6. Press Volume button to select SW gain and press
Right Soft button to save and move cursor

MEMBER: 4 A-TRK: 2
CNF: -6.0 SW: -6.0

7. Press TRSF to exit
OR
Press SPK to next MMC

DEFAULT DATA

USE DEFAULT : YES

MEMBER	A-TRK	0	1	2	3	4
3	CNF	-2.5	-2.5	-2.5		
	SW	+0.0	+0.0	-2.5		
4	CNF	-6.0	-6.0	-6.0	-6.0	
	SW	+0.0	+0.0	-2.5	-6.0	
5	CNF	-6.0	-6.0	-6.0	-6.0	-6.0
	SW	+0.0	+0.0	-2.5	-6.0	-6.0

RELATED ITEMS

NONE

818 PROGRAM DOWNLOAD

Change the version by downloading new version program stored Smart Media card to MCP2, SCP2/ LCP2 or TEPRI card.

PROGRAM BUTTONS

VOLUME Used to scroll through options
 KEYPAD Used to enter selections
 SOFT BUTTONS Move cursor left and right

ACTION

1. Press Transfer button and enter 818
Display shows
2. Press Volume button to select program type and press Right Soft button to move cursor.
3. Press Volume button to select YES and press Right Soft button to move cursor
If you select MCP program download, the system will restart.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
PGM DOWNLOAD
MPP:MPPLV203.PGM
```

```
PGM DOWNLOAD
SPP:SPP_V203.PGM
```

```
LAN PGM
DOWNLOAD NOW?NO
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 819 SMART MEDIA FILE CONTROL

819 SMART MEDIA FILE CONTROL

This MMC uses display file sizes and clear file on Smart Media card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
HOLD	Clear Smart Media file

ACTION

1. Press Transfer button and enter 819
Display shows
2. Press Volume button to select program type and press Hold button to move cursor delete selection.
3. Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button to delete file and move cursor step 2.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
STARTUP.PRE
sz:79288 bytes
```

```
MPPLV203.PGM
sz:6783488 bytes
```

```
MPPLV203.PGM
DELETE FILE? NO
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 818 PROGRAM DOWNLOAD

820 ASSIGN SYSTEM LINK ID

This MMC is used to assign the system link ID for PRI and VoIP networking. Up to 50 link IDs can be entered including SELF ID. In addition each Link ID is also associated with the IP address of the MCP2 card for that system and IP address type.

LINK ID	System ID for networking feature.
SIGNAL G/W	System IP address for VoIP networking
IP TYPE	System IP address type for VoIP networking. SELF system IP address type determines 'SYSTEM IP TYPE' on MMC 830.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC
HOLD	Used to delete an entry

ACTION

1. Press Transfer button and enter 820
Display shows
2. Enter SELF link ID via dial keypad and press Right Soft button
3. Press Volume button to select other link ID and press Right Soft button to move cursor.
4. Enter other link ID via dial keypad and press Right Soft button
5. Press Transfer button and enter button to exit.
OR
Press Speaker button to advance next MMC

DISPLAY

```
SYSTEM LINK ID
SELF :
```

```
SYSTEM LINK ID
SELF :11
```

```
SYSTEM LINK ID
NO.01:
```

```
SYSTEM LINK ID
NO.01:22
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 821 ASSIGN NETWORK TRUNK
 MMC 823 ASSIGN NETWORK COS
 MMC 824 ASSIGN NETWORK DIAL TRANSLATION
 MMC 830 ETHERNET PARAMETER

821 ASSIGN NETWORK TRUNK

Assigns the Q-signaling PRI trunk for networking. It is assigned data on a per-TEPRI card basis.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 821
Display shows
2. Enter first trunk number of PRI card
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter 0 for NORMAL , or 1 for Q-SIGNALING
OR
Press Volume button to make selection and press Right Soft button to save and move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[701] Q-SIG TRK
NORMAL
```

```
[701] Q-SIG TRK
NORMAL
```

```
[701] Q-SIG TRK
Q-SIGNALING
```

DEFAULT DATA

NORMAL

RELATED ITEMS

NONE

822 SET VIRTUAL EXTENSION TYPE

Assigns the virtual extension port type. The virtual extension port types are followed :

00	SLT	Emulates SLI port
01	24 BTN SET	24 buttons phone
02	12 BTN SET	12 buttons phone
03	7 BTN SET	7 buttons phone
04	6 BTN SET	6 buttons phone
05	28 BTN SET	28 buttons phone
06	18 BTN SET	18 buttons phone
07	8 BTN SET	8 buttons phone
08	38 BTN SET	38 buttons phone
09	21 BTN SET	21 buttons phone
10	14 BTN SET	14 buttons phone
11	LARGE SET	Large LCD phone
12	NONE	not used

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
ANS/RLS	Used to select all

ACTION

1. Press Transfer button and enter 822
Display shows
2. Enter virtual extension number
OR
Press Volume button to make selection and press
Right Soft button to move cursor
OR
Press ANS/RLS button to select all.

DISPLAY

```
[3501]PORT TYPE
SLT
```

```
[3502]PORT TYPE
SLT
```

```
[ALL] PORT TYPE
SLT
```

3. Enter virtual extension type
OR
Press Volume button to make selection and press
Right Soft button to save and move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
[3501]PORT TYPE  
21 BTN SET
```

DEFAULT DATA

3501-3546 : SLT
3401-3480 : 21 BTN SET

RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

823 ASSIGN NETWORK COS

Assigns the class of service for networking.

	OPTIONS	DEFAULT	DESCRIPTION
01	CALL OFFER	Y	Call Offer
03	CC PATH RSV	Y	CC Path Reservation
04	CC SIG CONN	Y	CC Retention of Signal Connection
05	CC SVC RETN	Y	CC Service Retention
06	CCBS	N	Call Completion to Busy Subscriber
07	CCNR	N	Call Completion on No Reply
08	CFB	Y	Call Forward Busy
09	CFNR	Y	Call Forward No Reply
10	CFU	Y	Call Forward Unconditional
11	CI	N	Call Intrusion
12	CI CAPABIL	2	Intrusion Capability Level(1~3)
14	CI PROTECT	2	Intrusion Protection Level(0~3)
23	CONP LEVEL	3	CONP Level(0 : none, 1 : Alert, 2 : Busy, 3 : Both)
26	CT RE-ROUTE	N	Transfer By Rerouting
27	DND TONE	N	DND Announcement
28	DNDO	Y	Do Not Disturb Override
29	DNDO CAPABL	2	DNDO Capability Level(0~3)
30	DNDO PROTEC	2	DNDO Protection Level(1~3)
31	PATH REPL.	Y	Path Replacement
32	PATH RETEN	N	Path Retention

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 823
Display shows
2. Dial the class of service number(01-30)
OR
Press Volume button to select and press
Right Soft button to move cursor
3. Dial the feature number
OR
Press Volume button to select and press
Right Soft button to move cursor
4. Enter 0 for NO, or 1 for YES
OR
Press Volume button to select YES or NO and
Press Right Soft button to store data
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
NETWORK COS (01)
01:CALL OFFER :Y
```

```
NETWORK COS (02)
01:CALL OFFER :Y
```

```
NETWORK COS (02)
03:CC PATH RSV:Y
```

```
NETWORK COS (01)
03:CC PATH RSV:N
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 301 ASSIGN STATION COS

824 NETWORK DIAL TRANSLATION

Assigns the digit translation table used for networking. Generally under networking condition, you must dial the node ID and extension number to call the another node extension. It's not convenient. In this MMC, the system provides the easy digit translation of NETWORK LCR DIAL number. The translated digits are works like as LCR plus translated digits. Using this MMC, you only dial the another node extension number and call the another node extension simply. The system provides 96 entry of network dial translation.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

DISPLAY

1. Press Transfer button and enter 824
Display shows

```
01:601→
SZ:0 MAX:00 MB:N
```

2. Dial the entry number
OR
Press Volume button to select and press
Right Soft button to move cursor

```
01:601→_
SZ:0 MAX:00 MB:N
```

3. Enter digit string(max. 8digits) and press
Right Soft button to move cursor

```
01:601→60201
SZ:0 MAX:00 MB:N
```

4. Enter the minimum number of user dialled digits
OR
Press Volume button to select and press
Right Soft button to move cursor

```
01:601→60201
SZ:3 MAX:00 MB:N
```

5. Enter the waiting number of dial until LCR is
operated
OR
Press Volume button to select and press
Right Soft button to move cursor

```
01:601→60201
SZ:3 MAX:06 MB:N
```

6. Enter YES/NO to assign Mail Box for remote extension automatically
OR
Press Volume button to select YES/NO and press Right Soft button to move cursor
7. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

```
01:601→60201
SZ:3 MAX:06 MB:N
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 710 LCR DIGIT TABLE
MMC 724 DIAL NUMBERING PLAN
MMC 820 ASSIGN SYSTEM LINK ID

825 ASSIGN NETWORKING OPTION

Assigns the options used for networking.

0	ADD NUMBER TO NAME	Assign to includes the extension number in the name field of Q-SIG standard message.
1	USE REMOTE VM	Assign to use SVMi on remote system
2	REMOTE VM NUMBER	Assign to access number of remote SVMi when the Remote VM is used
3	REMOTE CID NUMB	Assign to use delete node number when CID number send to SVMi.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 825
Display shows
2. Dial the option number
OR
Press Volume button to select and press RIGHT Soft button to move cursor
3. Dial 1(YES) or 0(NO)
OR
Press Volume button to select YES/NO and press
Right Soft button to mover cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
ADD NUMB TO NAME
YES
```

```
USE REMOTE VM
NO
```

```
USE REMOTE VM
YES
```


DEFAULT DATA

ADD NUMB TO NAME : YES
USE REMOTE VM : NO
REMOTE VM NUMBER : NONE
REMOTE CID NUMB : YES

RELATED ITEMS

MMC 710LCR DIGIT TABLE
MMC 724DIAL NUMBERING PLAN
MMC 820ASSIGN SYSTEM LINK ID
MMC 824NETWORK DIAL TRANSLATION

826 ASSIGN SYSTEM REFERENCE CLOCK

The system clock may be synchronized with a external clock source from TEPRI card, PRI card or BRI card or use the internal clock source. In this MMC, you can select to use internal clock source and assign the system clock source priority when the external clock source is used. The external clock source of TEPRI card, PRI card or BRI card only can be selected.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 826
Display shows
2. Dial the priority number(1-9 or 1-3)
OR
Press Volume button to select and press
Right Soft button to move cursor
3. Dial the priority data
OR
Press Volume button to select and Press
Right Soft button to store
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
REFERENCE CLOCK
PRIORITY 1:C1-S1
```

```
REFERENCE CLOCK
PRIORITY 1:C1-S1
```

```
REFERENCE CLOCK
PRIORITY 1:C1-S1
```

DEFAULT DATA

```
PRIORITY 1 : C1-S1
PRIORITY 2 : C1-S2
PRIORITY 3 : C1-S3
PRIORITY 4 : C2-S1
PRIORITY 5 : C2-S2
PRIORITY 6 : C2-S3
PRIORITY 7 : C3-S1
PRIORITY 8 : C3-S2
PRIORITY 9 : C3-S3
```

RELATED ITEMS

NONE

829 LAN PRINTER PARAMETER

This program sets the various parameters required for printing to a LAN connected device.

The eight types of data listed below can be displayed using the LAN printer.

- 01 SMDR
- 02 UCD REPORT
- 03 TRAFFIC REPORT
- 04 ALARM REPORT
- 05 UCD VIEW
- 06 PERIODIC UCD
- 07 HOTEL REPORT
- 08 PMS

The items that are set in this program are listed below.

	OPTIONS	DEFAULT	DESCRIPTION
00	DATA TYPE		Type of data to be displayed
01	CURR STATUS	OFF	Current status of the LAN printer
02	EMPTY BUFF	NO	Prints all data left in the buffer
03	UPDATE LAN	NO	Applies modified items
04	DESTINATION	OFF	Data transmit destination(Off, Printer, PC, Both)
05	PRINTER IP	200.1.1.1	The IP address of the LAN printer
06	PRINTER TCP	10010	The TCP port of the printer
07	LAN TCP	10020	LAN TCP port
08	RETRY COUNT	03	Re-transmit attempt count(00~10)
09	RETRY WAIT	010 sec	Wait time for re-transmit(005~250 sec)
10	PJL ENABLE	FALSE	Sets PJL(0. FALSE, 1. TRUE)
11	LANGUAGE	RAW	Printer language(0. RAW, 1. PCL, 2. PS)
12	PAPER SIZE	A4	Paper size(0. A4, 1. LETTER)
13	FONT TYPE	COURIER	Font type(0.COURIER, 1.TIMES NEW ROMAN)
14	DUPLEX ENAB	FALSE	Sets duplex(0. FALSE, 1. TRUE)
15	ORIENTATION	PORTRAIT	Orientation(0. PORTRAIT, 1. LANDSCAPE)
16	PRINT TRAY	DEFAULT	Printer tray(0.Default, 1.Tray1, 2.Tray2, 3.Manual)
17	RESOLUTION	300	Resolution(0.300, 1.600)
18	LINE/PAGE	60	Line per page

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 829
Display shows
2. Enter type of data to be printed
OR
Press Volume button to select the type and press the Right Soft button to move the cursor.
3. Enter the item number
OR
Press Volume button to select the item and press the Right Soft button to move the cursor.
4. Select the data
OR
Press the VOLUME to select the data and press the Right Soft button to move the cursor.
5. Press Transfer button and enter to exit the program
OR
Press Speaker button to move on to the next program.

DISPLAY

```
[01] DATA TYPE
SMDR
```

```
[02] DATA TYPE
UCD REPORT
```

```
[02] PRINTER IP
200. 1. 1. 1
```

```
[02] PRINTER IP
168.219. 83.101
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

NONE

830 ETHERNET PARAMETERS

This MMC provides a mean to configure the Internet Protocol(IP) addressing of the OfficeServ 500 system MCP2 card. This MMC must be utilized if there are ITP series phones and/or MGI cards used on the system.

00	SYSTEM IP ADDR	Specifies the IP address for the MCP2 card.
01	SYSTEM GATEWAY	Specifies the designated gateway IP address used for contacting IP devices beyond the local network subnet.
02	SYSTEM NET MASK	Specifies the IP subnet mask. This parameter is used by the system to calculate the range of IP devices(subnet) that are within 'direct reach' of the MCP2(without having to go through the designated network IP gateway).
03	SYSTEM RESET	Prompt to restart system MCP2 when system IP address is changed. This reset is same to FAST RESTART on MMC 811.
04	SYSTEM IP TYPE	Defines which IP addressing relationship is used for communications to and from the MCP2 card. 0 PRIVATE IP ONLY : The system assumes all IP phones and VoIP connections are on the same network. And all IP addresses are private IP address. 1 PRIVATE w PUBLIC : The system knows that there is a mixture of IP phones and VoIP connections on the same network and on remote network(s), thus communicates accordingly based upon the entries in MMC 840(for IP phones), MMC 838(for other VoIP gateways) or MMC 830(for other MCP2). 2 PRIVATE IP ONLY : The system assumes all IP phones and VoIP connections are on the same network. And all IP addresses are public IP address.
05	SYSTEM PUBLIC IP	The MCP2 will originate communications, to IP phones and VoIP connections outside the local network, using this IP address. Communications to/from this IP will require involvement of the MGI card. The system identifies communications to/from this address as 'public'. This allows devices, on remote networks/subnets, to establish communications with the system, without exposing your LAN. See 'SYSTEM IP TYPE'.
06	SYSTEM MAC ADDR	For your reference, and cannot be changed. The unique hardware (MAC) address of the MCP2 card.
07	PCMMC ADDRESS	When system wants connect to PCMMC, system will be send to this IP address for connection message. Reserved for future use.
08	REMOTE M/A ADDR	When system wants connect to remote M&A PC, system will be send to this IP address for connection message. Reserved for future use.



When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example) 192.168.1.10 input must be : 192 168 001 010



The first 3 parameters : SYSTEM IP ADDR, SYSTEM GATEWAY, and SYSTEM NET MASK are stored separate from the main system database, thus will not be defaulted when MMC811 'CLEAR MEMORY' is performed. Furthermore, any changes to these parameters will not be applied until the MCP2 is reset.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 830
Display shows the system IP address.
2. Press Volume button to make selection and
Press Right Soft button to move cursor.
3. Using the keypad enter three digit IP octet
numbers
IE 192 168 001 010 for 192.168.1.10
Cursor will return to Step 1 upon completion
of IP address entry.
4. Press Volume button to make selection and
Press Right Soft button to move cursor.
5. Using the keypad enter three digit IP octet
numbers
IE 192 168 001 001 for 192.168.1.1
Cursor will return to Step 5 upon completion
of system gateway entry.
6. Press Volume button to make selection and
press Right Soft button to move cursor.

DISPLAY

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
192.168.001.010
```

```
SYSTEM GATEWAY
165.213. 97. 1
```

```
SYSTEM GATEWAY
192.168.001.001
```

```
SYSTEM RESTART
ARE YOU SURE? NO
```

7. Press Volume button to make selection and press Right Soft button to store and move cursor.
8. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC.

SYSTEM RESTART
ARE YOU SURE? NO

DEFAULT DATA

SYSTEM IP ADDR : 165.213.97.185
SYSTEM GATEWAY : 165.213.97.1
SYSTEM NET MASK : 255.255.255.0
SYSTEM RESET : NO
SYSTEM IP TYPE : PRIVATE IP ONLY
SYSTEM PUBLIC IP : 1.1.1.1
SYSTEM MAC ADDR : CARD DEPENDANT
PCMMC ADDRESS : 168.219.1.101
REMOTE M/A ADDR : 168.219.1.102

RELATED ITEMS

MMC 615 MGI GROUP
MMC 831 MGI PARAMETERS
MMC 833 VOIP ADDRESS TABLE
MMC 838 PRIVATE IP ADDRESSES
MMC 840 IP SET INFO
MMC 841 SYSTEM IP OPTIONS

831 MGI PARAMETERS

This MMC provides a mean to configure the Internet Protocol(IP) addressing of the MGI card(s). This MMC must be utilized MGI card(s) used on the system.

0	IP ADDRESS	Specifies the IP address for the MGI card.
1	GATEWAY	Specifies the designated IP gateway address used for contacting IP devices beyond the local subnet.
2	SUB MASK	Specifies the IP subnet mask. This parameter is used by the system to calculate the range if IP devices(subnet) that are within 'direct reach' of the MGI(without having to go through the designated network IP gateway).
3	PUBLIC IP	The MGI will originate communications, to IP phones and VoIP connections outside the local network, using this IP address. If this IP address sets 0.0.0.0, 255.255.255.255 or default value then this MGI card uses private IP only. See System IP Type on MMC 830.
4	STS PERIOD	No entry required. Designates the timed message cycle to check the remote IP status of MGI3 S/W.
5	VERSION	No entry required. Used to indicate revision of MGI3 S/W.
6	MAC ADDR	For your reference, and cannot be changed. The unique hardware(MAC) address of the MGI card.
7	CARD RESET	Prompt to restart MGI card when IP address is changed. This use for MGI 1 and 2 only, MGI3 is self restart automatically.



This MMC cannot be accessed unless there is an MGI card installed in the system.



When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example) 192.168.1.10 input must be : 192 168 001 010



The first 3 parameters : IP ADDRESS, GATEWAY, and SUB MASK-changes to these parameters will not be applied until the MGI is reset.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 831
Display shows the first MGI card
2. Enter MGI number
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
3. Enter MGI parameter number
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
4. Enter MGI parameter
OR
Press Right Soft button to move cursor.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC.

DISPLAY

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
165. 10. 1.100
```

DEFAULT DATA

```
IP ADDRESS : 1.1.1.1
GATEWAY : 1.1.1.1
SUB MASK : 255.255.255.0
PUBLIC IP : 1.1.1.1
STS PERIOD : 00 SEC
VERSION : V4
CARD RESET : NO
```

RELATED ITEMS

```
MMC 615 MGI GROUP
MMC 830 ETHERNET PARAMETERS
MMC 838 PRIVATE IP ADDRESSES
MMC 840 IP SET INFORMATION
MMC 841 SYSTEM IP OPTIONS
```

832 VOIP ACCESS CODE

Provides a means to apply the Internet Protocol (IP) address to the VoIP gateway. This MMC also assigns the number of channels that can be used for IP faxes.

O/I	TABLE(00~62)	Outbound or Inbound table use for specific access codes. Usually when the MCP2 card is used as a VoIP gateway the Outbound table is used. The Inbound table is used to determine the number of digits to receive before processing the call. Each table has 63 entries(00~62).
0	ACCESS DGT	This is the access code that is used once the VoIP gateway is accessed; this directs a call based on the routing tables used. An access code table then references an access code and correlates an IP address to the access code for routing. A maximum of 8 digits are available.
1	DGT LENGTH	This field requests the number of digits that are expected to be received to make up the whole access code.
2	DEL.LENGTH	This is the number of digits to delete after receiving the access code. If no digits are deleted the access code will be sent as part of the call to the destination to continue routing at the far end destination.
3	INSERT DGT	This is the digit(s) to insert for routing at the destination. This can be used when different numbering plans exist or if a dial 9 access is needed to be inserted in the dialled digits.
4	IP TABLE 1	This is the first table referenced for routing the access code to an IP address. The system has 64 IP tables(00~63) with 16 entries(00~15) in each table. See MMC 833.
5	IP START	This entry indicates where in a table to start looking for an IP code to associate with the access code. This can be used to manage where to start looking for an IP address in high traffic VoIP gateway applications. Example) If IP address routing to the desired destination is known to be in the last 7 entries of a table the IP START location would be 8. IP address searching would start at entry 8.
6	GK USE	This parameter determines whether a H.323 Gatekeeper will be utilized to establish this connection.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION**DISPLAY**

- | | |
|--|--------------------------|
| 1. Press Transfer button and enter 832
Display shows the outbound and first access code | (O:00) ACCESS DGT
0 |
| 2. Enter 0 for O(outbound) or 1 for I(inbound) code table.
OR
Press Volume button to make select ion and press Right Soft button to move cursor. | (O:00) ACCESS DGT
0 |
| 3. Enter access code table number(00-62) via dial keypad.
OR
Press Volume button to make select ion and press Right Soft button to move cursor. | (O:01) ACCESS DGT
1 |
| 4. Enter access code item(0-6) via dial keypad.
OR
Press Volume button to make select ion and press Right Soft button to move cursor. | (O:01) ACCESS DGT
1 |
| 5. Enter access code data via dial keypad.
OR
Press Volume button to make select ion and press Right Soft button to save and move cursor. | (O:01) ACCESS DGT
840 |
| 6. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC. | |

DEFAULT DATA

ACCESS DGT : 00~09(digits 0~9), 10~62 NONE
 DGT LENGTH : 1
 DEL.LENGTH : 1
 INSERT DGT : NONE
 IP TABLE 1 : 00
 IP START : NONE
 GK USE : NO

RELATED ITEMS

MMC 833 VOIP ADDRESS TABLE
 MMC 834 H.323 OPTIONS
 MMC 836 H.323 GATEKEEPER OPTIONS
 MMC 837 SIP OPTIONS

833 VoIP IP TABLE

This MMC provides the IP addresses in tables pointed to by the VoIP code entry (MMC832). There are 63 tables with up to 16 entries each. The destination IP address is required to route dialled digits based on the access code and digits dialled. The IP entry field is divided into 4 sections allowing modification of separate IP address fields.



When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example) 192.168.1.10 input must be : 192 168 001 010

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 833.
Display shows the first table number.
2. Enter table number(00-62) via dial keypad.
OR
Press Volume button to make select ion and press Right Soft button to move cursor.
3. Enter entry number(00-15) via dial keypad.
OR
Press Volume button to make select ion and press Right Soft button to move cursor.
4. Enter IP address via dial keypad.
Cursor will be return step 3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC entry.

DISPLAY

```
TB(00)  ENTRY (00)
  0.  0.  0.  0
```

```
TB(00)  ENTRY (00)
  0.  0.  0.  0
```

```
TB(00)  ENTRY (00)
  0.  0.  0.  0
```

```
TB(00)  ENTRY (00)
165.213. 87.110
```

DEFAULT DATA

TB(00) ENTRY(00) : MMC830 SYSTEM IP ADDR
ALL OTHERS : EMPTY

RELATED ITEMS

MMC 830 ETHERNET PARAMETER
MMC 832 VOIP OUTBOUND DIGITS
MMC 834 H.323 OPTIONS
MMC 837 SIP OPTIONS
MMC 838 PRIVATE IP ADDRESSES

834 H.323 OPTIONS

This MMC provides various VoIP support options. The options set in this MMC are set system-wide.

00	GATEWAY CALL ID	This a up to 12 digits numeric entry that identifies this system. Default is '1234 .
01	H.323 FAST SETUP	Enables or disables the H.323 Fast Start call setup method. Default is ENABLE.
02	CALLER ID TYPE	This option controls the calling party identification type. There are 3 possible selections : 0 GWID : Which shows the gateway call ID. 1 ANI : Which shows the calling station number(Default) 2 IP : Which shows the calling H.323 gateway IP address.
06	TUNNELING	Enables or disables the need for additional channels using H.245 signalling. Tunnelling allows use of the H.245 signal channel with the Q.931 channel. Default is ENABLE.
07	DEFAULT DIL NO	This allows programming of the default direct in line number when digits are missing, or incorrect on an inbound call. Default is 500.
11	CODEC AUTO NEGO	Enables or disables Auto CODEC Negotiation when the MGI is used as a H.323 gateway. Default is ON.
14	SIGNAL PORT	Indicate the port number for H.323 signalling and sets a range of numbers allowed by firewall equipment. The common and default IP path or port used is 10000.
17	SEND CLIP TABLE	Refers to SEND CLI NUMBER(MMC323), which provides calling party identification when using the MGI as a H.323 gateway. This provides station ID of the calling station. A single digit value corresponding with the desired table in MMC323 should be entered here. This is only used when MMC405 value is null. Default is 1.
18	INCOMING MODE	This option selects how incoming calls are routed when the MGI is used as a H.323 gateway. 0 FOLLOW TRUNK RING : Follows MMC406 1 FOLLOW DID TRANS : Follows MMC714(default) 2 FOLLOW INCOM DGT : Follows MMC724
19	ALLOW GW CHECK	When using a gatekeeper, this permits the H.323 gateway to check for gatekeeper presence. Default is DISABLE.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 834
Display shows the first option.
2. Enter H.323 option number(00-19) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter H.323 option data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC.

DISPLAY

```
GATEWAY CALL ID
1234
```

```
H.323 FAST SETUP
DISABLE
```

```
H.323 FAST SETUP
ENABLE
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 323 CALLING PARTY NUMBER
 MMC 405 CO LINE TEL NUMBER
 MMC 306 TRUNK RING ASSIGNMENT
 MMC 714 DID NUMBER AND NAME TRANSLATION
 MMC 724 DIAL NUMBERING PLAN
 MMC 832 VOIP OUTBOUND DIGITS
 MMC 837 SIP OPTIONS

835 MGI DSP OPTIONS

This MMC provides various MGI DSP options. The options set in this MMC are MGI-type specific.

MGI card types are followed :

0	MGI3	Supports maximum 16 channels G.711, G.723.1, G.729, G.729A or T.38. Default 8 channels and 8 channels on option board.
1	MGI2	Supports 16 channels G.711 or G.729.A
2	MGI1	Supports 16 channels G.711 only

MGI3 parameters are followed :

00	AUDIO CODEC	Selects which audio CODEC compression will be used. G.729A(8K), G.729(8K), G.711(64K), G.723.1(5.3K~6.4K). Default is G.729A
01	ECHO CANCEL	Enables or disables echo cancellation. This function removes echo that is generated by voice reflection and packet delay. Default is ENABLE.
02	SILENCE SUP	This parameter determines whether silence suppression is used This prevents transmission during the silence period of a call, and conserves bandwidth when enabled. Default is ENABLE.
03	IN FILTER	This option select input filtering of the DSP. This should always be set as ENABLE.
04	OUT FILTER	This option select output filtering of the DSP. This should always be set as ENABLE.
05	INPUT GAIN	PCM input gain value of DSP. The range is -31dB~32dB(0~63). This set the quality of PCM voice from the VoIP DSP to the site. Default is 32(0 dB).
06	VOICE VOL	This value selects the voice volume. The range is -31dB~31dB(0~63). Default is 32(0 dB).
07	FRAME COUNT	This value determines the transmission interval time of VoIP packets generated by the MGI card. The range is 020~240ms Default is 40ms.
08	JITTER OPT	This is a scale value that introduces a intentional buffer(delay) of the transmission of VoIP packets generated by the MGI card. This value determines whether the focus is on packet loss or packet delay. The range is 00~12. Default is 4.
09	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 010~300ms Default is 30ms.
10	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 010-300ms. Default is 150ms.
11	FAX ECM	This option selects retry of Fax-over-IP, in the case that errors are detected. Default is ENABLE.

12	MAX FAX CNT	This is maximum number of channels that can be simultaneously utilized for Fax-over-IP. The range is 00~16. Default is 2.
13	DTMF TYPE	There are two types of DTMF transmission : INBAND, which is industry standard(H.245) type DTMF transport, and OUTBAND which is a Samsung proprietary method.
14	TOS FIELD	An eight-bit binary value that will be utilized by external routers, switches, etc(that optionally support TOS-bit prioritization)-to identify the transport-priority value of data packets generated by the MGI card. This value can be left at default value(00000) if your network infrastructure does not support this method of bandwidth management. Default is all bits 0.
15	FAX RETRY	This option selects retry count of Fax-over-IP, in the case that errors are detected. The range is 0~4 and 0 means no retry. Default is 3.

MGI2 and MGI1 parameters are followed :

0	AUDIO CODEC	Selects which audio CODEC compression will be used. MGI2 supports G.729A(8K) and G.711(64K). MGI1 supports G.711 only. Default is G.729A(MGI2).
1	ECHO CANCEL	This function removes echo that is generated by voice reflection and packet delay. This sets ENABLE only, cannot be changed.
2	SILENCE SUP	This parameter determines whether silence suppression is used. This prevents transmission during the silence period of a call, and conserves bandwidth when enabled. Default is DISABLE.
3	FRAME COUNT	This value determines the transmission interval time of VoIP packets generated by the MGI card. The range is 20~80ms for MGI2 and 20~50ms for MGI1. Default is 20ms.
4	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 020~300ms. Default is 30ms.
5	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 020-300ms. Default is 100ms.
6	DTMF TYPE	There are two types of DTMF transmission : INBAND, which is industry standard(H.245) type DTMF transport. This sets INBAND only, cannot be changed.
7	TOS FIELD	An eight-bit binary value that will be utilized by external routers, switches, etc(that optionally support TOS-bit prioritization)-to identify the transport-priority value of data packets generated by the MGI card. This value can be left at default value(00000) if your network infrastructure does not support this method of bandwidth management. Default is all bits 0.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 835
Display shows the first option
2. Enter MGI type(0-2) via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter MGI DSP parameter via dial keypad
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Enter MGI DSP parameter
OR
Press Volume button to make selection and press Right Soft button to save and return step 3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```

MGI3:AUDIO CODEC
G.729A

```

```

MGI3:AUDIO CODEC
G.729A

```

```

MGI3:AUDIO CODEC
G.729A

```

```

MGI3:AUDIO CODEC
G.729

```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 831 MGI PARAMETERS

836 H.323 GK OPTIONS

Provides a means to set the H.323 gatekeeper parameters for an optional external industry-standard H.323 network gatekeeper, using Registration, Admissions, and Status signalling(RAS). The settings are system wide.



When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example) 192.168.1.10 input must be : 192 168 001 010

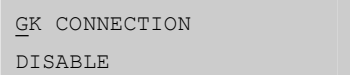
00	GK CONNECTION	This enables or disables the H.323 call to connect to a gatekeeper. Default is DISABLE.
01	GK ROUTING	This enables or disables routing of calls through a gatekeeper. Default is DISABLE.
02	GK IP ADDRESS	This is gatekeeper's IP address. Default is 0.0.0.0
03	GK NAME	This is alphanumeric name identifier of the gatekeeper. An entry of 16 characters. Default is 'Gatekeeper'.
04	ALTER GK IP ADDR	This provide for an alternate gatekeeper address. Default is 0.0.0.0
05	H.323 GATEWAY ID	This is the H.323 identifier used by the MGI when registering with the gatekeeper. This can be up to 32 characters. Default is 'OfficeServ500'.
06	E.164 GATEWAY NO	This is the E.164 identifier used by the H.323 trunk when registering with the gatekeeper. This can be up to 16 digits in length.
07	GK KEEP ALIVE	This is the timer that the MGI uses to acknowledge the presence of the gatekeeper. The range is 000~999 seconds. Default is 0 SEC.
08	GK DOWN ROUTE	This provides an alternate route in case the primary gatekeeper is down. Selections are PSTN or ALTER GK. Default is PSTN.
09	GK RAS TYPE	Select if AUTO or MANUAL, depending on your gatekeeper's capabilities. Default is AUTO.
11	URQ REASON MODE	Select ON or OFF for usage of Un-register Request RAS(URQ) messages. Default is ON.
12	RRQ FAIL TIME	Programs the time frame to re-send Registration Request RAS (RRQ) messages to a gatekeeper. Default is 30 seconds. The range is 1~99.
13	GRQ SEND	Select ON or OFF for usage of Gatekeeper RAS Request(GRQ) messages. Default is OFF.

PROGRAM BUTTONS


VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

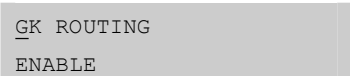
1. Press Transfer button and enter 836
Display shows the first available option
2. Enter H.323 GK option via dial keypad
OR
Press Volume button to make selection and
press Right Soft button to move cursor
3. Enter H.323 GK option data
OR
Press Volume button to make selection and
press Right Soft button to save and return step 3.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

GK CONNECTION
DISABLE



GK ROUTING
DISABLE



GK ROUTING
ENABLE

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 834 H.323 OPTIONS

837 SIP OPTIONS

This MMC permits the adjustments of optional Session Initiation Protocol(SIP) trunking parameters. The MCP2 supports SIP and H.323 on a per call-per-port basis. The settings are system-wide.



When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example) 192.168.1.10 input must be : 192 168 001 010

00	GATEWAY CALL ID	This a up to 12 digits numeric entry that identifies this system. Default is '1234 .
01	CALLER ID TYPE	This option controls the calling party identification type. There are 3 possible selections: 0 GWID : Which shows the gateway call ID. 1 ANI : Which shows the calling station number(Default) 2 IP : Which shows the calling H.323 gateway IP address.
02	DEFAULT DIL NO	This allows programming of the default direct in line number when digits are missing, or incorrect on an inbound call. Default is 500.
03	UDP PORT: TRUNK	Sets the UDP port used on a SIP trunk call. Default is 5060.
04	UDP PORT: PHONE	Sets the UDP port used on a SIP phone call. Default is 5070.
05	RE-TRANS. T1 TIME	The initial re-transmission time if no answer based on the RFC2543 specification. The range is 0~9900ms. Default is 500ms.
06	RE-TRANS. T2 TIME	The maximum re-transmission time if no answer based on the RFC2543 specification. The range is 0~9900ms. Default is 4000ms.
07	RE-TRANS. T4 TIME	The time the User Agent Server waits after receiving the ACK message. Based on the RFC2543 specification. The range is 0~9900ms. Default is 5000ms.
08	GENERAL RING TM	The server shall retransmit the response during this amount of time until the requested retransmission is received. For example, the wait time after sending 200 OK for INFO. The range is 0~99900ms. Default is 5000ms.
09	INVITE LING TM	After the client sends ACK for the INVITE Final Response, the client cannot confirm if the server received the ACK message. The client waits for this amount of time after sending ACK for the Final Response. The range is 0~99900ms. Default is 5000ms.
10	PROVISIONAL TIME	After receiving the Provision Response, the User Agent shall wait for this amount of time until Timeout ends. The range is 0~999900ms. Default is 180000ms.
11	INV.NO RESP TIME	Before sending Cancel for the Invite Request, the User Agent shall wait for this amount of time. The range is 0~99900ms. Default is 5000ms.

12	GEN.NO RESP TIME	Before sending Cancel for General Request, the User Agent shall wait for this amount of time. The range is 0~99900ms. Default is 5000ms.
13	REQ.RETRY TIME	After sending General Request, the User Agent shall wait for the Final Response for this amount of time. The range is 0~99900ms. Default is 5000ms.
14	SIP SERVER ENBLE	Sets ENABLE or DISABLE to use an optional external industry-standard SIP Server. Default is DISABLE.
15	SIP SERVER IP	Sets SIP server IP address. Default is 0.0.0.0.
16	SIP SERVER PORT	Sets the port to use on the SIP Server. Default is 5060.
14	SIGNAL PORT	Indicate the port number for SIP signalling and sets a range of numbers allowed by firewall equipment. The common and default IP path or port used is 10000.
18	SEND CLIP TABLE	Refers to SEND CLI NUMBER(MMC323), which provides calling party identification when using the MGI as a SIP gateway. This provides station ID of the calling station. A single digit value corresponding with the desired table in MMC323 should be entered here. This is only used when MMC405 value is null. Default is 1.
19	INCOMING MODE	This option selects how incoming calls are routed when the MGI is used as a SIP gateway. 0 FOLLOW TRUNK RING : Follows MMC406 1 FOLLOW DID TRANS : Follows MMC714(default) 2 FOLLOW INCOM DGT : Follows MMC724
20	ALLOW GW CHECK	When using a gatekeeper, this permits the SIP gateway to check for gatekeeper presence. Default is DISABLE.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 834
Display shows the first option.
2. Enter SIP option number(00-20) via dial keypad.
OR
Press Volume button to make selection and press
Right Soft button to move cursor
3. Enter SIP option data via dial keypad.
OR
Press Volume button to make selection and press
Right Soft button to move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
GATEWAY CALL ID
1234
```

```
CALLER ID TYPE
ANI
```

```
CALLER ID TYPE
IP
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 323 CALLING PARTY NUMBER
 MMC 405 CO LINE TEL NUMBER
 MMC 306 TRUNK RING ASSIGNMENT
 MMC 714 DID NUMBER AND NAME TRANSLATION
 MMC 724 DIAL NUMBERING PLAN
 MMC 832 VOIP OUTBOUND DIGITS
 MMC 834 H.323 OPTIONS

840 IP PHONE INFOMATION

This MMC provides a means to register the IP phones with the OfficeServ 500 system. During registration, the IP and MAC addresses are also registered. The User ID and Password must match the table entry in this MMC for the IP phone to be registered. The system made default phone numbers are 3201~3299 and made default User ID's match the default station numbers(3201~3299). The system default password is 1234. IP phones must be individually programmed with User ID and Password to register with the system.

00	USER ID	This is the ID the IP phone must match to register with the OfficeServ 500 system. This entry can be alphanumeric.(Default: first 99 IP phones are '3201 ~'3299 , others are EMPTY)
01	USER PSWD	This is the Password the IP phone must also have to register with the OfficeServ 500 system. This entry can be alphanumeric. Default is '1234 .
02	IP ADDR	This is the IP address of the IP phone once registered with the system. This is read only data. Default is 0.0.0.0.
03	MAC ADDR	This is MAC address of the IP phone once registered with the system. This is read only data. Default is FFFFFFFF.
04	SIG PORT	This is the IP UDP port of the IP phone once registered with the system. This is read only data. This information will be needed when traversing NAT routers, firewalls, etc. Default is 6000.
05	VOICE PORT	This is the IP RTP port of the IP phone once registered with the system. This is read only data. This information will be needed when traversing NAT routers, firewalls, etc. Default is 9000.
06	IP TYPE	This is the type of IP network used: PRIVATE or PUBLIC. Default is PRIVATE.
07	DSP TYPE	This selects which CODEC this phone's DSP will use. G.729A(low bandwidth) or G.711(high bandwidth). This data uses IP phone to IP phone connection only, others case are follow MGI CODEC type. Default is G.729A.
08	PHONE TYPE	This the type of IP phone used. SAMSUNG or SIP(future). Please should be use SAMSUNG.
09	REGIST CLR	This is used to clear the registration of a particular IP phone. This is similar to phone plug out and plug in, and the useful for maintenance. Because technician will be re-registered IP phone without network cable find out first.
10	FRAME COUNT	This value determines the transmission interval time of VoIP packets generated by the IP phone. This data uses case of MMC 841 ITP DSP PARA DOWN=PHONE DATA only. The range is 10~40ms. Default is 10ms.
11	JITTER SIZE	Decides the minimum time to consider delay for jitter adjustment. This data uses case of MMC 841 ITP DSP PARA DOWN=PHONE DATA only. The range is 10~90ms. Default is 20ms.

12	TOS FIELD	An eight-bit binary value that will be utilized by external routers, switches, etc(that optionally support TOS-bit prioritization)-to identify the transport-priority value of data packets generated by the IP phone. This value can be left at default value(00000) if your network infrastructure does not support this method of bandwidth management. This data uses case of MMC 841 ITP DSP PARA DOWN=PHONE DATA only. Default is all bits 0.
13	S/W VERSION	Display IP phone software version. This read only data.
14	S/W UPGRADE	This is used IP phone software upgrade request command. When this selects YES and press Right Soft button, the system requests to IP phone software upgrade with TFTP IP address.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC

ACTION

1. Press TRSF 840
Display shows
2. Enter IP phone number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter IP phone option number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Enter option data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to save and return step 3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[3201]USER ID
3201
```

```
[3210]USER ID
3210
```

```
[3210]DSP TYPE
G.729A
```

```
[3210]DSP TYPE
G.711
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 615 MGI GROUP
MMC 616 FIXED MGI USER
MMC 830 ETHERNET PARAMETERS
MMC 831 MGI PARAMETERS
MMC 835 MGI DSP OPTIONS
MMC 841 SYSTEM IP OPTIONS

841 SYSTEM IP OPTIONS

This MMC provides various proprietary Samsung VoIP and IP integration options. The options set in this MMC are system-wide.

There 9 option categories are list :

0	PHONE VERSION	<p>Sets running IP-based phone and new phone software version with the system. Defaults are 0000.</p> <p>0 LARGE DGP : Large LCD phone 1 LARGE ITP : Large LCD IP-based phone 2 2LINE ITP2 : line LCD IP-based phone 3 WIPM APPL : Wireless IP-based mobile phone software. 4 WIPM BOOT : Wireless IP-based mobile phone boot program.</p>
1	PHONE TFTP IP	<p>Sets phone software upgrade TFTP server IP address. Default is 0.0.0.0.</p>
2	ITP REGISTRATION	<p>Defines the method that IP-based phones use to registration themselves with the system.</p> <p>0 TYPE : Defines the method that IP-based phones use to registration themselves with the system. Default is SYS PSWD. 0 SYS PSWD : System will authenticate the IP-based phones with the value contained within parameter ITP REGISTRATION : PSWD within this same MMC. 1 ITP PSWD : System will authenticate the IP-based phones according to entries made in MMC 840. 2 DISABLE : System will not authenticate IP-based phones at all.</p> <p>1 PSWD : This is a system-wide password value used for registration of IP phones. Default is '1234' .</p>
3	EASYSET OPTION	<p>Sets EasySet link via LAN option with the system.</p> <p>0 PSWD : This is a system-wide password value used for authentication of EasySet server. Default is '1234' . 1 ALIVE TIME : This is a EasySet link via LAN alive check timer. Default is 0 SEC.</p>
4	CTI LINK OPTION	<p>Sets CTI link via LAN option with the system.</p> <p>0 SMDR REPORT : Sets YES or NO for SMDR data to CTI link via LAN. Default is NO 1 UCD REPORT : Sets YES or NO for UCD data to CTI link via LAN. Default is NO 2 ALIVE TIME : This is a CTI link via LAN alive check timer. If this sets 0, the system will not check link alive. Default is 300 SEC.</p>

5	ITP DSP PARA	<p>Sets IP phone DSP parameter of system-wide.</p> <p>0 FRAME CNT : This value determines the transmission interval time of VoIP packets generated by the IP phone. This data uses DOWN=SYS DATA case only on this MMC. The range is 10~40ms. Default is 10ms.</p> <p>1 JITTER BUF : Decides the minimum time to consider delay for jitter adjustment. This data uses DOWN=SYS DATA case only on this MMC. The range is 10~90ms. Default is 20ms.</p> <p>2 TOS : An eight-bit binary value that will be utilized by external routers, switches, etc(that optionally support TOS-bit prioritization)-to identify the transport-priority value of data packets generated by the IP phone. This value can be left at default value(00000) if your network infrastructure does not support this method of bandwidth management. This data uses case only on this MMC. Default is all bits 0.</p> <p>3 DOWN : Determines data uses system-wide data or each phone data for IP-based phone DSP control. Default is SYS DATA.</p> <p>0 SYS DATA : System-wide data will be used.(MMC 841 data)</p> <p>1 PHONE DATA : Each phone data will be used. (MMC 840 data)</p>
6	ITP TX GAIN	Sets IP-based phone TX gain value. Defaults are followed but depend on Country
7	ITP RX GAIN	Sets IP-based phone RX gain value. Defaults are followed but depend on Country
8	ITP VERS UPGRADE	<p>Sets IP-based phone software upgrade option with the system.</p> <p>0 TYPE : Sets IP-based phone software upgrade type. Default is MMC COMMAND.</p> <p>0 MMC COMMAND : IP-based phone software upgrades manually in MMC 840.</p> <p>1 PHONE CON : IP-based phone software upgrades automatically at phone connection.</p> <p>2 AUTO TIME : IP-based phone software upgrades automatically at set time.</p> <p>1 START TIME : IP-based phone software automatically upgrade start time. Default is 0000.(Disable)</p> <p>2 INTERVAL : IP-based phone software automatically upgrade interval time. Default is 10 seconds.</p>

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 841
Display shows the first available option
2. Enter option category number(0-8) via dial keypad.
Or press Volume button to make select and press Right Soft button to move cursor
3. Enter option number via dial keypad.
OR
Press Volume button to make select and press Right Soft button to move cursor
4. Enter option data
OR
Press Right Soft button to save and return step 3.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
PHONE VERSION
LARGE DGP: 0000
```

```
ITP REGISTRATION
TYPE: SYS PSWD
```

```
ITP REGISTRATION
PSWD: 1234
```

```
ITP REGISTRATION
PSWD: 8228
```

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 840 IP PHONE INFORMATION

850 SYSTEM RESOURCE DISPLAY

This MMC is only used for system resource display. This is displayed the used resources and the free resources. This is a READ ONLY MMC.

0. DTMFR DSP'S
1. CID DSP'S
2. R2MFC DSP'S
3. CONF GROUP'S

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 850
Display shows
2. Enter the option number(0-3)
OR
Press Volume button to select
3. Press Transfer button and enter to exit
OR
Press Speaker button advance to next MMC

DISPLAY

```
DTMFR DSP'S
USE:000 FREE:012
```

```
CID DSP'S
USE:000 FREE:014
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

851 ALARM REPORTING

This MMC is used to view, store, print or clear system alarms. There are two levels of faults displayed via alarm code, major alarms and minor alarms. Major alarms codes are usually service affecting and require a certified technician to determine the fault. A minor alarm indicates a fault that may or may not be service affecting and usually does not seriously degrade the systems operating capabilities. The alarm buffer will hold up to 100 alarms on a first in-first out(FIFO) basis. Alarms will provide a date and time stamp based on the system time. If applicable the hardware cabinet, port, and/or slot will be displayed. If an ALARM SIO port is programmed (MMC 804) alarm information can be printed on demand and also prints as alarm information is provided.

ALARM REPORTING OPTIONS(Select one of the options)

0	VIEW ALARM	View alarm buffer
1	OVERFLOW CONTROL	Determines buffer control when buffer is full. Default is OVERWRITTEN. 0 OVERWRITTEN : When buffer is full, the oldest entry in buffer overwritten. 1 STOP RECORDING : When buffer is full, stop recording alarms.
3	CLEAR ALARM BUF	Clears alarm buffer.
4	PRINT ALARM BUF	Prints contents of alarm buffer to the assigned alarm IO port.

ALARM CODE DEFINITION : See Alarm Code Definition on MMC 852

PROGRAM BUTTONS

VOLUME	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT BUTTONS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION

1. Press Transfer button and enter 851
Display shows
2. Enter desired option
OR
Press Volume button to make selection and press
Right Soft button to move cursor.
3. System displays the alarm count number, date
and time stamp(uses station, configuration for
display format, date, time will
be 24 hour format). Alarm type and cause code
will display.
4. Press Volume button arrows to scroll through
other alarms
OR
Press Right Soft button to return step 2.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
SYS ALARM REPORT
VIEW ALARMS
```

```
SYS ALARM REPORT
VIEW ALARMS
```

```
[00] 02/18 14:30
MNF02 C1-S02
```

```
SYS ALARM REPORT
VIEW ALARMS
```

DEFAULT DATA

NONE

RELATED ITEMS

MMC 852 SYSTEM ALARM ASSIGNMENTS

852 SYSTEM ALARM ASSIGNMENTS

This MMC allows the assignment of system alarms to ring and display the alarms on stations that have the Alarm Key assigned. The System Alarm Key is programmed in Station Key Assignments(MMC 722). System Alarm key programming is tenant wide(tenant 1 and 2). Alarms not programmed to report to the System Alarm key will still be retained in the maintenance alarm buffer for Alarm Reporting(MMC 851). The alarm buffer will hold up to 100 alarms on a First In-First Out(FIFO) basis. Pressing the System Alarm key will silence the audible alarm until another alarm is generated by the system. Alarm conditions that have multiple causes e.g. PRI errors and synchronization loss will print all associated alarm information if an SIO port is programmed as an ALARM port. The specific fault alarm data can be displayed via MMC 851 System Alarm Reporting.



Alarm Notification Off/On(0/1) determines if the alarm provides a visual and audible notification to the System Alarm key station(s). Pressing the System Alarm key and the release key will silence the audible alarm only at the station that pressed the System Alarm key and the release key. See alarm displays table for assignments.

Alarm Code Definition :

#	CODE	ALARM NAME	DEFINITION
	MJA--	MCP2 Error	System Fault
01	MJA01	POR Restart	MCP2 restart process has been executed via power on restart (POR).
02	MJA02	Soft Restart	MCP2 restart process has been executed via button reset.
03	MJA03	Mem Reset	The system RAM has been cleared via manual programming (PCMMC or KMMC) resulting in a system reset.
04	MJA04	MCP Reset	The MCP2 has S/W exception error. Alarm data=Reason - BUS ERR : Restart Bus Error - ADDR.ERR : Restart Address Error - ILLEGAL : Restart Illegal opcode - ZERO DIVID : Restart Zero divide - PRIVILEGE : Restart Privilege Violation - ENDL LOOP : Restart Endless Loop
05	MJA05	LCP Reset	The SCP2 or LCP2 has reset Alarm data=Cabinet(1, 2 or 3)
06	MJA06	PCM Switching	A fault has occurred in the Switching Control Alarm data=MCP BASE, ESM : 1, ESM : 2 or ESM : 3

#	CODE	ALARM NAME	DEFINITION
	MJB--	LCP/TASK Error	LCP or TASK Fault
08	MJB01	HDLC Com Error	Communications to LCP lost or faulty.
09	MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MCP2.
10	MJB03	Memory Alarm 2	A RAM diagnostic check error has occurred in the cabinet 1 SCP2.
11	MJB04	Memory Alarm 3	A RAM diagnostic check error has occurred in the cabinet 2 LCP2.
12	MJB05	Memory Alarm 4	A RAM diagnostic check error has occurred in the cabinet 3 LCP2.
13	MJB06	IPC MSGQ Over	IPC TX queue full error has occurred in the MCP2. Alarm data=IPC Queue type (MCP-LAN, MCP-SCP, MCP-LCP1, MCP-LCP2)
14	MJB07	Task MSGQ Over	Task MSG queue full error has occurred in the MCP2. Alarm data=Error Task
	MJB--	DSP Error	System DSP Fault
15	MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data=DTMF Receiver DSP position
16	MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources. Alarm data=TONE Receiver DSP position.
24	MJC10	AA-DTMF Fault	An abnormal fault reported in one of the AA card DTMF resources. Alarm data=Cabinet, Slot, Port(Cx-Syy-Pzz)
25	MJC11	AA-MFR Rec	An abnormal fault reported in one of the AA card DTMF resources has recovered. Alarm data=Cabinet, Slot, Port(Cx-Syy-Pzz)
26	MJC12	E911 Restart	The E911 card has restarted. Alarm data=Cabinet, Slot(Cx-Syy)
27	MJC13	E911 Block	The E911 card has blocked because the system detects the card does not work correctly. Alarm data=Cabinet, Slot(Cx-Syy)
30	MJC16	WLI Restart	The WLI card has restarted. Alarm data=Cabinet, Slot(Cx-Syy)
31	MJC17	WLI Block	The WLI card has blocked because the system detects the card does not work correctly. Alarm data=Cabinet, Slot(Cx-Syy)

#	CODE	ALARM NAME	DEFINITION
	MJD--	DTRK Error	ISDN or E1 card Fault
32	MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
33	MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
34	MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm Data=Cabinet, Slot(Cx-Syy)
35	MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm Data=Cabinet, Slot(Cx-Syy)
36	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm Data=Cabinet, Slot(Cx-Syy)
37	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm Data=Cabinet, Slot(Cx-Syy)
38	MJD07	Blue Alarm	All one's being transmitted on facility on TEPRI card. Alarm Data=Cabinet, Slot(Cx-Syy)
39	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm Data=Cabinet, Slot(Cx-Syy)
40	MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds 1×10^{-6} errors. Note: 1×10^{-6} is threshold for minor alarm, 1×10^{-3} is threshold for major alarm errors on E1, PRI or BRI. Alarm Data=Cabinet, Slot(Cx-Syy)
41	MJD10	NTWRK Event	An Implausible event has occurred on the PRI or BRI Network digital line. Protocols do not match or subscriber ID mismatch. Alarm Data=Cabinet, Slot Cx-Syy)
42	MJD11	SPID Init Error	The BRI received an error from the network Alarm Data= Cabinet, Slot, Channel(Cx-Syy-czz)
43	MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm Data=Cabinet, Slot, Channel(Cx-Syy-czz)
44	MJD13	LPBK Error	Internal on demand loopback failed. Alarm Data=Cabinet, Slot, Channel(Cx-Syy-czz)
45	MJD14	LPBK Recovery	Internal on demand loopback test passed. Alarm Data=Cabinet, Slot, Channel(Cx-Syy-czz)
46	MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm Data=Cabinet, Slot, Channel(Cx-Syy-czz)
47	MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm Data=Cabinet, Slot, Channel(Cx-Syy-czz)
48	MJD17	RAM Error	An error has occurred in the TEPRI or BRI card RAM. Alarm Data=Cabinet, Slot(Cx-Syy)

#	CODE	ALARM NAME	DEFINITION
	MJD--	DTRK Error	ISDN or E1 card Fault
49	MJD18	E1 Restart	The E1 card has restarted Alarm Data=Cabinet, Slot(Cx-Syy)
50	MJD19	PRI Restart	The PRI card has restarted Alarm Data=Cabinet, Slot(Cx-Syy)
51	MJD20	BRI Restart	The BRI card has restarted Alarm Data=Cabinet, Slot(Cx-Syy)
52	MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm Data=Cabinet, Slot(Cx-Syy)
53	MJD22	PCM Recovery	Loss of PCM coding on a digital facility. Alarm Data=Cabinet, Slot(Cx-Syy)
	MJE--	MGI Error	MGI card Fault
54	MJE01	MGI Restart	The MGI card has restarted Alarm Data=Cabinet, Slot(Cx-Syy)
55	MJE02	MGI Stop	The MGI card has stoped Alarm Data=Cabinet, Slot(Cx-Syy)
56	MJE03	MGI IP Duplicate	The MGI card IP address is duplicated Alarm Data=Cabinet, Slot(Cx-Syy)
57	MJE04	MGI NTWK Error	The MGI card has blocked because the system detects the card doesn't response via network link. External ping test. Alarm Data=Cabinet, Slot(Cx-Syy)
58	MJE05	MGI NTWK Rec	The MGI card has restarted because the system detects the card does response via network link. External ping test. Alarm Data=Cabinet, Slot(Cx-Syy)
59	MJE06	MGI DSP Error	The MGI card DSP has blocked because the system detects the card DSP runs not correctly. Alarm Data=Cabinet, Slot(Cx-Syy-Pzz)
60	MJE07	MGI DSP Run	The MGI card DSP has restarted because the system detects the card DSP runs correctly. Alarm Data=Cabinet, Slot(Cx-Syy-Pzz)

#	CODE	ALARM NAME	DEFINITION
	MNF--	Minor Error	Minor Fault with Alarm Buffer saving
61	MNF01	Card Out	A circuit card mounted in a universal slot has been removed from service or is not recognized by the system Alarm Data=Cabinet, Slot(Cx-Syy)
62	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm Data=Cabinet, Slot(Cx-Syy)
63	MNF03	IPC Error	Inter processor communication error has occurred. Alarm Data=Cabinet-Slot(Cx-Syy)
64	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm Data=Cabinet, Slot, Port (Cx-Syy-Pzz)
65	MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. Alarm Data=Cabinet, Slot, Port(Cx-Syy-Pzz)
66	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm Data=Cabinet, Slot, Port(Cx-Syy-Pzz)
67	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. Alarm Data=Cabinet, Slot, Port(Cx-Syy-Pzz)
68	MNF08	SIO TxQ Over	SIO Tx Queue full error has occurred in the MCP2. Alarm Data=SIO number(SIO : x)
69	MNF09	SIO TxQ Under	SIO Tx Queue under error has occurred in the MCP2. Alarm Data=SIO number(SIO : x)
70	MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm Data=Cabinet, Slot(Cx-Syy)
71	MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm Data=Cabinet, Slot(Cx-Syy)
72	MNF12	SIO Out	IO port has lost DTR Alarm Data=SIO number(SIO : x)
73	MNF13	SIO In	IO port has regained DTR. Alarm Data=SIO 1 through 6
74	MNF14	TODC Error	Time of Day Clock in the MCP2 has erred.
75	MNF15	TSW Over Alarm	The TSW has been requested to exceed the capacity of available time slots. Maximum 192 per cabinet. Alarm Data=Cabinet, Slot(Cx-Syy)
76	MNF16	PSU Alarm	Indicates there are over 56 ports in a cabinet with a single PSU and more power is required. Alarm Data=Cabinet, Slot(Cx-Syy)

#	CODE	ALARM NAME	DEFINITION
77	MNF17	PSU Alarm Rec	A second PSU has been recognized when added after alarm condition of Alarm Data=Cabinet, Slot(Cx-Syy)
78	MNF18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. Alarm Data=Cabinet, Slot, Port(Cx-Syy-Pzz)
79	MNF19	SLI Recovery	An SLI card detected as out of service has been detected as recovered and is in service via internal CODEC test. Alarm Data=Cabinet, Slot, Port(Cx-Syy-Pzz)
80	MNF20	PSUB Alarm	Indicates there are over 120 ports in a cabinet with two PSU. Alarm Data=Cabinet, Slot(Cx-Syy)
81	MNF21	DSS Alarm	System capacity of 64 button DSS modules has been exceeded.
82	MNF26	SIO RxQ Over	SIO Tx Queue full error has occurred in the MCP2. Alarm Data=SIO number(SIO : x)
83	MNF27	SIO RxQ Under	SIO Tx Queue under error has occurred in the MCP2. Alarm Data=SIO number(SIO : x)
84	MNF28	LAN Printer Err	LAN printer error has occurred in the MCP2. Alarm Data=Data Type(SMDR)
85	MNF29	LAN Printer Rec	LAN printer error has recovered in the MCP2. Alarm Data=Data Type(SMDR)
	MNG--	Minor Error	Minor Fault without Alarm Buffer saving
86	MNG01	Phone Disconnect	Indicates the Phone is disconnected. Alarm Data=Tel number or Cx-Syy-Pzz
87	MNG02	Phone Connect	Indicates the Phone is connected. Alarm Data=Tel number or Cx-Syy-Pzz
88	MNG03	Off Hook Alarm	Indicates the Extension is Off Hook Alarm time over. Alarm Data=Tel number or Cx-Syy-Pzz
89	MNG04	On Hook	Indicates the Off Hook Alarm Extension is on hook. Alarm Data=Tel number or Cx-Syy-Pzz
90	MNG05	MGI Packet Loss	Indicates the MGI connection RTP packet loss is more than 10 %. Alarm Data=Tel number or Cx-Syy-Pzz
91	MNG06	MGI Packet Delay	Indicates the MGI connection RTP packet delay is more than 500 ms. Alarm Data=Tel number or Cx-Syy-Pzz

PROGRAM BUTTONS

VOLUME	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT BUTTONS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION

1. Press Transfer button and enter 852
Display shows
2. Enter desired Alarm Display number(e.g. 61)
OR
Press the Volume buttons to select desired option and press the Right Soft button and to advance the cursor.
3. To select if the alarm is active press 1 for YES and 0 for NO.
An entry will advance the cursor to return to Step 2.
OR
Press the Volume buttons to make selection and press the Right Soft button to save and return step 2.
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
01:MJA01 ACT:OFF
POR Restart
```

```
61:MNF01 ACT:OFF
Card Out
```

```
61:MNF01 ACT:ON
Card Out
```

DEFAULT DATA

ALL OFF

RELATED ITEMS

MMC 501 SYSTEM TIMERS
 MMC 722 STATION KEY ASSIGNMENT
 MMC 723 SYSTEM WIDE KEY ASSIGNMENTS
 MMC 851 SYSTEM ALARM REPORTING
 MMC 853 MAINTENANCE BUSY

853 MAINTENANCE BUSY

This MMC is used to place stations, trunks, and common resources equipment in a maintenance busy condition. This can be used to isolate suspected intermittent problem equipment. Stations placed in maintenance busy will behave like a station in DND when called. The calling stations display(if equipped) will show 'MADE BUSY' when called. Stations receiving DID or E&M type calls will receive a DND/ No more calls tone. The station display will still function with station and date. When the busy station is accessed, it will function like a locked all station. Trunks made busy can not originate calls. Ring down type trunks will still ring the programmed destination. Common resource equipment such as DSP's, CID DSP's and miscellaneous equipment such as page ports, AA ports or voice mail card ports can also be placed in a maintenance busy state.

MAINTENANCE BUSY OPTIONS

0	TRK	Trunks
1	STN	Stations
2	PAGE	Page Ports
3	AA	Auto Attendant card ports
4	DTMFR	DTMF Receiver(4/DSP)
5	CID	CID Receiver(14/DSP)
6	R2MFC	R2MFC Receiver(8/DSP)
7	CONF	GRP #01-24
8	MGI	MGI ports



cases of DTMFR, CID or R2MFC DSP selection when DSP is not mounted display will show NONE. If mounted display will show IDLE by default.

PROGRAM BUTTONS

VOLUME	Scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor or select option
SPEAKER	Used to advance next MMC
TRANSFER	Exit

ACTION

1. Press Transfer button and enter 853
Display shows busy functions
2. Enter busy function type(0-8) via dial keypad
OR
Press Volume button to make selection and press
Right Soft button to move cursor
3. Enter station number
OR
Press Volume button to make selection and press
Right Soft button to move cursor
4. Press 1 to make busy or 0 to make idle
OR
Press Volume button to make selection and press
Right Soft button to save and return step 3.
6. Press Transfer button and enter to exit Press
Speaker button to advance the next MMC

DISPLAY

```
MAINTENANCE BUSY
TRK  :NONE→
```

```
MAINTENANCE BUSY
STN  :NONE→
```

```
MAINTENANCE BUSY
STN  :201→IDLE
```

```
MAINTENANCE BUSY
STN  :201→BUSY
```

DEFAULT DATA

ALL IDLE

RELATED ITEMS

MMC 851 ALARM REPORTING
MMC 852 ALARM KEY ASSIGNMENTS

854 DIAGNOSTIC TIME

Provides a means to set the Diagnostic Time. The system diagnostics tests include memory audits, internal loopback tests on digital trunks, DSP, AA DSP tests. Additional tests include CODEC tests on analog trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the test and retry during the next programmed diagnostic time. It is recommended to assign the diagnostic time during non-peak traffic periods.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 854
Display shows
2. Enter weekday number
(0 : Sun, 1 : Mon, , 6 : Sat)
OR
Press Volume button to make selection and press
Right Soft button to move cursor
3. Enter military time hour via the dial pad.
Cursor will advance to next entry.
4. Enter military time minutes via the dial pad.
Data saved and cursor will advance to Step 2.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
DIAGNOSTIC TIME
SUN:  :
```

```
DIAGNOSTIC TIME
SUN:_ :
```

```
DIAGNOSTIC TIME
SUN:23:_
```

```
DIAGNOSTIC TIME
SUN:23:30
```

DEFAULT DATA

NO DIAGNOSTIC TIME SET

RELATED ITEMS

MMC 851 ALARM REPORTING
MMC 852 ALARM KEY ASSIGNMENTS
MMC 853 MAINTENANCE BUSY

855 SYSTEM OPTIONS

This MMC provides a means to review the common use hardware that is mounted in the system. System Options show miscellaneous hardware and daughter boards. This enables the technician to review the available hardware without having to dismantle or power down the system to confirm if the hardware is mounted. This is a READ ONLY MMC.

SYSTEM OPTIONS

[OfficeServ 500-L System]

MCP D-BD 1	Shows the Daughter Board #1 of MCP
MCP D-BD 2	Shows the Daughter Board #2 of MCP
MCP D-BD 3	Shows the Daughter Board #3 of MCP
MCP SW	Shows the DIP S/W status of MCP
C1 POWER-B	Shows the second power exist of Cabinet #1
SCP D-BD 1	Shows the Daughter Board #1 of SCP
SCP D-BD 2	Shows the Daughter Board #2 of SCP
SCP D-BD 3	Shows the Daughter Board #3 of SCP
LCP1 ONLINE	Shows the connection status of Cabinet #2 LCP
C2 POWER-B	Shows the second power exist of Cabinet #2
LCP1 D-BD 1	Shows the Daughter Board #1 of Cabinet #2 LCP
LCP1 D-BD 2	Shows the Daughter Board #2 of Cabinet #2 LCP
LCP1 D-BD 3	Shows the Daughter Board #3 of Cabinet #2 LCP
LCP2 ONLINE	Shows the connection status of Cabinet #3 LCP
C3 POWER-B	Shows the second power exist of Cabinet #3
LCP2 D-BD 1	Shows the Daughter Board #1 of Cabinet #3 LCP
LCP2 D-BD 2	Shows the Daughter Board #2 of Cabinet #3 LCP
LCP2 D-BD 3	Shows the Daughter Board #3 of Cabinet #3 LCP
CxSy VPM	Shows the VPM board status of Voice Mail Card.
CxSy SW	Shows the DIP S/W status of TEPRI card.

[OfficeServ-M System]

MCP D-BD 1	Shows the Daughter Board #1 of MCP
MCP D-BD 2	Shows the Daughter Board #2 of MCP
MCP D-BD 3	Shows the Daughter Board #3 of MCP
MCP SW	Shows the DIP S/W status of MCP
C1 POWER-B	Shows the second power exist of Cabinet #1
CxSy VPM	Shows the VPM board status of Voice Mail Card.
CxSy SW	Shows the DIP S/W status of TEPRI card.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 855
Display shows
2. Press Volume button to view options
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
SYSTEM OPTIONS  
MCP D-BD 1 :ESM
```

```
SYSTEM OPTIONS  
MCP D-BD 2 :IPM
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

856 TECH PROGRAMMING LOGS

This MMC lists the date, time and entry location of the last eight times that technician programming was accessed. This will allow a technician to determine if there was unauthorised access to system programming and where this access occurred. The information stored in this log will consist of 2 elements, the date and time it occurred at and the access location.

There are 4 types of access location information as described below :

NNNN	This would be the extension number of a phone that had accessed programming directly.
MODEM	This would indicate that programming was accessed by PCMMC via the integrated V90 modem attached to the IOM board of main cabinet.
LAN	This would indicate that programming was accessed by PCMMC via the LAN connection on the MCP2 card of main cabinet.
SIOx	This would indicate that programming was accessed by PCMMC via one of the SIO connections on the IOM board of the main cabinet where x is the number(2 or 3) of the SIO port that was used.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SOFT BUTTONS	Move cursor left and right
SPEAKER	Used to advance next MMC
HOLD	Used to clear previous entry

ACTION

1. Press Transfer button and enter 856
Display shows
2. Enter index number(e.g., 3)
OR
Press Volume button to scroll
3. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
(1) 11/22 11:03→
201 :11/22 11:27
```

```
(3) 11/22 12:30→
203 :11/22 13:30
```

DEFAULT DATA

NONE

RELATED ITEMS

PROGRAMMING

858 ASSIGN SYSTEM EMERGENCY ALARM

Assigns the alarm for alarm information to send Remote M&A PC via LAN.

ALARM CODE DEFINITION : See Alarm Code Definition on MMC 852

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

DISPLAY

1. Press Transfer button and enter 858
Display shows
2. Enter the alarm entry number
OR
Press Volume button to make selection and press
Right Soft button to move cursor
3. Enter YES or NO (1, 0) for alarming
OR
Press Volume button to make selection and press
Right Soft button to save and return step 2
4. Press Transfer button and enter to exit
OR
Press Speaker button advance to next MMC

```
01:MJA01 ACT:OFF
POR Restart
```

```
02:MJA02 ACT:OFF
Soft Restart
```

```
02:MJA02 ACT:ON
Soft Restart
```

DEFAULT DATA

All OFF

RELATED ITEMS

MMC 852 ALARM KEY ASSIGNMENTS

859 HARDWARE VERSION DISPLAY

This MMC is only used for system H/W EPLD version display. This is a READ ONLY MMC.

[OfficeServ 500-L System]

00	MCP2 CARD	Shows the EPLD version of MCP2
01	MCP2 B1	Shows the Daughter Board and EPLD version #1 of MCP2
02	MCP2 B2	Shows the Daughter Board and EPLD version #2 of MCP2
03	MCP2 B3	Shows the Daughter Board and EPLD version #3 of MCP2
04	C1 M-BOARD	Shows the Mother Board EPLD version of Cabinet #1
05	SCP CARD	Shows the EPLD version of SCP
06	SCP B1	Shows the Daughter Board and EPLD version #1 of SCP
07	SCP B2	Shows the Daughter Board and EPLD version #2 of SCP
08	SCP B3	Shows the Daughter Board and EPLD version #3 of SCP
09	C2 M-BOARD	Shows the Mother Board EPLD version of Cabinet #2
10	LCP1 CARD	Shows the EPLD version of Cabinet #2 LCP
11	LCP1 B1	Shows the Daughter Board and EPLD version #1 of Cabinet #2 LCP
12	LCP1 B2	Shows the Daughter Board and EPLD version #2 of Cabinet #2 LCP
13	LCP1 B3	Shows the Daughter Board and EPLD version #3 of Cabinet #2 LCP
14	C3 M-BOARD	Shows the Mother Board EPLD version of Cabinet #3
15	LCP2 CARD	Shows the EPLD version of Cabinet #3 LCP
16	LCP2 B1	Shows the Daughter Board and EPLD version #1 of Cabinet #3 LCP
17	LCP2 B2	Shows the Daughter Board and EPLD version #2 of Cabinet #3 LCP
18	LCP2 B3	Shows the Daughter Board and EPLD version #3 of Cabinet #3 LCP

[OfficeServ 500-M System]

0	C1 M-BOARD	Shows the Mother Board EPLD version of Cabinet #1
1	MCP2 CARD	Shows the EPLD version of MCP2
2	MCP2 B1	Shows the Daughter Board and EPLD version #1 of MCP2
3	MCP2 B2	Shows the Daughter Board and EPLD version #2 of MCP2
4	MCP2 B3	Shows the Daughter Board and EPLD version #3 of MCP2

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 859
Display shows
2. Enter the option number
OR
Press Volume button to scroll
3. Press Transfer button and enter to exit
OR
Press Speaker button advance to next MMC

DISPLAY

```
H/W EPLD VERSION
MCP CARD :V01
```

```
H/W EPLD VERSION
MCP B3 :LAN :V05
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

860 UCD STATUS SERVICE

This MMC is set to send the information of the UCD queue status or UCD Agent status to the SIO port real time. To use this information, a special PC application is needed.

PROGRAM BUTTONS

VOLUME	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to advance next MMC

ACTION

1. Press Transfer button and enter 860
Display shows
2. Enter the number
(0. UCD view service, 1. Send Agent state)
OR
Press Volume button to select and press
Right Soft button to move cursor
3. Enter YES or NO(1, 0)
OR
Press Volume button to select and press
Right Soft button to store
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
UCD VIEW SERVICE
DISABLE
```

```
SEND AGENT STATE
YES
```

```
SEND AGENT STATE
NO
```

DEFAULT DATA

UCD VIEW SERVICE	DISABLE
SENT AGENT STATE	NO

RELATED ITEMS

MMC 804 SYSTEM I/O PARAMETER

861 SYSTEM OPTIONS

This MMC is set to system miscellaneous options.

0	AUTO UPDATE TIME	Sets enable(1) or disable(0) the system automatically time and date update form ISDN call connection message. If sets enable, when system receives ISDN call connection message, system checks valid data of encapsulated time and date, and update system time and date device.
1	SYSTEM SPPED BIN	Sets max 500(0) or max 950(1) the maximum number of system speed dial bin. If sets 500 then same in previous system. If sets 950, can assign system speed dial block is up to 950 bins and speed dial bin numbers always 3 digits(000 to 999). Even if station speed dial bin numbers are 3 digits(000 to 049).

PROGRAM BUTTONS

VOLUME	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT BUTTONS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION

1. Press Transfer button and enter 861
Display shows
2. Enter the option number
OR
Press Volume button to make selection and press Right Soft button to move cursor
3. Enter 1 or 0 for option data select
OR
Press Volume button to make selection and press Right Soft button to move cursor
4. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
AUTO UPDATE TIME
DISABLE
```

```
AUTO UPDATE TIME
DISABLE
```

```
AUTO UPDATE TIME
ENABLE
```

DEFAULT DATA

AUTO UPDATE TIME	DISABLE
SYSTEM SPEED BIN	MAX 500

RELATED ITEMS

- MMC 505 ASSIGN TIME AND DATE
- MMC 606 ASSING SPEED DIAL BLOCK
- MMC 107 KEY EXTENDER
- MMC 705 SYSTEM SPEED DIAL
- MMC 706 SYSTEM SPEED DIAL BY NAME
- MMC 722 STATION KEY PROGRAMMING
- MMC 723 SYSTEM KEY PROGRAMMING

890 INITIALISE PORT

This program allows you to initialise items related to call process or DB for specific station or Trunk line. This will return the port to default condition.

PROGRAM BUTTONS

VOLUME	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT BUTTONS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION

1. Press Transfer button and enter 890
Display shows
2. Enter the station or Trunk line
OR
Press Volume button to make selection and press the Right Soft button to move cursor.
3. Enter 0 to call clear only or 1 to initialise port
OR
Press Volume button to make selection and press the Right Soft button to move cursor.
4. Enter 1 for YES or 0 for NO
OR
Press Volume button to make selection and press the Right Soft button to save and return step 2.
5. Press Transfer button and enter to exit
OR
Press Speaker button to advance next MMC

DISPLAY

```
[201] CALL CLEAR
ARE YOU SURE?NO
```

```
[202] CALL CLEAR
ARE YOU SURE?NO
```

```
[202] DB INITIAL
ARE YOU SURE?NO
```

```
[202] DB INITIAL
ARE YOU SURE?YES
```

DEFAULT DATA

NONE

RELATED ITEMS

NONE

OfficeServ 500 **Programming Guide**

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