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OfficeServ 500

Programming Guide

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SAMSUNG ELECTRONICS

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TRADEMARKS

Please read this guide before using the OfficeServ 500, and follow the instructions to use the OfficeServ 500 system safely and correctly.

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INTRODUCTION

Purpose

This guide describes a programming method for the 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 program a digital phone.

Document Content and Organization

This guide is composed of two Chapters and one Annex. Each chapter is introduced as follows:

CHAPTER 1. Overview of MMC 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.

ANNEX A. ABBREVIATION

Acronyms frequently used in this document are described.

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

Provides information or instructions that the reader should follow in order to avoid personal injury or fatality.

CAUTION

Provides information or instructions that the reader should follow in order to avoid a service failure or damage to the system.

CHECKPOINT

Provides the operator with checkpoints for stable system operation.

NOTE

Indicates additional information as a reference.

OPERATION PROCEDURES

Indicates the operational procedures that should be executed in sequence.

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.

Revision History

EDITION	DATE OF ISSUE	REMARKS
00	07. 2003.	First Edition
01	06. 2004.	- Addition of DS/ITP-5000D Series Phones - Addition and modification of WLAN related MMC

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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

WARNING

When using this feature

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.

CAUTION

CALL COST

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.

The DECT System Code/Register handsets Change

Only the system administrator and/or installer should be allowed access to change the DECT System Code and Register handsets.

When changing the MMC [805], [809], [812] and [816]

MMC [805], [809], [812] and [816] should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

Compliance with the National Version Standard

For the national version, OfficeServ 500 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. Overview of MMC Programming

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

1.1 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.

Program List by User's Level

For information about the programming level classified by user's level, refer to '1.4 Program List by User's Level' of this chapter.

1.2 Phone Buttons

There are several phones that are allowed for MMC programming; 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)

1.2.1 DS-4000 Series phones

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

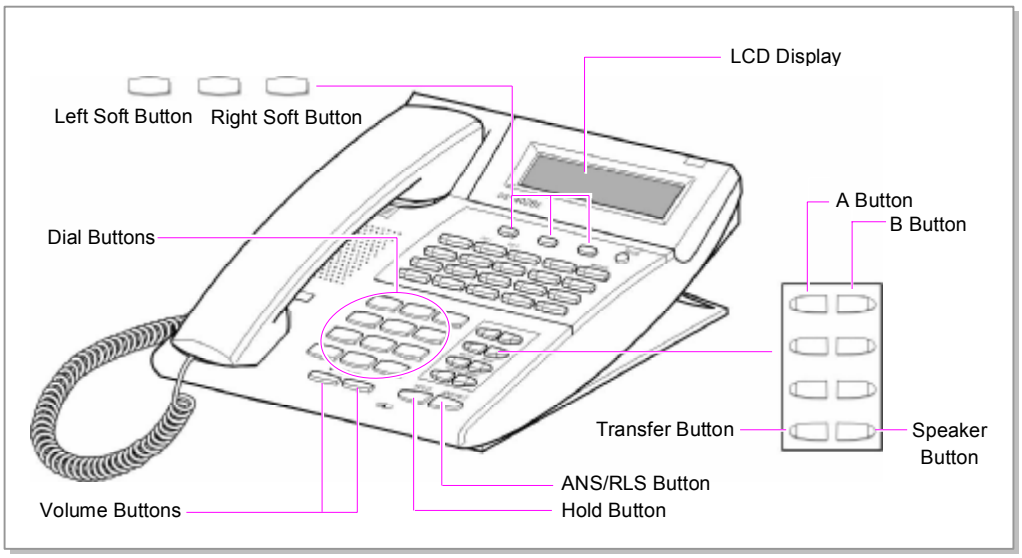

Figure 1.1 DS-4028E Phone

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 buttons: Search the selected items.
- Dial keypad: Confirm the status
- Soft buttons: Move the cursor
- Speaker Button: Save data and proceed to the next program

- Hold Button: Erase the previously entered item
- A button: Select either a capital letter or small letter
- B button: Select either a Korean character or English character
- Transfer Button: Enter the programming code

1.2.2 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:

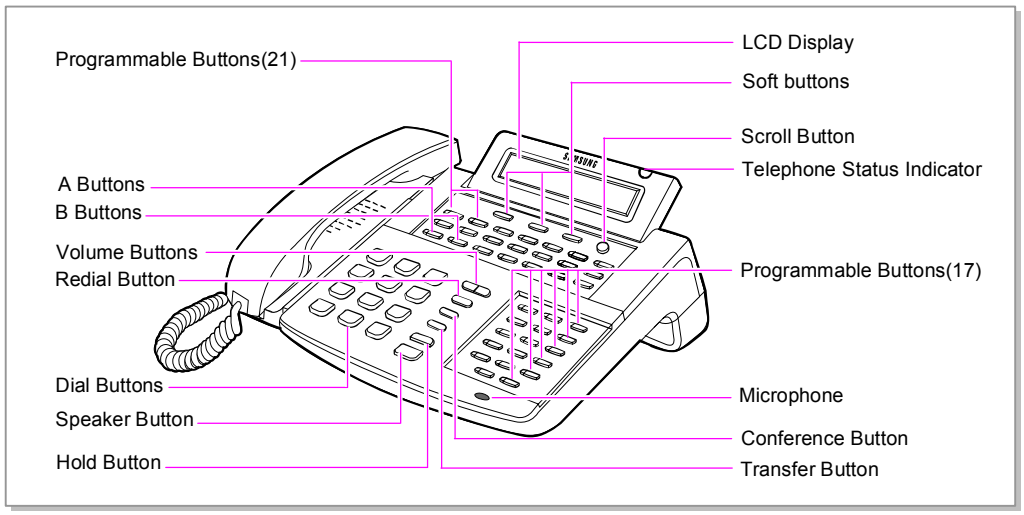

Figure 1.2 DS-5038D phone

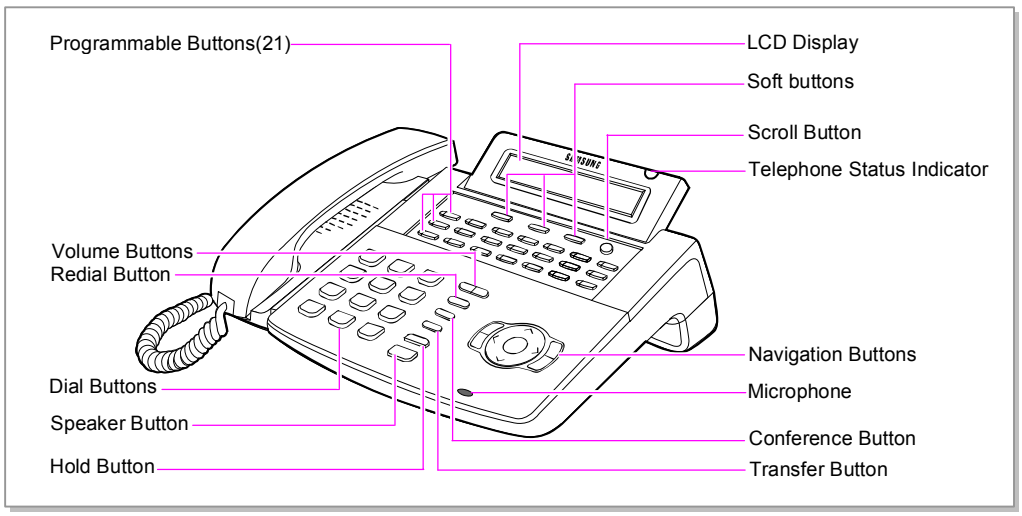

Figure 1.3 DS-5021D/ITP-5021D phone

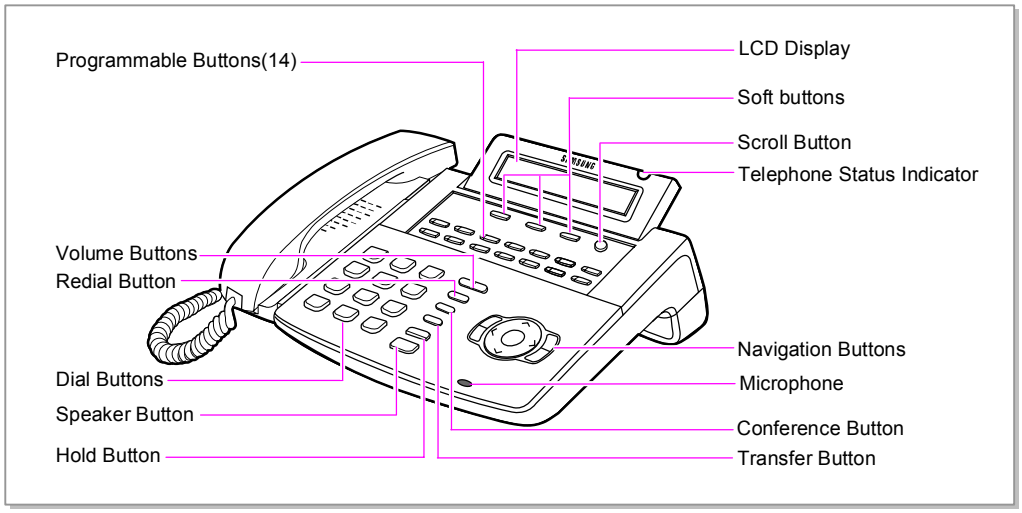

Figure 1.4 DS-5014D/ITP-5014D phone

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.

1.3 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.

1.4 Program List by User's Level

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.

1.4.1 Station Level Programming

Programming can be done for only station level programs.

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

1.4.2 Operator Level Programming

An technician can do programming within the range set by the MMC [802] CUSTOMER ACCESS MMC NUMBER
Programming is allowed for any phone within the tenant group, but it can be done for only one phone at a time.

1.4.2.1 System Related MMC

The MMC programs related to the function of the system are as follows:

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

1.4.2.2 Station Related MMC

The MMC programs related to the function of the station are as follows:

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: 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

1.4.2.3 Trunk Related MMC

The MMC programs related to the function of the trunk are as follows:

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: 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

1.4.2.4 Timer and Tone Related MMC

The MMC programs related to the function of the timer and tone are as follows:

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

1.4.2.5 Group Related MMC

The MMC programs related to the function of a group are as follows:

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

1.4.2.6 Tables, Codes, AA, DECT and VM MMC

The MMC programs related to the function of the tables, codes, AA, DECT and VM are as follows:

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: 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 Program No.	Program Description
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: 755	VM ALARM
MMC: 756	ASSIGN VM MOH
MMC: 757	VM IN/OUT
MMC: 758	VM DAY/NIGHT
MMC: 759	RING ASSIGNMENT BY CALLING PARTY NUMBER
MMC: 760	ITEM COST TABLE
MMC: 761	TAX RATE SETUP
MMC: 762	ROOM COST RATE

1.4.3 Technician Level Programming

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.

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 LANGUAGE
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: 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 Program No.	Program Description
MMC: 838	PRIVATE IP ADDRESSES
MMC: 840	IP PHONE INFORMATION
MMC: 841	SYSTEM IP OPTIONS
MMC: 844	IP STATION TYPE
MMC: 845	WLAN PARAMETER
MMC: 846	WIP INFORMATION
MMC: 847	WLAN RESET AND STATUS CHECK
MMC: 848	WLAN IP/MAC LIST
MMC: 849	WLAN CONFIGURATION
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

1.5 Program List by Name

This program list is arranged alphabetically.

Program Description	MMC Program No.
AA PLAN TABLE	MMC: 733
AA RAM CLEAR	MMC: 731
AA RECORD GAIN	MMC: 730
AA TRANSLATION TABLE	MMC: 732
AA USE TABLE	MMC: 735
ACCOUNT CODE	MMC: 708
ALARM AND MESSAGE	MMC: 116
ALARM REMINDER CLOCK	MMC: 112
ALARM REPORTING	MMC: 851
ALLOW CALLER ID	MMC: 312
ALLOW GROUP CONFERENCE	MMC: 612
ALLOW TEXT MESSAGING	MMC: 611
ASSIGN AA MOH	MMC: 736
ASSIGN ADD-ON MODULE	MMC: 209
ASSIGN BACKGROUND MUSIC SOURCE	MMC: 308
ASSIGN BOSS/SECRETARY	MMC: 303
ASSIGN CALLER ID TRUNKS	MMC: 425
ASSIGN COS CONTENTS	MMC: 701
ASSIGN DATE AND TIME	MMC: 505
ASSIGN DAYLIGHT SAVING DATE	MMC: 515
ASSIGN DISA TRUNK	MMC: 410
ASSIGN E & M/DID RINGDOWN	MMC: 416
ASSIGN E1 SIGNAL TYPE	MMC: 411
ASSIGN EXTENSION/TRUNK USE	MMC: 304
ASSIGN EXTERNAL PAGE ZONE	MMC: 605
ASSIGN FORCED CODE	MMC: 305
ASSIGN LOUD BELL	MMC: 205
ASSIGN MAILBOX	MMC: 751
ASSIGN NETWORK COS	MMC: 823
ASSIGN NETWORK TRUNK	MMC: 821
ASSIGN NETWORKING OPTION	MMC: 825
ASSIGN OPERATOR GROUP	MMC: 600
ASSIGN REVIEW BLOCK	MMC: 608

Program Description	MMC Program No.
ASSIGN RING PLAN TIME	MMC: 507
ASSIGN RING TYPE	MMC: 208
ASSIGN SPEED BLOCK	MMC: 606
ASSIGN STATION COS	MMC: 301
ASSIGN STATION GROUP	MMC: 601
ASSIGN STATION MOH SOURCE	MMC: 309
ASSIGN STATION TO PAGE ZONE	MMC: 604
ASSIGN STATION/STATION USE	MMC: 317
ASSIGN SYSTEM EMERGENCY ALARM	MMC: 858
ASSIGN SYSTEM LINK ID	MMC: 820
ASSIGN SYSTEM REFERENCE CLOCK	MMC: 826
ASSIGN SYSTEM SPEED DIAL	MMC: 705
ASSIGN TENANT GROUP	MMC: 803
ASSIGN TRUNK GROUP	MMC: 603
ASSIGN TRUNK MOH SOURCE	MMC: 408
ASSIGN TRUNK SIGNAL	MMC: 412
ASSIGN TRUNK/TRUNK USE	MMC: 428
ASSIGN UA DEVICE	MMC: 203
ASSIGN SYSTEM REFERENCE CLOCK	MMC: 826
ASSIGN SYSTEM REFERENCE CLOCK	MMC: 826
ASSIGN SYSTEM SPEED DIAL	MMC: 705
ASSIGN TENANT GROUP	MMC: 803
ASSIGN TRUNK GROUP	MMC: 603
ASSIGN TRUNK MOH SOURCE	MMC: 408
ASSIGN TRUNK SIGNAL	MMC: 412
ASSIGN TRUNK/TRUNK USE	MMC: 428
ASSIGN UA DEVICE	MMC: 203
ASSIGN VM MOH	MMC: 756
ASSIGN VM/AA PORT	MMC: 207
ASSIGN WILD CHARACTER	MMC: 704
AUTHORIZATION CODE	MMC: 707
AUTO ATTENDANT MESSAGE MATCH	MMC: 734
AUTO RECORD	MMC: 752
BARGE-IN TYPE	MMC: 206
BRANCH GROUP	MMC: 319
BRI AND PRI CARD RESTART	MMC: 418

Program Description	MMC Program No.
BRI OPTIONS	MMC: 419
BRI S0 MAPPING	MMC: 424
BSI RF CARRIER	MMC: 745
BSI STATUS	MMC: 742
CALL COST	MMC: 508
CALL FORWARD	MMC: 102
CALL LOG BLOCK	MMC: 609
CALLER ID DISPLAY	MMC: 119
CALLING PARTY NUMBER	MMC: 323
CARD PRE-INSTALL	MMC: 806
CHANGE CUSTOMER PASSCODE	MMC: 201
CHANGE FEATURE PASSCODE	MMC: 202
CHANGE TECHNICIAN PASSCODE	MMC: 801
CHANGE USER PASSCODE	MMC: 101
CID TRANSLATION TABLE	MMC: 728
COMMON BELL CONTROL	MMC: 204
CONFERENCE GAIN	MMC: 816
CONFERENCE GROUP	MMC: 118
CONFIRM OUTGOING CALL	MMC: 314
CONNECTION STATUS	MMC: 434
COPY COS CONTENTS	MMC: 700
COPY KEY PROGRAMMING	MMC: 720
COPY STN/TRK USE	MMC: 316
COST RATE	MMC: 433
COSTING DIAL PLAN	MMC: 746
CUSTOMER ACCESS MMC NUMBER	MMC: 802
CUSTOMER DATABASE COPY	MMC: 815
CUSTOMER ON/OFF PER STATION	MMC: 300
CUSTOMER ON/OFF PER TENANT	MMC: 210
CUSTOMER ON/OFF PER TRUNK	MMC: 400
CUSTOMER SET RELOCATION	MMC: 315
DATE DISPLAY	MMC: 109
DBS RESTART	MMC: 741
DBS STATUS	MMC: 743
DECT CLEAR REGISTRATION	MMC: 738
DECT REGISTRATION ON/OFF	MMC:744

Program Description	MMC Program No.
DECT SYSTEM CODE	MMC: 737
DIAGNOSTIC TIME	MMC: 854
DIAL NUMBERING PLAN	MMC: 724
DID NUMBER AND NAME TRANSLATION	MMC: 714
DISA ALARM RINGING STATION	MMC: 214
DISTINCTIVE RINGING	MMC: 318
DOOR RING ASSIGNMENT	MMC: 211
E1/PRI CRC4 OPTION	MMC: 417
EDIT TEXT MESSAGE	MMC: 117
ENABLE TECHNICIAN PROGRAM	MMC: 800
ETHERNET PARAMETERS	MMC: 830
EXECUTIVE STATE	MMC: 125
EXTENSION TYPE	MMC: 221
FAX PAIR	MMC: 222
FORCED TRUNK RELEASE	MMC: 407
H.323 GK OPTIONS	MMC: 836
H.323 OPTIONS	MMC: 834
HALT PROCESSING	MMC: 810
HARDWARE VERSION DISPLAY	MMC: 859
HOLIDAY ASSIGNMENT	MMC: 512
HOT LINE/OFF HOOK SELECTION	MMC: 306
HOTEL OPERATION	MMC: 813
HOTEL TIMER	MMC: 513
IDLE DISPLAY	MMC: 719
INITIALIZE PORT	MMC: 890
IP PHONE INFORMATION	MMC: 840
IP STATION TYPE	MMC: 844
ISDN SERVICE TYPE	MMC: 220
ITEM COST TABLE	MMC: 760
KEY EXTENDER	MMC: 107
LAN PRINTER PARAMETER	MMC: 829
LARGE LCD OPTION	MMC: 120
LCR CLASS OF SERVICE	MMC: 310
LCR DIGIT TABLE	MMC: 710
LCR MODIFY DIGIT TABLE	MMC: 713
LCR ROUTE TABLE	MMC: 712

Program Description	MMC Program No.
LCR TIME TABLE	MMC: 711
LEVEL AND GAIN	MMC: 805
MAINTENANCE BUSY	MMC: 853
MGI DSP OPTIONS	MMC: 835
MGI GROUP	MMC: 615
MGI PARAMETERS	MMC: 831
MGI USER	MMC: 616
MSG WAITING LAMP CADENCE	MMC: 511
MSN DIGIT	MMC: 421
MY AREA CODE	MMC: 718
NETWORK DIAL TRANSLATION	MMC: 824
NEWS DISPLAY SPEED	MMC: 122
OPEN CUSTOMER PROGRAMMING	MMC: 200
PHONE LANGUAGE	MMC: 121
PHONE RING TONE	MMC: 111
PHONE VOLUME	MMC: 114
PHONE VOLUME CONTROL	MMC: 807
PICKUP GROUPS	MMC: 302
PRESET FWD NO ANSWER	MMC: 320
PRI OPTIONS	MMC: 420
PRIVATE IP ADDRESSES	MMC: 838
PROGRAM DOWNLOAD	MMC: 818
PROGRAMMED STATION MESSAGE	MMC: 715
PRS SIGNAL	MMC: 414
PULSE MAKE/BREAK RATIO	MMC: 504
REPORT TRUNK ABANDON DATA	MMC: 415
RESET SYSTEM	MMC: 811
RING ASSIGNMENT BY CALLING PARTY NUMBER	MMC: 759
ROOM COST RATE	MMC: 762
S/T MODE	MMC: 423
SAVE STATION KEY PROGRAMMING	MMC: 721
SET ANSWER MODE	MMC: 103
SET COUNTRY CODE	MMC: 812
SET PROGRAMMED MESSAGE	MMC: 115
SET VIRTUAL EXTENSION TYPE	MMC: 822
SIP OPTIONS	MMC: 837

Program Description	MMC Program No.
SLI RING CADENCE	MMC: 510
SMART MEDIA FILE CONTROL	MMC: 819
SMDR OPTIONS	MMC: 725
STATION GROUP NAME	MMC: 602
STATION KEY PROGRAMMING	MMC: 722
STATION LOCK	MMC: 100
STATION NAME	MMC: 104
STATION ON/OFF	MMC: 110
STATION PAIR	MMC: 740
STATION SPEED DIAL	MMC: 105
STATION SPEED DIAL NAME	MMC: 106
STATION STATUS	MMC: 108
STATION/TRUNK USE GROUP	MMC: 614
STATION-WIDE TIMERS	MMC: 502
SYSTEM ALARM ASSIGNMENTS	MMC: 852
SYSTEM I/O PARAMETER	MMC: 804
SYSTEM IP OPTIONS	MMC: 841
SYSTEM KEY PROGRAMMING	MMC: 723
SYSTEM MMC LANGUAGE	MMC: 809
SYSTEM OPTIONS	MMC: 855
SYSTEM OPTIONS	MMC: 861
SYSTEM RESOURCE DISPLAY	MMC: 850
SYSTEM SPEED DIAL BY NAME	MMC: 706
SYSTEM TIMERS	MMC: 501
SYSTEM VERSION DISPLAY	MMC: 727
SYSTEM-WIDE COUNTERS	MMC: 500
TAX RATE SETUP	MMC: 761
TECH PROGRAMMING LOGS	MMC: 856
TOLL ALLOWANCE TABLE	MMC: 703
TOLL DENY TABLE	MMC: 702
TOLL PASS CODE/SPECIAL CODE TABLE	MMC: 709
TONE CADENCE	MMC: 506
TONE SOURCE	MMC: 514
TRAFFIC REPORT OPTION	MMC: 217
TRUNK CO TEL NUMBER	MMC: 405
TRUNK COS	MMC: 422

Program Description	MMC Program No.
TRUNK DIAL TYPE	MMC: 402
TRUNK GAIN CONTROL	MMC: 426
TRUNK LINE/PBX LINE	MMC: 401
TRUNK NAME	MMC: 404
TRUNK RING ASSIGNMENT	MMC: 406
TRUNK STATUS READ	MMC: 409
TRUNK TMC GAIN	MMC: 436
TRUNK TOLL CLASS	MMC: 403
TRUNK-WIDE TIMER	MMC: 503
UCD AGENT ID	MMC: 717
UCD OPTIONS	MMC: 607
UCD STATUS SERVICE	MMC: 860
UK LCR OPTIONS	MMC: 716
VIEW MEMO NUMBER	MMC: 113
VM ALARM	MMC: 755
VM CARD RESTART	MMC: 750
VM DAY/NIGHT	MMC: 758
VM HALT	MMC: 754
VM IN/OUT	MMC: 757
VM/AA OPTIONS	MMC: 726
VMS CALL TYPE	MMC: 413
VOICE DIALLER ASSIGNMENTS	MMC: 216
VOICE DIALLER OPTIONS	MMC: 215
VOIP ACCESS CODE	MMC: 832
VoIP IP TABLE	MMC: 833
WAKE-UP ANNOUNCEMENT	MMC: 224
WARNING DESTINATION	MMC: 753
WIP INFORMATION	MMC: 846
WLAN CONFIGURATION	MMC: 849
WLAN IP/MAC LIST	MMC: 848
WLAN PARAMETER	MMC: 845
WLAN RESET AND STATUS CHECK	MMC: 847

1.6 Program List by Function

This section describes MMC programs are classified by the function of the OfficeServ 500.

1.6.1 Phone Function

The MMC programs related to the function of a phone that is connected with the OfficeServ 500 are as follows:

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: 114	PHONE VOLUME
MMC: 115	SET PROGRAMMED MESSAGE
MMC: 116	ALARM AND MESSAGE
MMC: 119	CALLER ID DISPLAY

1.6.2 Networking Function

The MMC programs related to the function of networking are as follows:

MMC Program No.	Program Description
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: 829	LAN PRINTER PARAMETER
MMC: 830	ETHERNET PARAMETERS
MMC: 837	SIP OPTIONS
MMC: 840	IP PHONE INFORMATION
MMC: 841	SYSTEM IP OPTIONS
MMC: 844	IP STATION TYPE

1.6.3 VoIP Function

The MMC programs related to the function of VoIP(Voice over Internet Protocol) are as follows:

MMC Program No.	Program Description
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

1.6.4 WLAN Function

The MMC programs related to the function of WLAN(Wireless Local Area Network) are as follows:

MMC Program No.	Program Description
MMC: 845	WLAN PARAMETER
MMC: 846	WIP INFORMATION
MMC: 847	WLAN RESET AND STATUS CHECK
MMC: 848	WLAN IP/MAC LIST
MMC: 849	WLAN CONFIGURATION

1.6.5 LCR Function

The MMC programs related to the function of LCR(Least Cost Routing) are as follows:

MMC Program No.	Program Description
MMC: 710	LCR DIGIT TABLE
MMC: 711	LCR TIME TABLE
MMC: 712	LCR ROUTE TABLE
MMC: 713	LCR MODIFY DIGIT TABLE

1.6.6 Auto Attendant/Voice Mail Function

The MMC programs related to the function of AA(Auto Attendant) or VM(Voice Mail) are as follows:

MMC Program No.	Program Description
MMC: 207	ASSIGN VM/AA PORT
MMC: 215	VOICE DIALLER OPTIONS
MMC: 216	VOICE DIALLER ASSIGNMENTS
MMC: 413	VMS CALL TYPE
MMC: 726	VM/AA OPTIONS
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 Program No.	Program Description
MMC: 750	VM CARD RESTART
MMC: 751	ASSIGN MAILBOX
MMC: 752	AUTO RECORD
MMC: 753	WARNING DESTINATION
MMC: 754	VM HALT
MMC: 755	VM ALARM
MMC: 756	ASSIGN VM MOH
MMC: 757	VM IN/OUT
MMC: 758	VM DAY/NIGHT

1.6.7 Diagnosis Function

The MMC programs related to the function of diagnosing the system are as follows:

MMC Program No.	Program Description
MMC: 434	CONNECTION STATUS
MMC: 851	ALARM REPORTING
MMC: 852	SYSTEM ALARM ASSIGNMENTS
MMC: 853	MAINTENANCE BUSY
MMC: 854	DIAGNOSTIC TIME
MMC: 855	SYSTEM OPTIONS
MMC: 890	INITIALIZE PORT

1.6.8 Hotel Function

The MMC programs related to the function of a hotel are as follows:

MMC Program No.	Program Description
MMC: 217	TRAFFIC REPORT OPTION
MMC: 221	EXTENSION TYPE
MMC: 433	COST RATE
MMC: 513	HOTEL TIMER
MMC: 746	COSTING DIAL PLAN
MMC: 747	RATE CALCULATION TABLE
MMC: 760	ITEM COST TABLE
MMC: 761	TAX RATE SETUP
MMC: 762	ROOM COST RATE

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CHAPTER 2. MMC Programming

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

2.1 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.

2.2 Programming Procedure

This section describes a procedure of each program. Refer to the programming procedure corresponding to the MMC.

[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:

No	Type	Description
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.

CONDITIONS

- Check if the station lock function is disabled at 'MMC 301 ASSIGN STATION COS'. If so, the station cannot be locked, but a locked station can be unlocked.
- A station can be locked or unlocked under any condition when the station is in Operator Level Programming or Technician Level Programming.

DEFAULT DATA

ALL STATIONS UNLOCKED

ACTION

1. Press Transfer button and enter 100.
   Display shows:

   DISPLAY:
   ```
   [201] STN LOCK
   UNLOCKED
   ```

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.

   DISPLAY:
   ```
   [205] STN LOCK
   UNLOCKED
   ```
   ```
   [ALL] STN LOCK
   ?
   ```

3. 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.

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

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

RELATED ITEMS

MMC 101	CHANGE USER PASSCODE
MMC 301	ASSIGN STATION COS
MMC 701	ASSIGN COS CONTENTS

[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.

CONDITIONS

- The passcode of a station performing Operator Level Programming or Technician Level Programming cannot be changed while the program mode is 'ENABLE'.
- An Operator or Technician Level can only delete the passcode of a station and reset the passcode to the default value, '1234 , not permitting to know the passcode.


NOTE

Default passcodes

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

DEFAULT DATA

ALL STATION PASSCODES: 1234

ACTION	DISPLAY
1. Press Transfer button and enter 101. Display shows:	[201] PASSCODE PASSCODE:****
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.	[205] PASSCODE PASSCODE:****
3. Press Hold to reset passcode.	[205] PASSCODE PASSCODE:1234
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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 FOWRARD 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.
All types forwarding can be set external number.

No	Type
0	FORWARD CANCEL
1	FORWARD ALL CALL
2	FORWARD BUSY
3	FORWARD NO ANSWER
4	FORWARD BUSY/NO ANSWER
5	FORWARD DND

CONDITIONS

- When ‘FORWARD BUSY/NO ANSWER’ is selected, calls are forwarded to stations set at ‘FORWARD BUSY’ and ‘FORWARD NO ANSWER’. Thus, the destination number must be set for both ‘FORWARD BUSY’ and ‘FORWARD NO ANSWER’ to select ‘FORWARD BUSY/NO ANSWER’.
- If the ‘FORWARD’ is set to ‘OFF’ at ‘MMC 701 ASSIGN COS CONTENTS’, call forward cannot be set but can be canceled.(Default: ‘OFF’)
- The ‘FORWARD’ and ‘EXT FWD’ must both be set to ‘ON’ at ‘MMC 701 ASSIGN COS CONTENTS’ in order to forward a call to an external number. If only the ‘FORWARD’ is set to ‘ON’, calls can only be forwarded to internal numbers.(Default: ‘OFF’)

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 102. Display shows:	[201] FORWARD 0:FORWARD CANCEL
2. Dial station number.(e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] FORWARD 0:FORWARD CANCEL
3. Dial 0-5 to select forward type. OR Press Volume button to select forward type and press Right Soft button to move cursor.	[205] FORWARD 1:ALL CALL:NONE
4. Dial destination number.(e.g., 201) OR Press Volume button to select destination and press Right Soft button to move cursor.	[205] FORWARD 1:ALL CALL:201
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.	[205] FORWARD CURRENTLY SET :YES
6. Press Transfer button and enter to exit. OR Press Speaker button to advance to next MMC.	

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:

No	Type	Description
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.

CONDITIONS

Since the DS-12B digital phone is not equipped with a microphone, the phone operates in voice announcement mode when a call arrives while set to auto answer mode. Users must use the handset to reply to the caller.

DEFAULT DATA

ALL PHONES: RING

ACTION / DISPLAY

1. Press Transfer button and enter 103.
   Display shows:

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

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

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

   OR
   Press ANS/RLS button to select all.

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

3. 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.

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

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

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.

CONDITIONS

NONE

INPUT CHARACTERS

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.


NOTE

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, &, !, : , ?, ., ,, %, $, -, <, >, /, = , [,], @, ^, (,), _, +, {, }, |, ; , ", →, ', \.

DEFAULT DATA

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 104.
   Display shows:

```
[201] STN NAME
```

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

```
[205] STN NAME
_
```

3. Enter the station name using the procedure described above and press Right Soft button to return to step 2.

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

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

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.

CONDITIONS

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.

DEFAULT DATA

NONE

PROGRAM BUTTONS

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.	[205] SPEED DIAL 00:
If selected station has no speed dial bins, the display will be as shown and a new station may be selected.	[205] SPEED DIAL SPDBLK NOT EXIST
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 dialed.(e.g., 4264100)
   OR
   Press Right Soft button to return to step 2.
   OR
   Press 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.

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

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.

RELATED ITEMS

MMC106	STATION SPEED DIAL NAME
MMC606	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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

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

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)
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)


NOTE

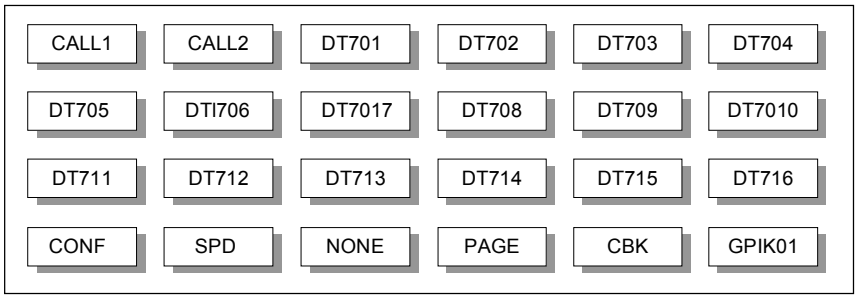
When the Right Soft button will not move the cursor to the right, you are attempting to add an extender to a key that cannot have one.

CONDITIONS

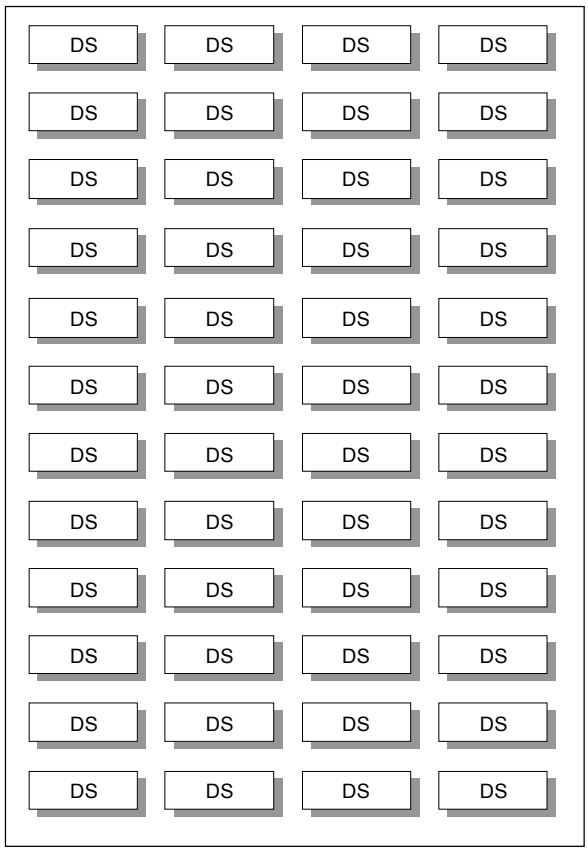
NONE

DEFAULT DATA

<24 Button Digital Phone>



< 48 Butoon AOM >



ACTION	DISPLAY
1. Press Transfer button and enter 107. Display shows first station:	[201] EXT (MAST) 01:CALL1→
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.	[205] EXT (MAST) 01:CALL1→
3. Press Right Soft button to program the phone. OR Use Volume button to scroll through the phone and AOM's and use Right Soft button to move the cursor.	[201] EXT (MAST) 01:CALL1→ [201] EXT (AOM1) 01:DS→
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.	[205] EXT (MAST) 18:DS→ [205] EXT (MAST) 18:DS207→
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

No	Status	Description
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)

CONDITIONS

NONE

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

ACTION

1. Press Transfer button and enter 108.
   Display shows first station:

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

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

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

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.

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

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

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.

No	Mode	Description
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

CONDITIONS

NONE

DEFAULT DATA

COUNTRY: WESTERN
CLOCK: 12 HOUR
DISPLAY: LOWER CASE

ACTION

1. Press Transfer button and enter 109.
   Display shows:

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

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 for all phones.

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

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

3. Dial 0~2 to select mode.
   OR
   Press Volume button to scroll through modes and press Right Soft button to move cursor.

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

4. Press Volume button to scroll through formats 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.

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.

No	Feature	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.

No	Feature	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.
16	ENBLOCK 2LCD	OFF	When ON, 2 LINE LCD Keyset with navigation buttons works as Enblock dialling mode. This option only works when 2 LINE ENBLOCK option is set to ENABLE in MMC 861.

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

ACTION

1. Press Transfer button and enter 110.
   Display shows:

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

2. Dial the option number from above list.(e.g., 4)
   OR
   Press Volume button to select the option and press Right Soft button to move the cursor.

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

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.

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

4. Press Transfer button and enter to exit.

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.

CONDITIONS

NONE

DEFAULT DATA

FREQUENCY: 5

ACTION

1. Press Transfer button and enter 111.
   Display shows:

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

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.

   DISPLAY:
   ```
   [205] RING TONE
   SELECTION  5
   ```
   OR
   ```
   [ALL] RING TONE
   SELECTION  ?
   ```

3. Dial 1~8 to select ring tone.
   OR
   Press Volume button to select ring tone and press Right Soft button to move cursor.

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

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

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 740) the alarm only rings the station that is programmed and does not ring the paired station.

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

CONDITIONS

NONE

DEFAULT DATA

ALARMS ARE NOTSET

ACTION

DISPLAY

1. Press Transfer button and enter 112.
   Display shows:

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

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

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

3. Dial 1~3 to select alarm.(e.g., 1)
   OR
   Press Volume button to select alarm and press Right Soft button.

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

4. Enter alarm time in 24-hour clock format.
   (e.g., 1300 for 1 pm)

   ```
   [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.

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

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

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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

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
```

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.

No	Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

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

ACTION	DISPLAY
1. Press Transfer button and enter 114. Display shows:	[201] STN VOLUME RING VOLUME :4
2. Dial phone number.(e.g., 205)	[205] STN VOLUME RING VOLUME :4
3. Press Volume button to select volume type.	[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.	

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.

CONDITIONS

The first ten are pre-programmed and the remaining entries can be customized in MMC 715, Programmed Station Message. The last five message are can be modified by each phone user.

DEFAULT DATA

NO MESSAGES SELECTED

ACTION	DISPLAY
1. Press Transfer button and enter 115. Display shows:	[201] PGMMSG(00) CANCEL PGM MSG
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.	[205] PGMMSG(00) CANCEL PGM MSG [ALL] PGMMSG(??)
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.	[205] PGMMSG(05) PAGE ME
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Type	Description
1	NOTSET	No alarm
2	TODAY	Alarm only once
3	DAILY	Alarm daily at set time

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

ALARMS ARE NOTSET

ACTION

1. Press Transfer button and enter 116.
   Display shows:

   DISPLAY:
   ```
   [201] 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.

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

   OR
   Press ANS/RLS button to select all stations.

   DISPLAY:
   ```
   [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.

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

4. Enter alarm time in 24-hour clock format.
   (e.g., 1300 for 1pm)
   Display will automatically advance to step 5.

```
[205] ALM REM(2)
HHMM:1300→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.

```
[205] ALM REM
HHMM:1300→DAILY
```

6. Enter messages using above table and press Right Soft button to return to step 2.

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

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

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.

CONDITIONS

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

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

BLANK MESSAGE

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.	

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 4 member except self station.
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.

CONDITIONS

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.

INPUT CONFERENCE GROUP NAME

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

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.

DEFAULT DATA

NONE

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.

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:

No	Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

NUMBER FIRST

ACTION

1. Press Transfer button and enter 119.
   Display shows first station:

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

2. Enter station number.(e.g., 205)
   OR
   Press Volume button to scroll through stations and press Right Soft button to select a station.
   OR
   Press ANS/RLS button to select all and press the Right Soft button.

   DISPLAY:
   ```
   [205] CID DISP
   NUMBER FIRST
   ```
   ```
   [ALL] CID DISP
   NUMBER FIRST
   ```

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.

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

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

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.

No	Option	Description
0	IDLE DISPLAY	Sets whether to display 'CALNENDER' 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
3	CONV DISP	Sets whether to display first SOFT menu screen or AOM menu screen on LCD at conversation state
4	CALENDAR	Sets whether to display PREVIOUS screen or CALENDAR screen on LCD at idle state
5	AOM CURSOR	Sets cursor position on AOM menu screen(01~99, PREV POSITION)

CONDITIONS

NONE

DEFAULT DATA

IDLE DISPLAY: CALENDER
DS KEY DISPLAY: TEL NUMBER
DIAL MODE: ENBLOCK

ACTION

1. Press Transfer button and enter 120.
   Display shows:

   DISPLAY: `[201] IDLE DISP CALENDER`

2. Enter station number.(e.g., 205)
   OR
   Press Volume button to scroll through stations and press Right Soft button to select a station.
   OR
   Press ANS/RLS button to select ALL and press the Right Soft button.

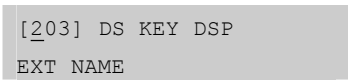
   DISPLAY: `[203] IDLE DISP CALENDER`

   DISPLAY: `[ALL] IDLE DISP CALENDER`

3. Dial the option number from above list.(e.g., 4)
   OR
   Press Volume button to select the option and press Right Soft button to move the cursor.

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

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.

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.

No	Language
00	ENGLISH
01	GERMAN
02	PORTUGAL
03	NORSK
04	DANISH
05	DUTCH
06	ITALY
07	SPANISH
08	SWEDISH
09	SPANISH/USA
10	FRENCH/CANADA

CONDITIONS

NONE

DEFAULT DATA

ENGLISH

ACTION

1. Press Transfer button and enter 121.
   Display shows:

   DISPLAY:
   ```
   [201] LANGUAGE
   ENGLISH
   ```

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.

   DISPLAY:
   ```
   [205] LANGUAGE
   ENGLISH
   ```

   DISPLAY:
   ```
   [ALL] LANGUAGE
   ?
   ```

3. Dial 00~10 for language required.
   OR
   Press Volume button to make selection and press Right Soft button.

   DISPLAY:
   ```
   [205] LANGUAGE
   GERMAN
   ```

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

RELATED ITEMS

NONE

[122] NEWS DISPLAY SPEED

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

CONDITIONS

NONE

DEFAULT DATA

03

ACTION

DISPLAY

1. Press Transfer button and enter 122.
   Display shows first station:

```
[201] CALL SPEED
03→
```

2. Enter station number.(e.g., 205)
   OR
   Press Volume button to scroll through stations and press Right Soft button to select a station.
   OR
   Press ANS/RLS button to select all.

```
[205] CALL SPEED
03→
```

3. Dial speed option.(03~10)

```
[205] CALL SPEED
03→04
```

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

RELATED ITEMS

NONE

[125] EXECUTIVE STATE

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

No	Option	Description
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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

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.

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 125.
   Display shows:

   DISPLAY

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

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

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

3. Dial 0~3 for selects option.
   OR
   Press Volume button to make selection and press Right Soft button.

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

4. Dial 0~9 for selects state.
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

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.

No	Mode	Description
0	DISABLE	Open(enable) customer-level programming
1	ENABLE	Close(disable) customer-level programming

CONDITIONS

NONE

DEFAULT DATA

DISABLE

ACTION	DISPLAY
1. Press Transfer button and enter 200. Display shows:	ENABLE CUS.PROG. PASSCODE:
2. Enter passcode.	ENABLE CUS.PROG. PASSCODE:
Correct code shows:	ENABLE CUS.PROG. DISABLE
Incorrect code shows:	ENABLE CUS.PROG. PASSCODE ERROR
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.	ENABLE CUS.PROG. ENABLE
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.	201:CUS.PASSCODE SELECT PROG. ID

5. Press Transfer button to exit.

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.

CONDITIONS

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

DEFAULT DATA

PASSCODE: 1234

ACTION	DISPLAY
1. Press Transfer button and enter 201.	CUST. PASSCODE NEW CODE:_
2. Enter new passcode via dial keypad. (maximum four digits)	CUST. PASSCODE NEW CODE:****
3. Verify new passcode via dial keypad.	CUST. PASSCODE VERIFY :****
Passcode verified.(go to step 4) OR Passcode failure. Return to step 2.	CUST. PASSCODE VERIFY :SUCCESS CUST. PASSCODE VERIFY :FAILURE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 200 OPEN CUSTOMER PROGRAMMING

[202] CHANGE FEATURE PASSCODE

Used to change the passcodes for the following features.

No	Feature	Description
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	WLAN REGST	This is the passcode required to enter MMC 849.

CONDITIONS

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

DEFAULT DATA

RING PLAN: 0000
DISA ALARM: 5678
ALARM CLR: 8765
AA RECORD: 4321
DECT REGST: 4321
DELETE: 9999
WLAN REGST: 0000

ACTION

DISPLAY

1. Press Transfer button and enter 202.
   Display shows:

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

2. Press Volume button to make selection Press Right Soft button to move cursor to passcode entry.

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

3. Enter new passcode via digits from dial keypad.

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

   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.

RELATED ITEMS

MMC 410	ASSIGN DISA TRUNK
MMC 507	ASSIGN RING PLAN TIME
MMC 722	STATION KEY ASSIGNMENTS
MMC 849	WLAN CONFIGURATION

[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.


NOTE

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

Recipient	Description
NONE-NO UA	When there is no phone number
STATION	Station number
STN GROUP	Station group number
RING PAGE	External speaker phone number
COMMON BELL	Common bell phone number

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 203.
   Display shows current assignment:

   DISPLAY:
   ```
   ASSIGN UA PORT
   NONE-NO UA
   ```

2. Dial DN of UA device.(e.g., 205)
   OR
   Use Volume buttons to scroll through available devices.

   DISPLAY:
   ```
   ASSIGN UA PORT
   205 -STATION
   ```

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

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.

CONDITIONS

- When the common bell is not used for night time ring, the common bell must be set to station group.
- Common bell not set to night time ring should be set to station group so that all stations of the group ring when one station rings.

DEFAULT DATA

CONTINUOUS

ACTION	DISPLAY
1. Press Transfer button and enter 204. Display shows current setting:	[3801]COM. BELL CONTINUOUS
2. Dial common bell number. OR Press Volume button to make selection of common bell numbers and press Right Soft button to advance cursor.	[3801]COM. BELL CONTINUOUS
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.	[3802]COM. BELL INTERRUPTED
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

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.

DEFAULT DATA

UNASSIGNED

ACTION

DISPLAY

1. Press Transfer button and enter 205.
   Display shows current setting:

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

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.

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

3. Enter station number.(e.g., 201)
   OR
   Press Volume button to make selection and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

NONE

[206] BARGE-IN TYPE

Sets the type of barge-in that is permitted.

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

CONDITIONS

NONE

DEFAULT DATA

NO BARGE-IN

ACTION

1. Press Transfer button and enter 206.
   Display shows:

   DISPLAY:
   ```
   BARGE IN TYPE
   NO BARGE IN
   ```

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.

   DISPLAY:
   ```
   BARGE IN TYPE
   WITHOUT TONE
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

NORMAL PORT

ACTION

1. Press Transfer button and enter 207.

   Display shows:

   DISPLAY:
   ```
   [209] VMAA PORT
   NORMAL PORT
   ```

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

   DISPLAY:
   ```
   [205] VMAA PORT
   NORMAL PORT
   ```

3. Dial 1 or 0 to select port type.
   (1: VMAA, 0: NORMAL)
   Press Volume button to select option and press Right Soft button.

   DISPLAY:
   ```
   [205] VMAA PORT
   VMAA PORT
   ```

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

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.

No	Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

ICM RING

ACTION

1. Press Transfer button and enter 208.
   Display shows:

   DISPLAY:
   ```
   [209] RING TYPE
   ICM RING
   ```

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

   DISPLAY:
   ```
   [205] RING TYPE
   ICM RING
   ```

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.

   DISPLAY:
   ```
   [205] RING TYPE
   DATA RING
   ```

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

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. The maximum number of AOMs that can be assigned to a keyset is 4.

No	OHVAED Status	Description
0	OHVAED OFF	Off-hook announcement is not played to the add-on-module
1	OHVAED ON	Off-hook announcement is played to the add-on-module

CONDITIONS

AOM cannot be designated as master. If no AOM exists in a tenant, the 'AOM NOT EXIST' message is displayed.

DEFAULT DATA

NONE FOR MASTER

ACTION

DISPLAY

1. Press Transfer button and enter 209.
   Display shows first AOM:

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

2. Dial AOM number.
   OR
   Use Volume button to scroll through AOM numbers and use Soft buttons to move cursor.

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

3. Enter station number.(e.g., 301)
   OR
   Use VOLUME for selection of stations and press Right Soft button to return to step 2.

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

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

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.

No	Option	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 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
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.

No	Option	Default	Description
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. This setting does not work for Station Groups which have Unconditional Ring Mode.
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.
37	BEGN DGT DSP	OFF	When ON, an outside call is made via speed dial or LNR where more than 11 digits are dialled then the first dialled 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.

No	Option	Default	Description
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 MONITOR	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.
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.
52	ORG DIAL LOG	OFF	When ON, originally dialled digit will be saved as outgoing call log in Large LCD Phone. When OFF, invalid dialling such as dialling of not exist station number will not be saved as outgoing call log in Large LCD Phone.
53	TIE TRSF RCL	ON	When ON, the trunk call is transferred to the TIE line and is not answered within transfer recall time, the call is recalled to the original transferring station.
54	VOIP REALRBT	OFF	When ON, the system will connect real path of outgoing trunk to the incoming VOIP Trunk user instead of providing the virtual ringback tone.
55	SMDR AUT2ACC	OFF	When ON, the AUTORIZATION CODE will be printed in ACCOUNT field of SMDR.

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

ACTION

1. Press Transfer button and enter 210.
   Display shows:

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

2. Dial option number.(e.g., 00)
   Press Right Soft button to move cursor.

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

3. Dial 1 for ON or 0 for OFF.
   OR
   Press Volume button to make selection and press Right Soft button.

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

4. Repeat steps 2-3 for other options.
   OR
   Press Transfer button and enter to exit.
   OR
   Press Speaker button to advance next MMC.

RELATED ITEMS

MMC 410	ASSIGN DISA TRUNK

LCR PROGRAMMING

MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT TABLE

MOH PROGRAMMING

MMC 308	ASSIGN BACKGROUND MUSIC SOURCE
MMC 309	ASSIGN STATION MOH SOURCE
MMC 736	ASSIGN AA MOH
MMC 756	ASSIGN VM MOH

CID PROGRAMMING

MMC 119	CALLER ID DISPLAY
MMC 312	ALLOW CALLER ID
MMC 425	ASSIGN CID TRUNKS
MMC 608	ASSIGN REVIEW BLOCKS
MMC 728	CALLER ID TRANSLATION TABLE

DID PROGRAMMING

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

VM/AA PROGRAMMING

MMC 207	ASSIGN VM/AA PORT
MMC 726	VM/AA OPTIONS
MMC 601	ASSIGN STATION GROUP

ALARM PROGRAMMING

MMC 112	ALARM REMINDER CLOCK
MMC 116	ALARM AND MESSAGE

[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.

CONDITIONS

NONE

DEFAULT DATA

STATION GROUP: 500

ACTION	DISPLAY
1. Press Transfer button and enter 211. Display shows first door phone:	[229] DOOR RING 1:500 2:500
2. Dial door phone number.(e.g., 230) OR Press Volume button to scroll through door phone numbers and use Right Soft button to move cursor.	[230] DOOR RING 1:500 2:500
OR Press ANS/RLS button to select All door ring.	ALL] DOOR RING 1:500 2:500
3. Enter new ring plan number selection via dial keypad. OR Press Volume button to make selection and press Right Soft button.	[250] DOOR RING 1:301 2:500
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.	

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.

CONDITIONS

- 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.

DEFAULT DATA

ALL RING PLAN: 500

ACTION	DISPLAY
1. Press Transfer button and enter 214. Display shows:	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.	

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.

No	Voice Dial Option	Description
0	2CH-7USER-20BIN	Two ports can be used for a voice dial device card. A port can accommodate up to 7 subscribers and up to 20 names per subscriber.
1	1CH-5USER-40BIN	One port can be used for a voice dial device card. A port can accommodate up to 5 subscribers and up to 40 names per subscriber.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 215.
   Display shows:

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

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.

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

3. Dial 0 or 1 for Voice Dialler channel select.
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION / DISPLAY

ACTION	DISPLAY
1. Press Transfer button and enter 216. Display shows:	[3551]VDIAL DIAL USER 1:NONE
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.	[3551]VDIAL DIAL USER 1:NONE
3. Dial 1-7 for user index number. OR Press Volume button to make selection and press Right Soft button.	[3551]VDIAL DIAL USER 1:NONE
4. Dial extension number. OR Press Volume button to make selection and press Right Soft button to return to step 3.	[3551]VDIAL DIAL USER 1:201
5. Press Transfer button and enter to save and exit. OR Press Speaker button to save and advance to next MMC.	

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:

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

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

No	Option	Description
0	AUTO PRINT OFF	Automatic print feature is disabled.
1	DAILY	A report is printed at a programmable time every day and all the totals are reset to ‘0 .
2	EVERY HOUR	A Traffic report will be printed every hour.
3	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.

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

CONDITIONS

NONE

DEFAULT DATA

NO REPORT

ACTION	DISPLAY
1. Press Transfer button and enter 217. Display shows:	TRAFFIC REPORT MANUAL PRINTOUT
2. Dial 0 for demand or 1 for automatic print. OR Press Volume button to select and press Right Soft button.	TRAFFIC REPORT AUTO PRINT OPTN
3. Dial 0, 1, 2 or 3 for automatic print option. OR Press Volume button to select option and press Right Soft button.	TRAFFIC REPORT DAILY HHMM:2359_
4. Enter daily report time.(HHMM)	TRAFFIC REPORT DAILY HHMM:2200
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 804 SYSTEM I/0

[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).

No	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

DEFAULT DATA

VOICE

ACTION

1. Press Transfer button and enter 220.
   Display shows:

   DISPLAY: `[209] ISDN SVC`
   `VOICE`

2. Enter the station number.(e.g., 210)
   OR
   Press Volume button to select station and press Right Soft button.

   DISPLAY: `[210] ISDN SVC`
   `VOICE`

3. Select service type.(0-3)
   OR
   Press Volume button to select option and press Right Soft button.

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

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

CONDITIONS

NONE

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 Right Soft button to select the type desired.

No	Type	Description
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.

CONDITIONS

This function can be used only when the hotel function is enabled at ‘MMC 813 HOTEL OPERATION’.

DEFAULT DATA

NORMAL STATION

ACTION

DISPLAY

1. Press Transfer button and enter 221.
   Display shows:

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

2. Dial station number.(e.g., 214)
   OR
   Press Volume button to select station and press Right Soft button to move cursor.

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

3. Dial 0 to 5 to select station type.
   OR
   Press Volume button to select option and press Right Soft button.

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

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

RELATED ITEMS

NONE

[222] FAX PAIR

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

CONDITIONS

This function can be used only when the hotel function is enabled at 'MMC 813 HOTEL OPERATION'.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 222. Display shows:	[201] FAX PAIR NONE
2. Enter the room station number via dial keypad. (e.g., 202) OR Press Volume button to select and press Right Soft button.	[202] FAX PAIR NONE
3. Enter the fax station number via dial keypad. (e.g., 2902) OR Press Volume button to select and press Right Soft button.	[202] FAX PAIR 290
4. Press Transfer button and enter button to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 222	EXTENSION TYPE
MMC 813	HOTEL OPERATION

[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.

No	Option	Description
0	AA GROUP	Determines which AA group will be connected when a Wake Up call is answered. This destination can be a any AA groups.
1	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).
2	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.

CONDITIONS

NONE

DEFAULT DATA

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

ACTION

1. Press Transfer button and enter 224.
   Display shows:

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

2. Dial 0, 1 or 2 for option select.
   OR
   Press Volume button to select option and press Right Soft button.

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

3. Enter the AA group number.
   OR
   Press Volume button to select and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

NONE

[300] CUSTOMER ON/OFF PER STATION

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

No	Option	Default	Description
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 LP OPEN	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.
13	CID PHONE	OFF	When RCM2 card is installed and this option is set to ON, the system will provide the CID signal to the SLT.

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

ACTION	DISPLAY
1. Press Transfer button and enter 300. Display shows:	[201] CUS.ON/OFF ACCESS DIAL :ON
2. Dial station number.(e.g., 205) OR Press Volume button to select station.	[205] CUS.ON/OFF ACCESS DIAL :ON
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.	

RELATED ITEMS

LCR PROGRAMMING

MMC 710 LCR DIGIT TABLE
MMC 711 LCR TIME TABLE
MMC 712 LCR ROUTE TABLE
MMC 713 LCR MODIFY DIGIT TABLE

[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.

CONDITIONS

NONE

DEFAULT DATA

RING PLANS 1-6: 01

ACTION	DISPLAY
1. Press Transfer button and enter 301. Display shows first station:	[201] STN COS 1:01 2:01 3:01
2. 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.	[205] STN COS 1:01 2:01 3:01 [ALL] STN COS 1:01 2:01 3:01
3. Enter new ring plan selection via dial keypad. OR Press Volume button to make selection OR press Right Soft button to move cursor.	[205] STN COS 1:01 2:01 3:01
4. 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.	[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.

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

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

RELATED ITEMS

MMC 701	ASSIGN COS CONTENTS
MMC 507	ASSIGN RING PLAN TIME
MMC 740	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.

CONDITIONS

NONE

DEFAULT DATA

NO PICKUP GROUPS ASSIGNED

ACTION

1. Press Transfer button and enter 302.
   Display shows:

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

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.

   DISPLAY:
   ```
   [205] PICKUP GRP
   PICKUP GRP:NONE
   ```
   ```
   [ALL] PICKUP GRP
   PICKUP GRP:??
   ```

3. Dial pickup group number.(e.g., 05)
   OR
   Press Volume button to select group number.

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

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.

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.

CONDITIONS

- A dedicated BOSS button must be programmed on the SECRETARY phone(s).
- A dedicated BOSS button must also be programmed on the BOSS phone.
- A station designated as BOSS may not be assigned as a secretary of another boss.

DEFAULT DATA

NONE

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.	

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.

CONDITIONS

- 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'.
- 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.

DEFAULT DATA

DIAL: YES
ANS: YES

ACTION	DISPLAY
1. Press Transfer button and enter 304. Display shows:	(001) USE (301) DIAL:YES ANS:YES
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.	(005) USE (301) DIAL:YES ANS:YES (ALL) USE (301) DIAL:YES ANS:YES
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.	(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.

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.

No	Type	Description
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 #).

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 305.
   Display shows:

   DISPLAY:
   ```
   [201] FORCD CODE
   NONE
   ```

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

   DISPLAY:
   ```
   [205] FORCD CODE
   NONE
   ```

3. 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:
   ```
   [205] FORCD CODE
   ACCT VERIFIED
   ```

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

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).

CONDITIONS

- 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.

DEFAULT DATA

NONE

PROGRAM BUTTONS

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:	[201] HOT LINE NONE
2. Dial station number. OR Use Volume button to scroll through stations Press Right Soft button to move the cursor.	[205] HOT LINE NONE
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)	[205] HOT LINE 9-1305P4264100_
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

- 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 MMC 739 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 739 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.
- To use an external sound source, connect the corresponding port of the terminal box to the external sound source of the MISC card. If 'NONE' is set for background music or if a sound source is not connected to the external sound source port designated as the background music source, music will not be played even if the background music function is enabled.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 308. Display shows current setting:	[201] BGM SOURCE BGM SOURCE:NONE
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.	[205] BGM SOURCE BGM SOURCE:NONE
OR Press ANS/RLS button to select all stations.	[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.	[205] BGM SOURCE BGM SOURCE:371

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

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.

CONDITIONS

- 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 739 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 MMC 739 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.
- To use an external sound source, connect the corresponding port of the terminal box to the external sound source of the MISC card.

DEFAULT DATA

TONE

ACTION	DISPLAY
1. Press Transfer button and enter 309. Display shows current setting:	[201] STN MOH MOH SOURCE:NONE
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.	[205] STN MOH MOH SOURCE:NONE
OR Press ANS/RLS button to select all stations.	[ALL] STN MOH MOH 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.	[205] STN MOH MOH SOURCE:371
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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/per-trunk 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.

CONDITIONS

NONE

DEFAULT DATA

LEAST COST ROUTING COS: 1

ACTION

1. Press Transfer button and enter 310.
   Display shows:

   DISPLAY:
   ```
   [201] LCR CLASS
   LCR CLASS 1
   ```

2. Dial station/trunk 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.

   DISPLAY:
   ```
   [205] LCR CLASS
   LCR CLASS 1
   ```
   ```
   [ALL] LCR CLASS
   LCR CLASS ?
   ```

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.

   DISPLAY:
   ```
   [205] LCR CLASS
   LCR CLASS 3
   ```

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

RELATED ITEMS

LCR PROGRAMMING

MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT TABLE

[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.

Option	Description
RCV	Set whether to display CID.
SEND	Set whether to send CID for ISDN calls.

CONDITIONS

NONE

DEFAULT DATA

RCV: YES
SND: YES

ACTION

1. Press Transfer button and enter 312.
   Display shows:

   DISPLAY:
   ```
   [201] ALLOW CLIP
   RCV:YES SND:YES
   ```

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.

   DISPLAY:
   ```
   [205] ALLOW CLIP
   RCV:YES SND:YES
   ```
   ```
   [ALL] ALLOW CLIP
   RCV:YES SND:YES
   ```

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.

   DISPLAY:
   ```
   [205] ALLOW CLIP
   RCV:YES SND:YES
   ```

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.

   DISPLAY:
   ```
   [205] ALLOW CLIP
   RCV:YES SND:YES
   ```

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

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.

No	Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 314.
   Display shows:

   DISPLAY: `[201] CO CONFIRM NONE`

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.

   DISPLAY: `[205] CO CONFIRM NONE`

   DISPLAY: `[ALL] CO CONFIRM NONE`

3. Dial a feature option 0-2.
   OR
   Press Volume button to make selection and press Right Soft button to return to step 2.

   DISPLAY: `[205] CO CONFIRM CONFIRM TONE`

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

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.

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

CONDITIONS

Custom`er access to this feature is default OFF in MMC 802.

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 315.
   Display shows:

   DISPLAY:
   ```
   SET RELOCATION
   EXT_    EXT
   ```

2. Enter first station number.(e.g., 202)
   press Right Soft button to move cursor.

   DISPLAY:
   ```
   SET RELOCATION
   EXT202  EXT_
   ```

3. Enter second station number.(e.g., 210)
   Press Right Soft button to enter data.

   DISPLAY:
   ```
   SET RELOCATE
   EXT202  EXT210
   ```

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

   DISPLAY:
   ```
   SET RELOCATION
   EXT_    EXT
   ```

5. Press Speaker button to advance next MMC.

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 316. Display shows:	(001)COPY USABLE FROM:NONE
2. Enter station use group number.(e.g., 005) OR Press Volume buttons to make selection and press Right Soft button to move cursor.	(005)COPY USABLE FROM:NONE
3. Enter station use group number to copy from Cursor is returned to step 2. OR Press Volume button to make selection.	(005)COPY USABLE FROM:003
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.	

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.

CONDITIONS

NONE

DEFAULT DATA

DIAL: YES

ACTION	DISPLAY
1. Press Transfer button and enter 317. Display shows:	(001) USE (001) DIAL:YES
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.	(005) USE (001) DIAL:YES (ALL) USE (001) DIAL:YES
3. Dial the station use group number.(e.g., 004) OR Press Volume button to select station and press Right Soft button.	(005) USE (004) DIAL:YES
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.	(005) USE (004) DIAL:NO
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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(NO) option for the phones. There are 5 cadences and a follow station option for SLT's.
It also allows the technician to assign the call priority for a group call when called by a specific station or when a specific trunk rings that phone. When calls into station group come and group members are all busy, the system will assign a priority to a specific station or a specific trunk so that calls from a high priority call will be placed at the front of the group queue. If this option sets NO, the longest call that placed at the group queue has the highest priority. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest.

Option	No	Description
TONE Option	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	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.

CONDITIONS

- Rings of digital phones are distinguished by their tone. If the T(TONE) of the originating internal/external station is set to 'NO', the bell rings according to the 'MMC 111 PHONE RING TONE' of the terminating station. If the T is set to 1-8, the bell rings according to the designated ring tone.
- Rings of common phones are distinguished by their ringing interval. If the C(CADENCE) of the originating internal/external station is set to 'NO', the bell rings according to the interval of 'MMC 510 SLI RING CADENCE' for each originating station type. If the C is set to 1-5, the bell rings according to the interval set at 'MMC 510 SLI RING CADENCE' regardless of the originating station type.

DEFAULT DATA

T: NO FOLLOW STATION SETTING
C: NO FOLLOW STATION SETTING
PRI: NO

ACTION	DISPLAY
1. Press Transfer button and enter 318. Display shows first station:	[201] RING TONE T:NO C:NO PRI:NO
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.	[705] RING TONE **T:NO C:NO PRI:NO**
3. Dial 1-8 to select ring tone. OR Press Volume button to select ring tone and press Right Soft button to move cursor.	[705] RING TONE **T:5 C:NO PRI:NO**
4. Dial 1-5 to select ring cadence OR Press Volume button to select ring cadence and press Right Soft button to move cursor.	[705] RING TONE T:5 C:3 **PRI:NO**
5. Enter priority level via dial keypad. (1-9 or NO)	[705] RING TONE T:5 C:**3 PRI:NO**
6. Press Transfer button and enter to exit. OR Press Speaker button to save and advance to next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 319. Display shows:	[201] BRANCH GRP BRANCH GRP:NONE
2. Dial station number.(e.g., 205) OR Press Volume button to select station and use Right Soft button to move cursor.	[205] BRANCH GRP BRANCH GRP:NONE
OR Press ANS/RLS button to select all stations.	[ALL] BRANCH GRP BRANCH GRP:??
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.	[205] BRANCH GRP BRANCH GRP:10
4. Press Transfer button and enter to save and exit. OR Press Speaker button to save and advance to next MMC.	

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.

No	Type	Description
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.


NOTE

When setting PRE FWD BUSY in MMC 210

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

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 320.
   Display shows:

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

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

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

   OR
   Press ANS/RLS button to select all stations.

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

3. Dial valid number via keypad.
   OR
   Press Volume button to select call type and press Right Soft button to move cursor.

   ```
   [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.

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

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

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.

CONDITIONS

NONE

DEFAULT DATA

EMPTY

ACTION	DISPLAY
1. Press Transfer button and enter 323. Display shows:	[201] SEND CLIP 1:
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.	[230] SEND CLIP 1:
3. Dial table number. OR Press Volume button to select table number and press Right Soft button to move the cursor.	[230] SEND CLIP 2:
4. Enter the Calling Party Number.	[230] SEND CLIP 2:3055922900
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.	

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.

No	Option	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)

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

ACTION	DISPLAY
1. Press Transfer button and enter 400. Display show:	[701] TRK ON/OFF 1A2 EMULATE:OFF
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.	[704] TRK ON/OFF 1A2 EMULATE:OFF [ALL] TRK ON/OFF 1A2 EMULATE:?
3. Dial option number from above list.(0-4) OR Press Volume button to select option and press Right Soft button to move cursor.	[704] TRK ON/OFF TRK FORWARD:ON
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.	[704] TRK ON/OFF TRK FORWARD:OFF
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

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

LCR PROGRAMMING

MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT TABLE

CALL FORWARD

MMC 102	CALL FORWARD
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

[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.

CONDITIONS

NONE

DEFAULT DATA

ALL TRUNK LINES

ACTION	DISPLAY
1. Press Transfer button and enter 401. Display shows:	[701] PBX LINE CO LINE
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.	[704] PBX LINE CO LINE [ALL] PBX LINE ?
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.	[704] PBX LINE PBX LINE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

NONE

[402] TRUNK DIAL TYPE

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

No	Type	Description
0	DTMF TYPE	Dual Tone Multi-Frequency
1	DIAL PULSE TYPE	DIAL PULSE
2	R2MFC TYPE	R2- Frequency

CONDITIONS

NONE

DEFAULT DATA

ALL TRUNKS: DTMF

ACTION

1. Press Transfer button and enter 402.
   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 the cursor.
   OR
   Press ANS/RLS button to select all.

3. 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.

4. 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
```

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.

No	Class	Description
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)

CONDITIONS

NONE

DEFAULT DATA

ALL TRUNKS: F-STN

ACTION

1. Press Transfer button and enter 403.
   Display shows:

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

2. 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.

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

3. 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:
   ```
   [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.

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

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

RELATED ITEMS

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

TOLL RESTRICTION

MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE
MMC 704	ASSIGN WILD CHARACTER
MMC 709	TOLL PASS CODE/SPECIAL CODE TABLE

[404] TRUNK NAME

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

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 404. Display shows:	[701] TRUNK NAME
2. Dial trunk.(e.g., 704) OR Press Volume button to select trunk and press Right Soft button to move the cursor.	[704] TRUNK NAME
3. Enter trunk name using the procedure described above Press Right Soft button to return to step 2.	[704] TRUNK NAME TELECOMS
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

INPUT NUMBERS

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.


NOTE

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, &, !, :, ?, ., %, $, -, <, >, /, = , [,], @, ^, (,), _, +, {, }, |, ; , \ , " , ~.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 405. Display shows:	[701] CO TEL NO.
2. Dial trunk.(e.g., 704) OR Press Volume button to select trunk and press Right Soft button to move the cursor.	[704] CO TEL NO.
3. Enter trunk number using the procedure described above.	[704] CO TEL NO. 3054264100
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.	

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.

CONDITIONS

NONE

DEFAULT DATA

ALL TRUNKS RING DEFAULT OPERATOR GROUP

ACTION	DISPLAY
1. Press Transfer button and enter 406. Display shows:	[701] TRK RING 1:500 2:500
2. 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 for all.	[704] TRK RING 1:500 2:500 [All] TRK RING 1:500 2:500
3. Dial ring plan number or press the Right Soft button to move the next step.	[704] TRK RING 1:500 2:500
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	[704] TRK RING 1:205 2:501
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 407. Display shows:	[701] TRK RELS. RELEASE?_Y:1,N:0
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.	[704] TRK RELS. RELEASE?_Y:1,N:0 [ALL] TRK RELS. RELEASE?_Y:1,N:0
3. Dial 1 for YES or Dial 0 for NO. (Pressing 1 or 0 will return to step 2)	[704] TRK RELS. RELEASE?_Y:1,N:0
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

Type	Description
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.

CONDITIONS

To use an external sound source, connect the corresponding port of the terminal box to the external sound source of the MISC card.

DEFAULT DATA

TONE

ACTION

1. Press Transfer button and enter 408.
   Display shows current setting.

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

2. Dial trunk number.(e.g., 704)
   OR
   Use Volume button to scroll through trunk numbers and press Right Soft button to move cursor.

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

   OR
   Press ANS/RLS button to select all.

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

3. Enter source number.(e.g., 371)
   OR
   Press Volume button to select option.
   Press Right Soft button to return to step 2 above.

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

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

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.

No	Type	Description
00	PORT	Port Number(Cabinet/Slot/Port)
01	TYPE	LOOP, GND, E & M, DID, BRI, PRI, VOIP
02	1A2 EMULATE	1A2 Emulation On/Off
03	TRK FORWARD	Trunk Forward On/Off
04	LINE	CO/PBX
05	DIAL	DTMF/Dial Pulse
06-11	TOLL TYPE 1-6	Ring Plan Toll Restriction(1-6)
12-17	RING PLAN 1-6	Ring Plan Ring Destination(1-6)
18	MOH SOURCE	MOH Source
19	DISA LINE	DISA Status

CONDITIONS

NONE

DEFAULT DATA

FOLLOW TRUNK

ACTION

1. Press Transfer button and enter 409.
   Display shows:

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

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.

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

3. Enter in desired option 00-12.(e.g., 02)
   OR
   Press Volume button to make selection.

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

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

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.

CONDITIONS

- 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).

DEFAULT DATA

ALL TRUNKS: NORMAL

ACTION / DISPLAY

1. Press Transfer button and enter 410.
   Display shows:

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

2. Dial trunk number.(e.g., 704)
   OR
   Press Volume button to select trunk and press Right Soft button.

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

   OR
   Press ANS/RLS button to select all trunks.

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

   OR
3. Press 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.

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

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

RELATED ITEMS

MMC 500	SYSTEM-WIDE COUNTERS
MMC 507	ASSIGN RING PLANS

[411] ASSIGN E1 SIGNAL TYPE

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

Trunk	Signaling	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		

CONDITIONS

An E1 card must be installed in the OfficeServ 500 system. Otherwise, the 'NO E1 TRUNK CARD' message is displayed.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 411. Display shows:	[701] E1 SIGNAL UNUSE
2. Enter desired trunk number.(e.g., 705) OR Press Volume button to make selection. Press Right Soft button to move cursor.	[705] E1 SIGNAL UNUSE
OR Press ANS/RLS button to select all trunks.	[ALL] E1 SIGNAL ?
3. Press Volume button to trunk type select and press Right Soft button to move cursor.	[705] E1 SIGNAL E&M:IMMEDIATE
4. Press Volume button to signaling select and press Right Soft button to move cursor.	[705] E1 SIGNAL E&M:ITU_WINK
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

TRUNK PROGRAMMING

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 425	ASSIGN CALLER ID TRUNKS
MMC 415	REPORT TRUNK ABANDON DATA
MMC 416	ASSIGN E & M/DID RINGDOWN
MMC 414	PRS SIGNAL
MMC 426	TRUNK GAIN CONTROL
MMC 436	TRUNK TMC GAIN
MMC 423	S/T MODE
MMC 424	BRI S0 MAPPING
MMC 418	BRI AND PRI CARD RESTART
MMC 417	E1/PRI CRC4 OPTION
MMC 420	PRI OPTIONS
MMC 419	BRI OPTIONS
MMC 421	MSN DIGIT
MMC 422	TRUNK COS
MMC 433	COST RATE
MMC 434	CONNECTION STATUS

[412] ASSIGN TRUNK SIGNAL

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

No	Signaling condition type
0	IMMEDIATE START
1	DELAYED START
2	WINK START

CONDITIONS

An analog E & M/DID Trunk card must be installed in the OfficeServ 500 system. Otherwise, the 'NO E & M/DID TRUNK' message is displayed.

DEFAULT DATA

IMMEDIATE

ACTION

1. Press Transfer button and enter 412.
   Display shows:

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

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:
   ```
   [705] TRK SIGNAL
   IMMEDIATE START_
   ```

   DISPLAY:
   ```
   [ALL] TRK SIGNAL
   IMMEDIATE START_
   ```

3. Enter desired trunk type selection from above list.
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

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 signaling for voice mail assigned trunk.

Type	Description	Default
AP	ANSWERING PHONE	NO
AT	AUDIO TEX	NO
AA	AUTO ATTENDANT	YES
VM	VOICE MAIL	NO

CONDITIONS

This program needs when VOICE MAIL/AUTO ATTENDANT(SVM-800) is used.

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1. Press Transfer button and enter 413.
   Display shows:

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

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.

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

3. Enter 1 for YES, or 0 for NO.
   OR
   Press Volume button to make selection and
   press Right Soft button.

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

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

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.

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

Type	Description
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.

CONDITIONS

- 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.

DEFAULT DATA

NORMAL(NONE)

ACTION

1. Press Transfer button and enter 414.
   Display shows:

   DISPLAY:
   ```
   [701] TRK PRS
   NONE
   ```

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

   DISPLAY:
   ```
   [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.

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

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

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:

No	Option	Description
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.

CONDITIONS

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.

DEFAULT DATA

ALL TRUNKS REPORT: YES

ACTION

DISPLAY

1. Press Transfer button and enter 415.
   Display shows:

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

2. Dial trunk number.(e.g., 705)
   OR
   Use Volume button to select trunk and press Right Soft button to move cursor.

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

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.

```
[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.

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.

No	Option	Description
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 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.

CONDITIONS

R2MFC trunk lines only support the 'FOLLOW INCOM DGT' and 'FOLLOW DID TRANS' options.

DEFAULT DATA

FOLLOW INCOMING DIGIT

ACTION

1. Press Transfer button and enter 416.
   Display shows:

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

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

   DISPLAY: `[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.

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

4. Enter the number of incoming digits.

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

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

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.

CONDITIONS

- It is useful with some networks which do not support CRC4 framing but only PCM30 framing.
- After changing this option, MMC 425 must be used to restart the card to make the change effective.

DEFAULT DATA

CRC4: ON

ACTION	DISPLAY
1. Press Transfer button and enter 417. Display shows:	[701] E1/PRI CRC ON
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.	[701] E1/PRI CRC ON
3. Enter 1 for ON 0 for OFF. OR Press Volume button to select and press Right Soft button.	[701] E1/PRI CRC OFF
4. Press Transfer button and enter to save and exit. OR Press Speaker button to save and advance to next MMC.	

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.

CONDITIONS

- A BRI card or TEPRI card must be installed in the system.
- Before setting the PRI program, the J2 jumper of the TEPRI board must be set 'ON' to PRI mode.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 418. Display shows first BRI or PRI circuit.	[725] RESTART CARD RESTART?NO
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.	[733] RESTART CARD RESTART?NO
3. Dial 1 for YES or Dial 0 for NO. Pressing 1 will advance to step 4.	[733] RESTART CARD RESTART?YES
4. Dial 1 for YES or Dial 0 for NO. Pressing 1 or 0 will return to step 2.	[733] RESTART ARE YOU SURE?YES
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

DEFAULT DATA

NONE

RELATED ITEMS

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

OPTIONS FOR BRI PORTS PROGRAMMED AS TRUNKS

No	Option	Description
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.

No	Option	Description
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

No	Option	Description
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)

CONDITIONS

- A BRI card must be installed in the system. Otherwise, the 'NO BRI CARD' message is displayed.
- If any changes are made in this MMC, the BRI card that is affected by these changes MUST be restarted using MMC 425 in order for the changes to become effective.

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

ACTION	DISPLAY
1. Press Transfer button and enter 419. Display shows first BRI channel:	[725] BRI-TRK CHANNEL ANY:YES
2. Dial BRI trunk number.(e.g., 727) OR Press Volume button to select BRI trunk and Press Right Soft button.	[727] 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.

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.

No	Option	Description
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 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.

CONDITIONS

- Before setting the PRI program, the J2 jumper of the TEPRI board must be set to 'ON' for PRI mode.
- After changing this program, execute 'MMC 425 BRI AND PRI CARD RESTART' to apply the new setting.

DEFAULT DATA

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

ACTION	DISPLAY
1. Press Transfer button and enter 420. Display shows:	[701] PRI OPTION CHANNEL ANY:YES
2. Dial first PRI trunk number in PRI card.(e.g., 730) OR Press Volume button to make selection and press Right Soft button.	[730] PRI OPTION CHANNEL ANY:YES
3. Enter option number to make selection. OR Press Volume button to make selection.	[730] PRI OPTION PRI MODE:DDI
4. Press Volume button to make selection. Then press Right Soft button.	[730] PRI OPTION PRI MODE:NORMAL
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

Field	Description
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.

CONDITIONS

- A BRI card must be installed in the system. Otherwise, the 'NO BRI CARD' message is displayed.
- 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.

DEFAULT DATA

NONE

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

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.

CONDITIONS

NONE

DEFAULT DATA

ALL RING PLANS COS 01

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.

```
[705] TRK COS
1:05  2:05  03:01
```

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

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.

No	Type	Description
0	TRUNK	The BRI trunk port use ISDN trunk.
1	STATION	The BRI trunk port use for ISDN phone.

CONDITIONS

The BRI card must be installed in the system. Otherwise the 'NO BRI CARD' message is displayed.

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 423.
   Display shows first BRI:

   DISPLAY:
   ```
   [725] S/T MODE
   TRUNK
   ```

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.

   DISPLAY:
   ```
   [727] S/T MODE
   TRUNK
   ```
   ```
   [ALL] S/T MODE
   TRUNK
   ```

3. Enter Circuit type.
   OR
   Press Volume button to select option.
   Press Right Soft button to return to step 2.

   DISPLAY:
   ```
   [727] S/T MODE
   STATION
   ```

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

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.

CONDITIONS

This function can be used only when the BRI card is installed in the system.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 424. Display shows first terminal number:	[8701]S0 MAPPING NONE
2. Dial terminal number. OR Press Volume button to make selection of terminal numbers and press Right Soft button to advance cursor.	[8704]S0 MAPPING NONE
3. Dial BRI port number. OR Use Volume button to scroll through ports. Press Right Soft button to return to step 2.	[8704]S0 MAPPING 712
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

No	Option	Description
0	NORMAL	This is not a Caller ID trunk.
1	CID TRUNK	This is a Caller ID trunk.


NOTE

Bellcore type data

Supports Bellcore type data only for Caller ID, others type will not supports. Available in Australia, Israel and Italy only.

CONDITIONS

- Before setting CID display, check if the RCM or RCM2 option card is mounted on the MCP card of the OfficeServ 500 system.
- The trunk line must be that of a phone service provider that provides CID.

DEFAULT DATA

ALL TRUNKS: NORMAL

ACTION	DISPLAY
1. Press Transfer button and enter 425. Display shows:	[701] CID TRUNKS NORMAL
2. Dial trunk number.(e.g., 705) OR Press Volume button to select trunk and press Right Soft button to move cursor.	[705] CID TRUNKS NORMAL
OR Press ANS/RLS button to select all.	[ALL] CID TRUNKS ?
3. Dial 0, 1 or 2 to change options. OR	[705] CID TRUNKS CID TRUNK
Press Volume button to select an option and press Right Soft button to return to step 2.	[705] CID TRUNKS CID TRUNK

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

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.

There are four types of adjustments as shown below:

No	Trunk Gain	Description
0	+0.0	No adjustment
1	+1.9	Up 1.9 dB
2	-6.0	Down 6.0 dB
3	-2.5	Down 2.5 dB

CONDITIONS

NONE

DEFAULT DATA

TX: +0.0
RX: +0.0

ACTION

1. Press Transfer button and enter 426.
   Display shows:

   ```
   [701] TRK GAIN
   RX:+0.0  TX:+0.0
   ```

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.

   ```
   [705] TRK GAIN
   RX:+0.0  TX:+0.0
   ```

3. Press Volume button to make selection.
   Press Right Soft button to move cursor.

   ```
   [705] TRK GAIN
   RX:+0.0  TX:+0.0
   ```

4. Press Volume button to make selection.
   Press Right Soft button to move cursor and return to Step 1.

   ```
   [701] TRK GAIN
   RX:+0.0  TX:-2.5
   ```

5. Press ANS/RLS button to select all.

   ```
   [ALL] TRK GAIN
   RX:+0.0  TX:+0.0
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

DIAL: YES

ACTION	DISPLAY
1. Press Transfer button and enter 428. Display shows:	(301) USE (301) DIAL:YES
2. Dial the trunk use group number.(e.g., 305) OR Press Volume button to selection and press Right Soft button.	(305) USE (301) DIAL:YES
OR Press ANS/RLS button to select all trunk use groups.	(ALL) USE (301) DIAL:YES
3. Dial the trunk use group number.(e.g., 304) OR Press Volume button to selection and press Right Soft button.	(305) USE (304) DIAL:YES
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.	(305) USE (304) DIAL:NO
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

ALL TRUNKS/ALL DIAL PLANS NO COST RATE ASSIGNED

ACTION	DISPLAY
1. Press Transfer button and enter 433. Display shows trunk number and Cost Rate table numbers.	[701] :12345678 CR :00000000
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.	[705] :12345678 CR :00000000
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 O for NO and press Right Soft button to return to step 1. OR	[701] :12345678 CR :01000000
4. Press Transfer button and enter to exit.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

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
```

RELATED ITEMS

MMC 108	STATION STATUS
MMC 409	TRUNK STATUS

[436] TRUNK TMC GAIN

Allows loss levels of TMC 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.

CONDITIONS

- 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.

DEFAULT DATA

TX: +0 dB
RX: +0 dB

ACTION	DISPLAY
1. Press Transfer button and enter 436. Display shows:	[701] TMC GAIN RX:+0 dB TX:+0 dB
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.	[705] TMC GAIN RX:+0 dB TX:+0 dB [ALL] TMC GAIN RX:+0 dB TX:+0 dB
3. Press Volume button to make selection. Press Right Soft button to move cursor.	[705] TMC GAIN RX:+0 dB TX:+0 dB
4. Press Volume button to make selection Press Right Soft button to move cursor and return to step 2.	[701] TMC GAIN RX:+0 dB TX:-2 dB
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	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 = -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.

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 500. Display shows:	ALARM REM.CNTER 05→
2. Enter number from above list.(e.g., 6) OR Press Volume button to make selection and press Right Soft button to move cursor.	UCDS AUDIO ALARM 00→
3. Enter in new value via dial keypad. If entry is valid, system will return to step 2.	UCDS AUDIO ALARM 00→02
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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
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.
CID DSP ALLOC TM	500	0-900 MS	The delay time that allocate the CID receiver after trunk incoming detection
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 CONFIRM 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).
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.

Timer Name	Default	Range Unit	Description
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 Signaling 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 OPTIMIZE	5	0-250 SEC	When the call is made via Q-SIG signaling, 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.
VOIP RE-ROUTE TM	5	2-25 SEC	When the outgoing call is made via VOIP trunk and does not receive ack message from called party within this time, the call is treated as fail.


NOTE

When the value is '0

Certain timers are disabled when the value is '0 .

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME TIMERS ARE DEPEND ON COUNTRY

ACTION

1. Press Transfer button and enter 501.
   Display shows first timer value:

   DISPLAY: `AA INT DGT TIME`
   `05 SEC→`

2. Press Volume button to select timer and press Right Soft button to move cursor.

   DISPLAY: `KMMC LOCK OUT TM`
   `060 SEC→`

3. Enter new value using keypad; if valid, system returns to step 2 with new value.

   DISPLAY: `KMMC LOCK OUT TM`
   `060 SEC→250`

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

RELATED ITEMS

NONE

[502] STATION-WIDE TIMERS

Allows certain station timer values to be changed on a per-station basis or for all stations.

No	Item	Description
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)
5	CC RNG DLY	When the station does not answer incoming call within this time, the other stations with CC key of that station will be ringing together. This feature only applies to the station call and station group call does not serviced.(10 sec)

CONDITIONS

NONE

DEFAULT DATA

NO ANS FWD: 015 SEC
DTMF DUR: 100 MSEC
F-DGT DELY: 600 MSEC
OFFHK SEL: 015 SEC
EFWD DELAY: 010 SEC
CC RNG DLY: 010 SEC

ACTION	DISPLAY
1. Press Transfer button and enter 502. Display shows:	[201] NO ANS FWD 015 SEC→
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.	[205] NO ANS FWD 015 SEC→_ [ALL] NO ANS FWD 015 SEC→_
3. Enter new value(must be three digits) via dial keypad.(e.g., 020) System will return to step 2.	[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.	[205] DTMF DUR. 0100 MS →_
5. Enter new timer value.(must be four digits, e.g., 0200) System returns back to step 2.	[205] DTMP DUR. 0100 MS →0200
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Item	Description	Range
00	ANS.BAK TM	ANSWER BACK TIME. This timer is used for certain types of E & M signaling and does not affect normal CO lines.	0-2500 MSEC
01	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.	100-9900 MSEC
02	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.	10-2500 MSEC
03	DTMF DUR.	DTMF DURATION. This is the length of the DTMF digits that will be sent to the CO on this line.	100-9900 MSEC
04	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.	100-9900 MSEC
05	FLASH TIME	This is the duration of the momentary open sent on a circuit when FLASH key is pressed.	20-2500 MSEC
06	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.	1-25 SEC
07	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.	1-25 SEC
08	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.	0-2500 MSEC
09	RNG DET TM	RING DETECT TIME. This is the minimum length of ring signal the system will regard as a valid ring.	10-2500 MSEC
10	WINK TIME	This is the duration of the acknowledgment signal that the system will send on an E & M circuit	100-300 MSEC
11	MF/DP INT	This is the interval between sending digit. In case of DTMF signal, over the 500ms will be serviced as 100 ms.	100-9900 MSEC
12	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.	0-25 SEC

CONDITIONS

NONE

DEFAULT DATA

ANS.BAK TM: 0600 MSEC
CLEARING: 1000 MSEC
CO SUPV TM: 2500 MSEC
DTMF DUR.: 0100 MSEC
F-DGT DELY: 0600 MSEC
FLASH TIME: 0600 MSEC
NO RING TM: 04 SEC
PAUSE TIME: 03 SEC
PRS DET TM: 0000 MSEC
RNG DET TM: 0350 MSEC
WINK TIME: 200 MSEC
MF/DP INT: 0700 MSEC
MFR DLY TIME: 00 SEC

ACTION	DISPLAY
1. Press Transfer button and enter 503. Display shows:	[701] ANS.BAK TM 0600 MS →
2. Dial trunk number.(e.g., 704) OR Press Volume button to select trunk and press Right Soft button to move cursor.	[704] ANS.BAK TM 0600 MS →
OR Press ANS/RLS button to select all trunks.	[ALL] ANS.BAK TM 0600 MS →_
3. Dial timer number from the list. OR Press Volume button to select timer and press Right Soft button to move cursor.	[704] DTMF DUR. 0100 MS →_
4. Enter new timer value. (must be four digits, e.g., 0200) System returns to step 2.	[704] DTMF DUR. 0100 MS→0200
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Item	Description
0	MAKE/BREAK RATIO	Make/Break ratio of dial pulse(01-99)
1	PLUS PER SECOND	Number of dial pulses per second(10 or 20)

CONDITIONS

NONE

DEFAULT DATA

MAKE/BREAK: 33 MAKE
PULSES PER SECOND: 10 PPS

ACTION

1. Press Transfer button and enter 504.
   Display shows:

   DISPLAY:
   ```
   MAKE/BREAK RATIO
   33 MAKE→
   ```

2. Dial 0 or 1 for option.
   OR
   Press Volume button for selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   PULSE PER SECOND
   10 PPS→_
   ```

3. Dial new value.
   System returns to step 2.

   DISPLAY:
   ```
   PULSE PER SECOND
   10 PPS→20
   ```

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

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.

Type	Description	Range
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

CONDITIONS

NONE

DEFAULT DATA

FOLLOW SOFTWARE DATE 12:00

ACTION

1. Press Transfer button and enter 505.
   Display shows:

   DISPLAY:
   ```
   OLD:0111095:0901
   NEW:YYMMDDW:HHMM
   ```

2. Enter new time and date using above table
   System returns to step 2.

   DISPLAY:
   ```
   OLD:0111095:0901
   NEW:0111121:1445
   ```

3. Verify time and date.
   Re-enter if necessary.

   DISPLAY:
   ```
   OLD:0111121:1445
   NEW:YYMMDDW:HHMM
   ```

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

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.

No	Item	Description
00	BUSY TONE	The called station is busy.
01	CONFM/BARGE	A feature has been successfully activated/cleared or a Barge In with Tone has been performed.
02	DIAL TONE	The system is ready to interpret key presses/dialled digits.
03	DND/NO MORE	The called station is in DND or has no free CALL buttons.
04	ERROR TONE	An error has been made.
05	HOLD/CAMPON	This is the system generated hold tone.
06	MSGWAT TONE	This is the tone heard at an SLT with a message waiting.
07	RGBACK TONE	The called station is ringing.
08	RING TONE	This is the tone heard from ROP device or Loud Bell when these devices are called.
09	TRANSFERER TONE	This is the tone heard when the transfer button is pressed or an SLT hook flashes.
10	DID RNGBACK	This is the tone heard by the outside party when they dial a DID number.
11	CO BUSY TONE	This is used to detect the busy tone provided from Central Office or PBX system.
12	CO RINGBACK	This is used to detect the ring back tone provided from Central Office or PBX system.
13	CO DIAL	This is used to detect the dial tone provided from Central Office or PBX system.

CONDITIONS

NONE

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 RINGBACK TONE	1000	2000	1000	2000
CO BUSY TONE	350	350	350	350
CO RINGBACK TONE	1000	4000	1000	4000
CO DIAL TONE	CONTINUOUS			

ACTION	DISPLAY
1. Press Transfer button and enter 506. Display shows:	BUSY TONE INTERRUPT TONE
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.	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.	TRANSFERER TONE INTERRUPT TONE
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.	TRANSFERER TONE:0100 9900 0100 9900

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


NOTE

All times are in milliseconds.

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.

CONDITIONS

- When using a Samsung Built in Voice Mail Card that only has day/night mode, the day/night must be set for each RING PLAN at 'MMC 758 VM DAY/NIGHT'.
- 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

Ring Plan 1

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.

DEFAULT DATA

START: NONE
END: NONE

ACTION	DISPLAY
1. Press Transfer button and enter 507. Display shows:	RING PLAN (SUN:1) ST: END:
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.	RING PLAN (WED:1) ST: END:
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.	RING PLAN (WED:2) ST:_ END:
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.	RING PLAN (WED:1) ST:1030 END:1800
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Item	Description
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.

CALL COST

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.

CONDITIONS

NONE

DEFAULT DATA

UNIT COST PER MP 100 PERCENT
CALL COST RATE 100 PERCENT

ACTION

1. Press Transfer button and enter 508.
   Display shows:

   DISPLAY:
   ```
   UNIT COST PER MP
   0100PESET→
   ```

2. Dial 0 OR 1.(e.g., 1)
   OR
   Press Volume button to select , and press
   Right Soft button to move cursor.

   DISPLAY:
   ```
   CALL COST RATE
   100 %→
   ```

3. Enter new value.(e.g., 110 for 110 percent)
   System returns to step 2.

   DISPLAY:
   ```
   CALL COST RATE
   110 %
   ```

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

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.

No	Item	Description
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.

CONDITIONS

NONE

DEFAULT DATA

(a unit: milliseconds)

Item	ON	OFF	ON	OFF
STN RING	1000	3000	1000	3000
TRK RING	0400	0200	0400	2000
DOOR RING	0400	0100	0400	2000
ALM RING	0400	0200	0400	3000
CBK RING	1000	4000	1000	4000

ACTION

DISPLAY

1. Press Transfer button and enter 510.
   Display shows:

```
1:STN RING:0400
0200 0400 3000
```

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:DOOR RING:0400
0100 0400 2000
```

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.

```
3:DOOR RING:0100
9900 0100 9900
```

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

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.

No	Item	Description
0	INTERRUPTED	The MW lamp will flash at a rate determined by the timer settings. The shortest on time is 100 ms and the longest on time is 3000 ms. The timer is adjusted in 100 ms increments.
1	CONTINUOUS	When an MWSLI port has a message, the lamp will be lit steady.

CONDITIONS

MWSLI SUPPORTED CARDS ONLY

DEFAULT DATA

INTERRUPT LED: 1000 MS-ON 1000 MS-OFF

ACTION

1. Press Transfer button and enter 511.
   Display shows:

   DISPLAY: `MW LAMP CADENCE` / `INTERRUPT LED`

2. Press 0 or 1 to select CADENCE.
   OR
   Press Volume button to make selection.
   Press Right Soft button to advance step 3.

   DISPLAY: `MW LAMP CADENCE` / `INTERRUPT LED`

3. Dial new values for interrupt times.(four digits)

   DISPLAY: `MW LAMP CADENCE` / `2000 2000`

   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.

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

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.

CONDITIONS

NONE

DEFAULT DATA

NO HOLIDAY ASSIGNED
FOLLOW RING PLAN 1

ACTION	DISPLAY
1. Press Transfer button and enter 512. Display shows the Ring Plan:	RING PLAN FOLLOW 1
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)	RING PLAN FOLLOW 2
3. Press Right Soft button to enter and advance cursor.	RING PLAN FOLLOW 2
4. Press Volume button to scroll to Assign Holiday and press Right Soft button to advance cursor.	ASSIGN HOLIDAY 01:
5. Press Volume button to select entry and press Right Soft button enter and advance cursor.	ASSIGN HOLIDAY 05:
6. Dial date using the dial pad for holiday.(e.g., 0704)	ASSIGN HOLIDAY 05:0704
7. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Item	Description
0	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.
1	ROOM CLEAN TIME	This is the time each day that the system will flag all occupied rooms as NEEDS CLEANING.
2	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.

CONDITIONS

This function can be used only when the hotel function is enabled at 'MMC 813 HOTEL OPERATION'.

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 513.
   Display shows:

   DISPLAY:
   ```
   CHECK OUT TIME
   HH:MM :   :
   ```

2. Select the timer using the Volume buttons.

   DISPLAY:
   ```
   ROOM CLEAN TIME
   HH:MM :   :
   ```

3. Enter new time using above 24 hour clock system returns to step 2.

   DISPLAY:
   ```
   ROOM CLEAN TIME
   HH:MM : 11:30
   ```

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

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.

No	Type
0	BUSY TONE
1	DIAL TONE
2	DND/NO MORE
3	TRANSFER TONE
4	MSGWAIT TONE
5	ERROR TONE
6	RINGBACK TONE

CONDITIONS

NONE

DEFAULT DATA

TONE

ACTION

DISPLAY

1. Press Transfer button and enter 514.
   Display shows:

   ```
   BUSY TONE
   TONE
   ```

2. Enter the system tone number.(0-6)
   OR
   Press Volume button to select tone number and press Right Soft button to move cursor.

   ```
   DIAL TONE
   TONE
   ```

3. Dial a number for external tone source.
   OR
   Press Volume button to select tone number and press Right Soft button to store.

   ```
   DIAL TONE
   372
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 515. Display shows:	NO:YY:START:END 01: : :
2. Enter entry number.(e.g., 01 for current year) OR Press Volume button to select entry number and press Right Soft button to move cursor.	NO:YY:START:END 01:_ : :
3. Enter year.(e.g., 03 for 2003) OR Press Volume button to select year and press Right Soft button to move cursor.	NO:YY:START:END 00:03:_ :
4. Enter the start date in format MMDD. (e.g., 30th March would be 0330)	NO:YY:START:END 00:03:0330 : ___
5. Enter the start date in format MMDD. (e.g., 26th October would be 1026)	NO:YY:START:END 00:03:0330 :1026
6. Press Transfer button and enter to exit. OR Press Speaker button to save and advance to next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

RING PLAN 1~6: 500

ACTION	DISPLAY
1. Press Transfer button and enter 600. Display shows:	OPERATOR GROUP 1:500 2:500
2. Dial the ring plan number.(1~6) OR Press Right Soft button to advance the cursor.	OPERATOR GROUP 1:500 2:500
3. Dial the group number. OR Press Volume button to select group and press Right Soft button.	OPERATOR GROUP 1:501 2:500
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

No	Option	Description
0	TYPE	This is the type of group you are creating and can be one of the following: 0 NORMAL: Used to assign stations in a ring group. The members can be stations, common bell contacts or Ring over Page relays. 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 I n MMC 726 to ensure that the In band DTMF codes are properly set. 2 UCD: Used to build a UCD group. The system will support two methods of UCD: - TYPE 1 UCD 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. Please note that this type of UCD group has the following limitations. a) The announcement device must be able to terminate the announcement with a hook flash and a transfer back to the UCD group. b) Only one caller at a time can hear the announcement. c) Each caller connected to the announcement must hear the announcement in its entirety. d) It is possible that a new caller may 'jump ahead' in the queue if a previous caller is currently connected to the announcement device. - TYPE 2 UCD 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. 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. This type of UCD group has the following advantages: a) No external device need be installed to provide an announcement. b) Multiple callers can hear the announcement(s) simultaneously.

No	Option	Description
0	TYPE	c) Callers hearing the announcement will be transferred to a free UCD group member(agent) as soon as the agent becomes available. d) The callers place in queue is always maintained. 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. 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. 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. 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. 6 S0 STN GRP: This is used to group a number of S0 station for video conference.
1	RING MODE	Each group can have one of the following ring modes. This will decide how calls are placed to the group. 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. 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.

No	Option	Description
1	RING MODE	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.
2	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.
3	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.
4	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: 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. 2 RING OVER PAGE The ROP port can be defined as the NEXT port. 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. This option only works when MMC 210 SGR INC BUSY is set to OFF. When MMC 210 SGR INC BUSY is set to ON, all station groups will follow this setting.
8	GRP AUTOANS	When this option is set to ON, a group call follows auto answer option also.

Calls to a group

Calls to a group do not follow the call forwarding instructions of any stations in the group.

CONDITIONS

- A station can be assigned to all station groups. A station group can normally accommodate up to 48 members, but only up to 32 members if the RING MODE is 'UNCONDITIONAL'.
- To enable off-hook ring for calls incoming to busy members, set the OFFHOOK RING of MMC 300 CUSTOMER ON/OFF PER STATION OFFHOOK RING to 'ON'. Even in this case, however, the off-hook ring is enabled only when the RING MODE is 'UNCONDITIONAL'.

DEFAULT DATA

NORMAL GROUP

ACTION	DISPLAY
1. Press Transfer button and enter 601. Display shows:	[501] STN.GROUP TYPE:NORMAL GRP
2. Dial group number.(e.g., 505) OR Press Volume button to select group and Press Right Soft button to move cursor.	[505] STN.GROUP TYPE:NORMAL GRP
3. Dial feature option number.(0-7, e.g., 0) OR Press Volume button to scroll options and press Right Soft button to move cursor.	[505] STN GROUP TYPE:VMAA GROUP
4. DIAL group type.(e.g., 1) OR Press Volume button to make selection. Press Left Soft button to move cursor to TYPE.	[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.	[505] STN GROUP RING:DISTRIBUTE
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.	[505] STN GROUP RING:SEQUENTIAL

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.

```
[505] STN GROUP
RING:SEQUENTIAL
```

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

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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 602. Display shows:	`[500] SGR NAME`
2. Dial group number.(e.g., 505) OR Press Volume button to make selection and press Left or Right Soft button to move cursor.	`[505] SGR NAME`
3. Enter in name using above method and table.	`[505] SGR NAME` `TELECOMS`
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.	

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.

ASSIGN TRUNK GROUP

One trunk can appear in more than one trunk group. If necessary, delete the trunk member from other groups to prevent accidental access.

CONDITIONS

NONE

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

ACTION	DISPLAY
1. Press Transfer button and enter 603. Display shows:	[9] TRK GROUP MODE:SEQUENTIAL
2. Enter in valid trunk group.(e.g., 9) OR Press Volume button to make selection and press Right Soft button to advance cursor.	[9] TRK GROUP MODE:SEQUENTIAL
3. Press Right Soft button to change mode. OR Press Volume button to change mode to member.	[9] TRK GROUP MEMBER 01:NONE
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.	[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.

```
[9]   TRK GROUP
MEMBER 01:729
```

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.

RELATED ITEMS

LCR PROGRAMMING

MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT TABLE

VoIP PROGRAMMING

MMC 832	VOIP ACCESS CODE
MMC 833	VoIP IP TABLE

[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.

CONDITIONS

NONE

DEFAULT DATA

NO STATIONS ASSIGNED

ACTION	DISPLAY
1. Press Transfer button and enter 604. Display shows:	INT.PAGE ZONE(0) MEMBER 01:NONE
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.	INT.PAGE ZONE(3) MEMBER 01:NONE
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.	INT.PAGE ZONE(3) MEMBER 05:NONE
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.	INT.PAGE ZONE(3) MEMBER 05:205
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

NONE

[605] ASSIGN EXTERNAL PAGE ZONE

Determines which relays will close when one of the four external page zones is accessed.


NOTE

The OfficeServ 500 system must be equipped with a MISC daughter-board to allow external paging.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 605. Display shows first page zone:	EXT. PAGE ZONE(5) MEMBER 1 :NONE
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.	EXT. PAGE ZONE(6) MEMBER 1 :NONE
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.	EXT. PAGE ZONE(6) MEMBER 3 :NONE
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.	EXT. PAGE ZONE(6) MEMBER 3 :362
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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(950 numbers when MMC 861 SYSTEM SPEED BIN is set to MAX 950) 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.

CONDITIONS

NONE

DEFAULT DATA

SYSTEM: 200 ENTRIES
STATIONS: 1 BLOCKS ASSIGNED

ACTION	DISPLAY
1. Press Transfer button and enter 606. Display shows:	FREE LIST:20 SYSTEM:20
2. Press Right Soft button to advance next line.	FREE LIST:20 SYSTEM:20
OR You can view BUSY LIST using Volume button.	BUSY LIST:180 SYSTEM:20
3. Make a selection of SYSTEM or EXT using. Volume button and press Right Soft button to advance cursor.	FREE LIST:20 EXT201:1
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.	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).

```
FREE LIST:20
EXT205:5
```

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

DEFAULT DATA

SYSTEM: 200 ENTRIES
STATIONS: 1 BLOCKS ASSIGNED

RELATED ITEMS

MMC 105	TATION SPEED DIAL
MMC 106	TATION SPD NAME
MMC 705	SSIGN SYSTEM SPEED DIAL
MMC 706	YSTEM SPEED DIAL BY NAME
MMC 861	YSTEM OPTIONS

[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:

Message	Description
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:

No	Option	Description
00	FIRST MESSAGE	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'. This message will only be played once for the caller.
01	SECOND MESSAGE	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'. This message will be repeated for as long as the caller is in queue, at an interval specified in the UCD Recall Timer below.
02	EXIT CODE	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.
03	RETRY COUNT	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. 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.

No	Option	Description
04	FINAL DESTINATION	This is the final destination for the caller if not answered by a UCD agent. 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). 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. 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. 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.)
05	RING NEXT TIME	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.
06	UCD RECALL TIME	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.
07	MOH SOURCE	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.
08	WRAP-UP TIME	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.

No	Option	Description
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.

CONDITIONS

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

ACTION	DISPLAY
1. Press Transfer button and enter 607. Display shows:	[530] UCD OPTION FIRST MSG :61
2. 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.	[542] UCD OPTION FIRST MSG :61 [530] UCD OPTION FIRST MSG :25 [530] UCD GROUP UCD RECALL:10 SEC
3. Press Right Soft button and advance to next option using the Volume buttons to make a selection. OR Make a selection using the dial pad.	[530] UCD OPTION UCD RECALL:10 SEC
4. Press Left Soft button to enter the selection and to return to step 1. OR Press Right Soft button to return to step 3.	[530] UCD OPTION EXIT CODE :NONE
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

PHONES: 10 BINS

ACTION	DISPLAY
1. Press Transfer button and enter 608. Display shows first station:	[201] REVIEW BLK 10:0060 FREE
2. Enter desired EXT number.(e.g., 205) OR Press Volume button to make selection and press Right Soft button to advance cursor.	[205] REVW BLOCK 10:0060 FREE
3. Enter valid number for bins.(e.g., 5) OR Press Volume button to make selection. OR Press Hold button to delete bin(s).	[205] REVW BLOCK 50:0010 FREE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 119	CALLER ID DISPLAY
MMC 312	ALLOW CALLER ID
MMC 725	SMDR OPTIONS

[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.

CONDITIONS

NONE

DEFAULT DATA

PHONES: 10 BINS

ACTION	DISPLAY
1. Press Transfer button and enter 609. Display shows first station:	[201] LOG BLOCK 10:0070 FREE
2. Enter desired EXT number.(e.g., 205) OR Press Volume button to make selection and press Right Soft button to advance cursor.	[205] LOG BLOCK 10:0070 FREE
3. Enter valid number for bins.(e.g., 5) OR Press Volume button to make selection. OR Press Hold button to delete bin(s).	[205] LOG BLOCK 50:0030 FREE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

NONE

[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.

CONDITIONS

NONE

DEFAULT DATA

ITP-5012L sets are automatically set to USED

ACTION	DISPLAY
1. Press Transfer button and enter 611. Display shows:	[201] TMSG STN NOT USED:100 FREE
2. Enter the number of a station. OR Press Volume button to make selection and press Right Soft button to advance cursor.	[202] TMSG STN NOT USED:100 FREE
3. Specify whether text message will be used or not.	[202] TMSG STN USED
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 117 EDIT 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. This feature is only for Large LCD Phone(ex: ITP-5012L,DS-5012L. WIP-5000M)

CONDITIONS

NONE

DEFAULT DATA

Large LCD Phone sets are automatically set to USED

ACTION	DISPLAY
1. Press Transfer button and enter 612. Display shows:	[201] CONF STN NOT USED:100 FREE
2. Enter the number of a station. OR Press Volume button to make selection and press Right Soft button to advance cursor.	[202] CONF STN NOT USED :100 FREE
3. Specify whether a group conference be used or not.	[205] CONF STN USED
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

Call group can be set from 001 to 300 for station, and from 301 to 500 for trunk.

DEFAULT DATA

ALL STATIONS: 001
ALL TRUNKS: 301

ACTION	DISPLAY
1. Press Transfer button and enter 614. Display shows first station:	STATION GROUP 201:001
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.	TRUNK GROUP 701:301
3. Enter a number you want. OR Press Volume button to make selection and press Right Soft button to advance cursor.	TRUNK GROUP 702:301
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.	TRUNK GROUP 702:302
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Type	Description
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)

CONDITIONS

NONE

DEFAULT DATA

LOCAL ITP: MGI1, MGI2, MGI3
PUB IP ITP: MGI2, MGI3
VOIP NTWK: MGI2, MGI3
PUB IP NTWK: MGI2, MGI3
VOIP TRUNK: MGI2, MGI3
PUB IP TRK: MGI2, MGI3
MGI3 NEEDED: MGI3
PUB IP MGI3: MGI3
ITP PAGED: MGI1, MGI2, MGI3

ACTION	DISPLAY
1. Press Transfer button and enter 615. Display shows the first available option:	USER: LOCAL ITP MODE:SEQUENTIAL
2. Press Volume button to select an user type. Press Right Soft button to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
3. Press Volume button to select an option and press Right Soft button to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
4. Press Volume button to select an data and press Right Soft button to store data and move cursor to return to step 1.	USER: LOCAL ITP MODE:SEQUENTIAL
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 616.
   Display shows the first available option:

   DISPLAY:
   ```
   [3801] MGI USER
   NONE
   ```

2. Enter MGI dial number.
   OR
   Press Volume button to select an MGI port and press Right Soft button to move cursor.

   DISPLAY:
   ```
   [3801] MGI USER
   NONE
   ```

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.

   DISPLAY:
   ```
   [3801] MGI USER
   NONE
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 700. Display shows:	COPY COS ITEMS COS01→COS01
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.	COPY COS ITEMS COS05→COS01
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.	COPY COS ITEMS COS05→COS06
4. Press F key to advance MMC 701 and press Right Soft to advance cursor.	COS CONTENTS(06) TOLL LEVEL:A
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Category	Description			
0	TOLL LEVEL	**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	**No**	**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

No	Category	Description			
1	USABLE FEATURES	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
		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

No	Category	Description			
1	USABLE FEATURES	58	STN LOCK	YES	Station Lock
		59	SYS SPD	YES	System Speed dial
		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

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1. Press Transfer button and enter 701.
   Display shows:

```
COS CONTENTS(01)
TOLL LEVEL:A
```

2. Dial COS.(e.g., 06)
   OR
   Press Volume button to select COS number and press Right Soft button to move cursor.

```
COS CONTENTS(06)
TOLL LEVEL:A
```

3. 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.

```
COS CONTENTS(06)
00:AA CALER :YES
```

4. Dial COS usable feature option.(e.g., 12)
   OR
   Press Volume button to select option and press Right Soft button to move cursor.

```
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.

RELATED ITEMS

MMC 700	COPY COS CONTENTS
MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE

TOLL RESTRICTION

MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE
MMC 704	ASSIGN WILD CHARACTER
MMC 709	TOLL PASS CODE/SPECIAL CODE TABLE

[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.

CONDITIONS

NONE

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

PROGRAM BUTTONS

A	Used to wild card X entered
B	Used to wild card Y entered
C	Used to wild card Z entered

ACTION	DISPLAY
1. Press Transfer button and enter 702. Display shows:	DENY(001):BCDEFG :000000
2. Dial index number.(e.g., 005) OR Press Volume button to select index and press Right Soft button to move cursor.	DENY(005):BCDEFG _ :000000
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.	DENY(005):BCDEFG 212_ :000000 DENY(005):BCDEFG 21X_ :000000

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.

```
DENY(001):BCDEFG
212      :000100
```

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

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.

CONDITIONS

NONE

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

PROGRAM BUTTONS

A	Used to wild card X entered
B	Used to wild card Y entered
C	Used to wild card Z entered

ACTION	DISPLAY
1. Press Transfer button and enter 702. Display shows:	ALOW(001):BCDEFG :000000
2. Dial index number.(e.g., 005) OR Press Volume button to select index and press Right Soft button to move cursor.	ALOW(005):BCDEFG _ :000000
3. Enter toll pattern via dial pad.(e.g., 202) OR	ALOW(005):BCDEFG 202_ :000000
Enter wild card(e.g., 21X) from above list and press Right Soft button to move cursor to COS options.	ALOW(005):BCDEFG 20X_ :000000

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.

```
ALOW(001):BCDEFG
202      :000100
```

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

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.

CONDITIONS

NONE

DEFAULT DATA

X ENTRIES SET TO 1
OTHER ENTRIES SET TO 0

ACTION	DISPLAY
1. Press Transfer button and enter 704. Display shows:	:0123456789*# X:111111111111
2. Press Volume button to select X, Y, or Z.(e.g., Z) and press Right Soft button to advance cursor to option line.	:0123456789*# Z:000000000000
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.	:0123456789*# Z:000001000000
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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(950 entries when MMC 861 SYSTEM SPEED BIN is set to MAX 950) 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 recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

CONDITIONS

NONE

DEFAULT DATA

NONE

PROGRAM BUTTONS

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:	SYS SPEED DIAL 500:
2. Dial speed index desired.(e.g., 505) OR Press Volume button to make selection and press Right Soft button to move cursor.	SYS SPEED DIAL 505:
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.	SYS SPEED DIAL 505:9 121223456789
4. Press F key to toggle to MMC 706 step 3 to enter name.	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)

```
SYS SPEED DIAL
ADD CLI XLT ?NO
```

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

RELATED ITEMS

MMC 606	ASSIGN SPEED BLOCK
MMC 706	SYSTEM SPEED DIAL BY NAME
MMC 728	CLIP NAME TRANSLATION
MMC 861	SYSTEM OPTIONS

[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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NO NAMES

PROGRAM BUTTONS

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 706. Display shows:	SYS SPEED NAME 500:
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.	SYS SPEED NAME 505:_
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.	SYS SPEED NAME 505:TELECOMS SYS SPEED DIAL 505:_
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)	SYS SPEED NAME ADD CLI XLT ?NO

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.

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 707. Display shows:	AUTHOR.CODE(001) C:01
2. Dial code index number.(e.g., 005) OR Press Volume button to selected index number and press Right Soft button to move cursor.	AUTHOR.CODE(005) _ C:01
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.	AUTHOR.CODE(005) 1234567890 C:01
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.	AUTHOR.CODE(005) 1234567890 C:05
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 305 ASSIGN FORCED CODE

[708] ACCOUNT CODE

Enables the account code entry feature. There are 999 available entries.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 708. Display shows:	ACCOUNT CODE 001:
2. Dial code index number.(e.g., 005) OR Press Volume button to selected index number and press Right Soft button to move cursor.	ACCOUNT CODE 005:
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.	ACCOUNT CODE 005:1234
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Special Code	Description
0	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 dialled. Toll restriction will be applied to the digits following the trunk access code.
1	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.
2	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.
3	OVRD USE TRK GRP	This entry designates the trunk group that toll override calls will access.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 709. Display shows:	PBX ACCESS CODE 1:
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.	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.	TOLL OVERRIDE 3:_
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.	TOLL OVERRIDE 3:911
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 401	TRUNK LINE/PBX LINE
MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE
MMC 305	FORCED CODES

TOLL RESTRICTION

MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE
MMC 704	ASSIGN WILD CHARACTER

[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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 710. Display shows:	LCR DIGIT (0001) DIGIT:
2. Dial LCR entry.(e.g., 0005) OR Press Volume button to select entry and press Right Soft button to move cursor.	LCR DIGIT (0005) DIGIT:_
3. Enter LCR digit string via the dial keypad and press Right Soft button. OR Press Left Soft button to return to step 1.	LCR DIGIT (0005) DIGIT:305426
4. Enter digit length.(max: 31) Cursor will move to RT(route selection).	LCR DIGIT (0005) LENGTH:10 RT:01
5. Enter RT.(01-32) Valid entry will return you to step 1.	LCR DIGIT (0005) LENGTH:10 RT:01
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 711. Display shows:	LCR TIME (SUN:A) HHMM: LCRT:-
2. Dial day of week.(SUN-SAT, e.g., WED) OR Press Volume button to make day selection and press Right Soft button.	LCR TIME (WED:A) HHMM: LCRT:-
3. Dial time band.(A-D, e.g., B) OR Press Volume button to make selection and press Right Soft button.	LCR TIME (WED:B) HHMM: LCRT:-
4. Dial time via keypad.(24-hour format, e.g., 0800) Cursor moves to LCRT.(reference MMC 712)	LCR TIME (WED:B) HHMM:0800 LCRT:-
5. Dial time table number.(1-4) OR Press Volume button to make selection and press Right Soft button.	LCR TIME (WED:B) HHMM:0800 LCRT:1
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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 utilize succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 712. Display shows:	LCR ROUTE (01:1) C:1 G:NONE M:---
2. Dial LCR ROUTE table number.(e.g., 05) OR Press Volume button to selected table and press Right Soft button to move cursor.	LCR ROUTE (05:1) C:1 G:NONE M:---
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.	LCR ROUTE (05:2) C:1 G:NONE M:---
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.	LCR ROUTE (05:2) C:4 G:NONE M:---
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.	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.

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

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 713.
   Display shows:

```
LCR MODIFY (001)
NOF DEL DGT:00
```

2. Enter index number.(e.g., 005)
   OR
   Press Volume buttons to make selection and press Right Soft button to move cursor.

```
LCR MODIFY (005)
NOF DEL DGT:00
```

3. Enter number of digits to delete.
   OR
   Press Right Soft button to skip step and move cursor to next step.

```
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.

```
LCR MODIFY (005)
I:10288_
```

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.

```
LCR MODIFY (005)
A:_
```

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

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:

Option	Description
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 739.
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.
PRI	DID priority option. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest. When calls into station group come and group members are all busy, the system will assign a priority to the DDI number so that calls from a high priority DDI number will be placed at the front of the group queue. If this option sets NO, the longest call that placed at the group queue has the highest priority.
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.

Option	Description
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. Refer to 'MMC [104] STATION NAME' for descriptions on INPUT CHARACTERS.

CONDITIONS

If an E & M line is designated as FOLLOW DID TRANS at 'MMC 416 ASSIGN E & M/DID RINGDOWN', calls are terminated according to the station direct dial translation table of 'MMC 714 DID NUMBER AND NAME TRANSLATION'.

DEFAULT DATA

INDEX	DIGIT	MOH	PRI	1-6	CW	MC	DC	NAME
001	2***	NONE	NO	B	N	99	0	NONE
002	3***	NONE	NO	B	N	99	0	NONE
003	5***	NONE	NO	B	N	99	0	NONE
004	8***	NONE	NO	B	N	99	0	NONE

ACTION

DISPLAY

1. Press Transfer button and enter 714.
   Display shows:

```
DID DIGIT  (001)
DGT:
```

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.

```
DID DIGIT  (005)
DGT:
```

3. Enter digits to be translated(e.g., 5065) via dial keypad and press Right Soft button to move cursor.

```
DID DIGIT  (005)
DGT:5065
```

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.

```
DID DIGIT  (005)
MOH:NONE PRI:NO
```

5. Enter priority level via dial keypad.(1-9 or NO)
   OR
   Press Volume button to make selection and press Right Soft buttons to advance next step.

```
DID DIGIT  (005)
MOH:NONE PRI:NO
```

6. 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.

```
DID DIGIT  (005)
1:530    2:
```

7. 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.

```
DID DIGIT  (005)
CW:N MC:99 DC:0
```

8. 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.

```
DID DIGIT  (005)
CW:N MC:99 DC:0
```

9. 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.

```
DID DIGIT  (005)
CW:N MC:99 DC:0
```

10. Enter the name via dial keypad and press Right Soft button to return to step 1.

```
DID DIGIT  (005)
NAME:_
```

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

RELATED ITEMS

TRUNK PROGRAMMING

Refer to ‘RELATED ITEMS’ of MMC 411 ASSIGN E1 SIGNAL TYPE.

[715] PROGRAMMED STATION MESSAGE

Allows custom messages to be programmed or default messages to be changed.

CONDITIONS

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.

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

TEN PROGRAMMED MESSAGES AS DETAILED BELOW

01. IN A MEETING
02. OUT ON A CALL
03. OUT TO LUNCH
04. LEAVE A MESSAGE
05. PAGE ME
06. OUT OF TOWN
07. IN TOMORROW
08. RETURN AFTERNOON
09. ON VACATION
10. GONE HOME

ACTION	DISPLAY
1. Press Transfer button and enter 715. Display shows:	PGM.MESSAGE (01) IN A MEETING
2. Enter index number.(e.g., 11) OR Press Volume button arrow to make selection Press Right Soft button to move cursor.	PGM.MESSAGE (11) _Blank Message
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.	PGM.MESSAGE (11) SunBathing

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

RELATED ITEMS

MMC 115 SET PROGRAMMED MESSAGE

[716] UK LCR OPTIONS

This MMC provides U.K. LCR options as described below.

No	Option	Description
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)

NOTE

UK LCR OPTIONS

This MMC is available in Australia, New Zealand and U.K. only.

DEFAULT DATA

NONE

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.

DISPLAY

```
NETWORK CODE
01:     USE:NONE
```

```
NETWORK CODE
01:     USE:NONE
```

3. Enter entry number(01-16) via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
NETWORK CODE
01:_   USE:NONE
```

4. Enter network access code via dial keypad and press Right Soft button to move cursor.

```
NETWORK CODE
01:1234 USE:NONE
```

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.

```
NETWORK CODE
01:1234 USE:CCC
```

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

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 717. Display shows:	AGENT PIN (001) ID: GRP:NONE
2. Dial code index number.(e.g., 005) OR Press Volume buttons to select index number and press Right Soft button to move cursor.	AGENT PIN (005) ID:_ GRP:NONE
3. Enter ID code via dial keypad(e.g., 1234) and press Right Soft button to move cursor.	AGENT PIN (005) ID:1234 GRP:NONE
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.	AGENT PIN (005) ID:1234 GRP:505
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 718. Display shows:	MY AREA CODE AREA :
2. Enter 0 for COUNTRY or 1 for AREA. OR Press Volume buttons to make selection and press Right Soft button to move cursor.	MY AREA CODE AREA :
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.	MY AREA CODE AREA :2
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

TRUNK PROGRAMMING

Refer to 'RELATED ITEMS' of MMC 411 ASSIGN E1 SIGNAL TYPE.

[719] IDLE DISPLAY

This program allows you to enter guidance data to be displayed on large LCD phones.

CONDITIONS

NONE

INPUT CHARACTERS

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.

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 719. Display shows:	IDLE DISPLAY (01)
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 Right Soft button to move cursor.	IDLE DISPLAY (02)
3. Enter guidance data via dial keypad and press Right Soft button to save and move to step 2.	IDLE DISPLAY (02) WELCOME TO ABC
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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).

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 720.
   Display shows:

```
[201] COPY KEY
FROM:NONE
```

2. Enter the station number to copy.(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.

```
[205] COPY KEY
FROM:NONE
```

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.

```
[205] COPY KEY
FROM:203
```

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

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.

CONDITIONS

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.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 721. Display shows:	[201] SAVE KEY RESTORE
2. Enter desired station number.(e.g., 205) OR Press Volume button to make selection and press Right Soft button.	[205] SAVE KEY RESTORE
3. Press Volume button to make function selection and press Right Soft button to enter and return to step 2.	[205] SAVE KEY SAVE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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	ICONF	
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	Feature	Description
AAPLAY	AUTO ATTENDANT PLAY(Requires AA card)	MCID	MALICIOUS CALL ID
AAREC	AUTO ATTENDANT RECORD(Requires AA card)	MMPA	MEET ME PAGE ANSWER
AB	ABSENCE	MMPG	MEET ME PAGE
ABAND	ABANDONED CALL	MS	MANUAL SIGNALING
ABW	AGENT BUSY/WRAP UP	MSG	MESSAGE
ACC	ACCOUNT	MUTE	MUTE
ALARM	ALARM	MW	MESSAGE WAIT
AN/RLS	ANSWER/RELEASE	NEW	NEW CALL
BARGE	BARGE-IN	NND	NAME NUMBER DATE
BILL	BILL(Related to Hotel/Motel Features)	NOCLIP	NO CID SEND
BLOCK	OHVA BLOCK	NPG	NETWORK PAGE

Feature	Description	Feature	Description
BOOTH	BOOTH(Related to Hotel/Motel Features)	NS	NETWORK STATION
BOSS	BOSS/SECRETARY	NXT	CID NEXT
CAD	CALL ACTIVITY DISPLAY	OHVA	OFF-HOOK VOICE ANNOUNCE
CALL	CALL BUTTON	OPER	OPERATOR
CAMP	STATION CAMP-ON	PAGE	PAGE
CANMG	MESSAGE CANCEL	PAGPK	PICKUP PAGE HOLD
CBK	CALLBACK	PARK	CALL PARK ORBIT
CC	CALL COVERAGE	PAUSE	PAUSE
CHIN	CHECK IN(Related to Hotel/Motel Features)	PMSG	PROGRAMMED STATION MESSAGE
CHOUT	CHECK OUT(Related to Hotel/Motel Features)	PRB	PRIVACY RELEASE AND BRIDGE
CHOICE	CHOICE (Related to News Server)	PROG	SET PROGRAM
CID	CALLER ID	PTHR	PATH REPLACEMENT
CONF	CONFERENCE	RB	ROOM BILL (Related to Hotel/Motel Features)
CONP	CONNECTED NAME DISPLAY	REJECT	OHVA REJECT
CR	CALL RECORD (Requires SVMi card)	RETRY	AUTO REDIAL ON BUSY
CREDIT	CREDIT(Related to Hotel/Motel Features)	REVW	REVIEW
CS	CALL STATUS	RP	RING PLAN
CSNR	CALLER ID SAVE NUMBER REDIAL	RSV	ROOM STATUS VIEW (Related to Hotel/Motel Features)
DGPALM	EASY ALARM SET TO REMOTE STATION	RTO	RING PLAN TIME OVERRIDE
DICT	DICTATION	SETDND	SET DO NOT DISTURB
DIR	DIRECTORY	SETMG	SET MESSAGE W/O RING
DIVERT	EXECUTIVE CALL DIVERT TO SECRETARY	SG	STATION GROUP
DLOCK	DOOR LOCK	SLOCAT	STAFF LOCATOR (Related to Hotel/Motel Features)
DN	DIALLED NUMBER	SNR	SAVED NUMBER REDIAL
DND	DO NOT DISTURB	SP	UCD SUPERVISOR

Feature	Description	Feature	Description
DNDO	DO NOT DISTURB OVERRIDE	SPD	SPEED DIAL
DP	DIRECT PICKUP	SPKR	SPEAKER
DROP	CALL DROP	SSET	ISDN SUPPLEMENTARY SERVICE SET
DS	DSS KEY	STATE	SET EXECUTIVE STATE
DT	DTS KEY	STORE	STORE DISPLAYED NUMBER
EP	ESTABLISHED CALL PICKUP	SETMG	SET MESSAGE W/O RING
EXTMIC	EXTERNAL MIC	SYSALM	SYSTEM ALARMS
FAUTO	FORCED AUTO ANSWER	TG	TRUNK GROUP
FLASH	FLASH	TIMER	TIMER
FWRD	CALL FORWARD	TP	TERMINAL PORTABILITY
GCONF	GROUP CONFERENCE	TRARPT	TRAFFIC REPORT
GPIK	GROUP PICKUP	TRSF	TRANSFER
HDSET	HEADSET MODE	UA	UNIVERSAL ANSWER
HLDPK	HOLD PICKUP	VDIAL	VOICE DIAL(Requires VDIAL card)
HOLD	HOLD	VG	VMS GROUP MESSAGE (Requires SVM-800)
HOTEL	HOTEL(Related to Hotel/Motel Features)	VM	VOICE MAIL MEMO (Requires SVMi card)
ICONF	ISDN 3 PTY CONFERENCE	VMADM	VOICE MAIL ADMINISTRATION (Requires SVMi card)
IDISC	ISDN 3 PTY DISCONNECTION	VMAME	ANSWER MACHINE EMULATION(Requires SVMi card)
IG	IN/OUT GROUP	VMMSG	VOICE MAIL MESSAGE KEY (Requires SVMi card)
INFDSP	INFORMATION DISPLAY (Requires News/Call Plus)	VMSCMT	VMS COMMENT(Requires SVM)
INQIRE	INQUIRE	VMSMSG	VMS MESSAGE(Requires SVM)
IRET	ISDN 3 PTY RETRIEVE	VMSOUT	VMS OUT CALL(Requires SVM)
ISPY	CID SPY	VMSREC	VMS RECORD(Requires SVM)
LANREQ	LAN REQUEST	VMSVAC	VMS VACANT(Requires SVM)
LCR	LEAST COST ROUTING	VREC	VOICE RECORD(Requires VDIAL card)
LISTN	GROUP LISTENING	VT	VOICEMAIL TRANSFER
LNR	LAST NUMBER REDIAL	WAKEUP	WAKE UP(Related to Hotel/Motel Features)
LOG	CALL LOGGING	XCHIN	EXPRESS CHECK IN(Related to Hotel/Motel Features)

CONDITIONS

NONE

DEFAULT DATA

<24 Button Digital Phone>

CALL1	CALL2	DT701	DT702	DT703	DT704
DT705	DT706	DT7017	DT708	DT709	DT7010
DT711	DT712	DT713	DT714	DT715	DT716
CONF	SPD	NONE	PAGE	CBK	GPIK01

< 48 Button AOM >

DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS
DS	DS	DS	DS

ACTION	DISPLAY
1. Press Transfer button and enter 722. Display shows:	[201] KEY (MAST) 01:CALL1→
2. Enter selected station number.(e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] KEY (MAST) 01:CALL1→
3. Enter selected key number.(e.g., 18) OR Press Volume button to select key number and press Right Soft button to move cursor.	[201] KEY (MAST) 18:NONE→_
4. Using above chart, press dial pad key 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 to return to step 2.	[201] KEY PROG. 18:NONE→GPIK_
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.	[201] KEY PROG. 18:NONE→GPIK03
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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

No	Type of Phone	Description
00	24 BTN SETS	Phone with 24 program buttons
01	12 BTN SETS	Phone with 12 program buttons
02	US 7B SETS	US phone with 7 program buttons
03	EU 6B SETS	EU phone with 6 program buttons
05	40-64B AOMS	AOM with 40-64 program buttons
06	20 BTN SETS	Phone with 20 program buttons
07	28 BTN SETS	Phone with 28 program buttons
08	18 BTN SETS	Phone with 18 program buttons
09	8 BTN SETS	Phone with 8 program buttons
10	99 BTN SETS	Phone with 99 program buttons
11	38 BTN SETS	Phone with 38 program buttons
12	21 BTN SETS	Phone with 21 program buttons
13	14 BTN SETS	Phone with 14 program buttons
14	DS-07S SETS	DS phone with 7 program buttons

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AAPLAY	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GCONF	HDSET	ICONF	
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.

CONDITIONS

NONE

DEFAULT DATA

SEE DEFAULT DATA ON MMC 722

ACTION	DISPLAY
1. Press Transfer button and enter 723. Display shows:	TYPE:24 BTN SETS 01:CALL1→
2. Enter type of set via dial keypad.(e.g.,1) OR Press Volume button to make selection and press Right Soft button.	TYPE:12 BTN SETS 01:CALL1→
3. Enter key number.(e.g., 03) OR Press Volume button to make selection and press Right Soft button.	TYPE:12 BTN SETS 03:NONE→
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.	TYPE:12 BTN SETS 03:NONE→GPIK
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.	TYPE:12 BTN SETS 03:GPIK→GPIK03
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Type of Dial No	Description
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	AA/VD 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

No	Type of Dial No	Description
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(DESKTOP PHONE), 3301-3399(MOBILE PHONE)
14	VOIP NET DIAL NO.	This is where Samsung proprietary switch-to-switch VoIP networking trunk signaling port directory numbers are changed or assigned. Default: 8301-8380
15	H323 TRK DIAL NO.	This is where VoIP H.323 trunk signaling port directory numbers are changed or assigned. Default: 8401-8480
16	SIP TRK DIAL NO.	This is where VoIP SIP trunk signaling 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
ALLCLR	NONE	ALL CLEAR
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
MYGRPK	NONE	MY PICKUP GROUP CALL PICKUP
NEW	NONE	NEW CALL
NOCLIP	NONE	NO CID SEND
NPAGE	NONE	NETWORK PAGE
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
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

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
FEATURE CODES ARE DEPEND ON COUNTRY

ACTION	DISPLAY
1. Press Transfer button and enter 723. Display shows:	STN DIAL NUM:C1 S2-P01:201→
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.	FEAT DIAL NUMBER ABAND :64→_
3. Dial first letter of feature name.(e. g., 7) AND Press Volume button to make selection then press Right Soft button to advance cursor.	FEAT NUMBER PLAN PAGE :55→ 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.	

RELATED ITEMS

ALL MMC

[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:

No	Option	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.

No	Option	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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to ‘INPUT CHARACTERS’ in ‘MMC [104] STATION NAME’.

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

ACTION	DISPLAY
1. Press Transfer button and enter 725. Display shows:	PAGE HEADER PRINT: YES
2. Dial the option number.(e.g., 01) OR Use the Volume buttons to scroll through the options and press Right Soft button to select an option.	LINE PER PAGE 60 LINE/PAGE
3. Enter the option data. OR	LINE PER PAGE 50 LINE/PAGE
Use the Volume buttons to press Right Soft button to save the data and return to step 2.	LINE PER PAGE 50 LINE/PAGE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

Field	Description	Default
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.	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.	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.	No

<table>
<tr><th>Field</th><th colspan="4">Description</th><th>Default</th></tr>
<tr><td>TRUNK FOR DN2</td><td colspan="4">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</td><td>No</td></tr>
<tr><td>SEPARATOR</td><td colspan="4">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.</td><td>No</td></tr>
<tr><td>DISCONNECT SIGNAL</td><td colspan="4">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.</td><td>C</td></tr>
<tr><td>CALLER ID NUMBER</td><td colspan="4">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.</td><td>No</td></tr>
<tr><td>CALL TYPE ID</td><td colspan="4">This is the DTMF digit that is sent first in the in band digit string and can identify any of the following call types</td><td></td></tr>
<tr><td></td><td>No</td><td>Call Type</td><td colspan="2">Description</td><td>Default</td></tr>
<tr><td></td><td>0</td><td>DIRECT CALL</td><td colspan="2">A call originating directly from another station in the system.</td><td>1</td></tr>
<tr><td></td><td>1</td><td>ALL FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set.</td><td>2</td></tr>
<tr><td></td><td>2</td><td>BSY FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set.</td><td>3</td></tr>
<tr><td></td><td>3</td><td>NOA FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set.</td><td>4</td></tr>
<tr><td></td><td>4</td><td>RECALL</td><td colspan="2">A call is recalling the VM/AA port after being transferred and not answered.</td><td>5</td></tr>
<tr><td></td><td>5</td><td>DIR TRK CALL</td><td colspan="2">A Trunk Line call has gone directly to VM/AA
(e.g., trunk 717 DIL to VM/AA).</td><td>6</td></tr>
<tr><td></td><td>6</td><td>OVERFLOW</td><td colspan="2">A call has OVERFLOWED to the VM/AA port from a station group.</td><td>7</td></tr>
<tr><td></td><td>7</td><td>DID CALL</td><td colspan="2">A DID call has called the VM/AA port.</td><td>8</td></tr>
<tr><td></td><td>8</td><td>MESSAGE CALL</td><td colspan="2">A message button or message reply feature code has been used to call the VM/AA port.</td><td>9</td></tr>
</table>

<table>
<tr><th>Field</th><th colspan="3">Description</th><th>Default</th></tr>
<tr><td>PROGRESS TONE ID</td><td colspan="3">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.</td><td></td></tr>
<tr><td></td><td>No</td><td>Call Type</td><td>Description</td><td>Default</td></tr>
<tr><td></td><td>0</td><td>DIAL TONE</td><td>Dial Tone</td><td>NO</td></tr>
<tr><td></td><td>1</td><td>BUSY TONE</td><td>Busy Tone</td><td>NO</td></tr>
<tr><td></td><td>2</td><td>RINGBAK TONE</td><td>Ringback Tone</td><td>NO</td></tr>
<tr><td></td><td>3</td><td>DND NO MORE</td><td>DND or No More Call Button Error</td><td>NO</td></tr>
<tr><td></td><td>4</td><td>HDSET ANSWER</td><td>Off Hook Answer</td><td>NO</td></tr>
<tr><td></td><td>5</td><td>SPKER ANSWER</td><td>On Hook Answer</td><td>NO</td></tr>
</table>

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)

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS ARE DEPEND ON COUNTRY

PROGRAM BUTTONS

A	Used to input alpha character ‘A’
B	Used to insert alpha character ‘B’
C	Used to insert alpha character ‘C’

ACTION	DISPLAY
1. Press Transfer button and enter 726. Display shows:	EXT FOR DN1 YES
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.	TRK FOR DN2 NO
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.	TRK FOR DN2 YES
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 727. Display shows:	MCP VERSION '03.07.01 L2.03
2. Press Volume button to select other Card versions.	
DLI CARD Cabinet and Slot shown:	C1-S2:8 DLI NO VERSION DATA
TEPRI CARD PRI MODE Cabinet and Slot shown:	C2-S1:TEPRI/EP '01.08.14 V1.02
AUTO ATTENDANT CARD Cabinet and Slot shown:	C1-S8:AA '00.09.19 1.00
3. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 728. Display shows first entry:	TRANSLATIO(0001) DGT:
2. Dial entry number.(e.g., 0005) OR Use Volume button to scroll through entries and press Right Soft button to select entry.	TRANSLATIO(0005) DGT:_
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.	TRANSLATIO(0005) DGT:3054264100
4. Enter associated name as described above and press Right Soft button to return to step 2.	TRANSLATIO(0005) SAMSUNG TELECOM
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 312	ALLOW CID
MMC 608	ASSIGN REVIEW BLOCKS

[730] AA RECORD GAIN

This program is used for adjusting the gain when recording(REC) or playing(PL) on a built-in auto attendant card.
The adjustments can be made as follows:

No	Adjustment	Description
0	0. +0.0	No adjustment
1	1. +1.9	Up 1.9 dB
2	2. -6.0	Down 6.0 dB
3	3. -2.5	Down 2.5 dB

CONDITIONS

NONE

DEFAULT DATA

0 dB

ACTION

DISPLAY

1. Press Transfer button and enter 730.
   Display shows:

```
[3951]AA GAIN
REC:+0.0 PL:+0.0
```

2. Dial AA number.(e.g., 3959)
   OR
   Press Volume button to make selection and press Right Soft button.

```
[3959]AA GAIN
REC:+0.0 PL:+0.0
```

3. Press Volume button to select record gain and press Right Soft button.

```
[3959]AA GAIN
REC:+1.9 PL:+0.0
```

4. Press Volume button to select play gain and press Right Soft button.

```
[3959]AA GAIN
REC:+1.9 PL:+0.0
```

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

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.

CONDITIONS

- This will erase the whole message that has been programmed previously on the selected card.
- If the system or card is restarted during a recording or right after a recording while the memory was being rearranged(displays BUSY when played), the memory must be erased before recording again.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 731. Display shows:	[3951]RAM CLEAR CLR RECORDED?NO
2. Dial AA number.(e.g., 3951) OR Press Volume button to make selection and press Right Soft button.	[3951]RAM CLEAR CLR RECORDED?NO
3. Dial 0(No) or 1(Yes). OR Press Volume button to make selection and press Right Soft button.	[3951]RAM CLEAR CLR RECORDED?YES
4. Dial 0(No) or 1(Yes) to confirm selection. OR Press Volume button to make selection and press Right Soft button.	[3951]RAM CLEAR ARE YOU SURE?NO
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.
S = (Special Key E) System Speed Dial Number. Used to assign a System Speed Dial number as a destination.

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.


NOTE

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.

CONDITIONS

NONE

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

PROGRAM BUTTONS

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.	

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:

Message	Description
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.

Message	Description
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 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.
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 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.
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 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.
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 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.
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 customized 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 customized 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. .

Message	Description
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.
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.
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.
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.
NOTE ABOUT TRUNK SIGNALING	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.

CONDITIONS

NONE

DEFAULT DATA

RETRY COUNT: 3
BUSY DESTINATION: 500
NO ANSWER DESTINATION: 500
NO ACTION DESTINATION: 500
INVALID DESTINATION: 500

PROGRAM BUTTONS

A Used to enter P on destination field

ACTION	DISPLAY
1. Press Transfer button and enter 733. Display shows:	AA PLAN PROG(01) PLAN MSG1 :49
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.	AA PLAN PROG(05) PLAN MSG1 :49
3. Enter option number via dial keypad. OR Press Volume button to select a option and press Right Soft button to move cursor.	AA PLAN PROG(05) PLAN MSG3 :49
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.	AA PLAN PROG(05) PLAN MSG3 :02
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

Not applicable when playing using [AAPLAY] button.

DEFAULT DATA

EACH MESSAGE IS EQUAL TO THE CORRESPONDING RECORDING

ACTION	DISPLAY
1. Press Transfer button and enter 734. Display shows:	AA MSG MATCH(01) 01
2. Enter message number via dial keypad. OR Press Volume button to select a message and press Right Soft button to move cursor.	AA MSG MATCH(05) 05
3. Enter one or more recording numbers and press Right Soft button to return step 2.	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.	

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.


NOTE

Programming what port is 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

CONDITIONS

NONE

DEFAULT DATA

ALL PORTS AND GROUPS: PLAN 01

ACTION

DISPLAY

1. Press Transfer button and enter 735.
   Display shows first AA group:(e.g., 510)

   ```
   [518] AA PLAN
   PLAN NO:01
   ```

2. 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.

   ```
   [510] AA PLAN
   PLAN NO:01
   ```

3. Enter AA plan number.

   Press Volume button to select a AA plan number and press Right Soft button to save and return step 2.

   ```
   [510]AA PLAN
   PLAN NO:04
   ```

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

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.

CONDITIONS

This MMC must be programmed before AA/MOH data can be assigned in MMCs 309, 408 and 607.

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 736. Display shows:	[3958]SET AAMOH MOH MSG :NOT USE
2. Enter AA port number. OR Press Volume button to select a AA port and press Right Soft button to move cursor.	[3958]SET AAMOH MOH MSG :NOT USE
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.	[3958]SET AAMOH MOH MSG :33
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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 your 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.

The DECT System Code/Register handsets Change

Only the system administrator and/or installer should be allowed access to change the DECT System Code and register handsets.

CONDITIONS

- 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.

DEFAULT DATA

AUTH CODE: FFFF
SYSTEM ID: 000

ACTION	DISPLAY
1. Press Transfer button and enter 737. Display shows:	DECT SYSTEM CODE AUTH CODE:FFFF
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.	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.

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:

Mode	Description
FORCED	When this mode is programmed, the system clears the registered information by force.
NORMAL	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)

CONDITIONS

NONE

DEFAULT DATA

FORCED M'ODE

ACTION	DISPLAY
1. Press Transfer button and enter 738. Display shows:	[8801]DECT CLEAR MODE:FORCED
2. Enter DECT terminal number via dial keypad. OR Press Volume button to make selection and press Right Soft button.	[8801]DECT CLEAR MODE:FORCED
3. Enter 0 for FORCED mode or 1 for NORMAL Mode. OR Press Volume button to make selection and press Right Soft button.	[8801]DECT CLEAR MODE:NORMAL
4. Enter 1 for YES or 0 for NO. OR Press Volume button to make selection and press Right Soft button.	[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.

```
[8801]DECT CLEAR
CLR RECORDED?NO
```

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

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.


NOTE

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 740. Display shows.	[201] PRIMARY SECONDARY:NONE
2. Enter the primary station number via dial keypad.(e.g., 201) OR Press Volume button to select and press Right Soft button.	[201] PRIMARY SECONDARY:NONE
3. Enter the secondary station number via dial keypad.(e.g., 205) OR Press Volume button to select and press Right Soft button.	[201] PRIMARY SECONDARY:205
4. Press Transfer button and enter button to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 741. Display shows:	BSI SLOT:1 DBS:1 RESTART? NO
2. Select the BSI slot via dial button pad. OR Press Volume button to select BSI slot and press Right Soft button.	BSI SLOT:1 DBS:1 RESTART? NO
3. Select the DBS number via dial button pad. OR Press Volume button to select DBS number and Right Soft button.	BSI SLOT:1 DBS:3 RESTART? NO
If you want to restart BSI card, press ANS/RLS button and press Right Soft button.	BSI SLOT:1 DBS:A RESTART? NO
4. Enter 1 for YES or 0 for NO. OR Press Volume button to make selection and press Right Soft button.	BSI SLOT:1 DBS:3 RESTART? YES
5. Enter 1 for YES or 0 for NO. OR Press Volume button to make selection and press Right Soft button.	BSI SLOT:1 DBS:3 ARE YOU SURE?NO
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

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
```

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).

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 743.
   Display shows:

   DISPLAY:
   ```
   DBS 12345678 S:1
   STS:00000000
   ```

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.

   DISPLAY:
   ```
   DBS 12345678 S:2
   STS:00000000
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

DISABLE

ACTION	DISPLAY
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.	

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

CONDITIONS

NONE

DEFAULT DATA

1111111111

ACTION

1. 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.

2. Dial 1 or 0 for each carrier.

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

DISPLAY

```
CARS:0123456789
SELS: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∗∗.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 746. Display shows:	COST DP (001) DIGIT:
2. Dial CALL COST entry.(e.g., 005) OR Press Volume button to select entry and press Right Soft button to move cursor.	COST DP (005) DIGIT:
3. Enter digit string via the dial keypad and press Right Soft button.	COST DP (005) DIGIT:1305
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.	COST DP (005) CALL RATE: NONE
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Type	Description
0	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).
1	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).
2	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).
3	SECOND INTERVAL COST	This is the dollar cost for each billing increment. The range is from 0 to 999, for example 100($1.00).
4	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).

CONDITIONS

NONE

DEFAULT DATA

ALL COST RATES NO DATA

ACTION

DISPLAY

1. Press Transfer button and enter 747.
   Display shows:

```
COST RATE (1)
1ST DUR :000 SEC
```

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.

```
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.

```
COST RATE (3)
1ST COST:000
```

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.

```
COST RATE (3)
1ST COST:125
```

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

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:

<table>
<tr><th>No</th><th>Option</th><th>Description</th></tr>
<tr><td>0</td><td>DOWNLOAD</td><td>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.</td></tr>
<tr><td>1</td><td>CARD RESTART</td><td>If this option is set to YES the Built-In Voice Mail card will immediately restart according to the download OPTION specified above.</td></tr>
<tr><td>2</td><td>VIRTUAL NUMBER DOWNLOAD</td><td>This option is determine which type virtual port include during mailbox and system numbering plan downloading procedure.
The virtual port type are followed:
<table>
<tr><th>No</th><th>Type</th><th>Description</th></tr>
<tr><td>0</td><td>VIRTUAL EXT</td><td>Virtual extension number</td></tr>
<tr><td>1</td><td>DESKTOP ITP</td><td>DESKTOP IP-based phone number</td></tr>
<tr><td>2</td><td>DECT PHONE</td><td>DECT terminal number</td></tr>
<tr><td>3</td><td>MOBILE ITP</td><td>Wireless IP-based mobile phone number</td></tr>
<tr><td>4</td><td>BRI STATION</td><td>ISDN terminal number</td></tr>
<tr><td>5</td><td>VOIP NET TRK</td><td>VoIP networking trunk number</td></tr>
<tr><td>6</td><td>VOIP 323 TRK</td><td>VoIP H.323 trunk number</td></tr>
<tr><td>7</td><td>VOIP SIP TRK</td><td>VoIP SIP trunk number</td></tr>
<tr><td>8</td><td>REMOTE STN</td><td>Remote station number via networking</td></tr>
</table></td></tr>
</table>


NOTE

Remove Built-In Voice Mail Card

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.

CONDITIONS

NONE

DEFAULT DATA

ALL OPTIONS ARE NO

ACTION	DISPLAY
1. Press Transfer button and enter 750. Display shows:	VM CARD RESTART DOWNLOAD ? NO
2. Dial 0,1 or 2 to set option and advance. OR Press Volume button to make selection and press Right Soft button.	VM CARD RESTART CARD RESTART?NO
3. Dial 0(No) or 1(Yes) to confirm selection. OR Press Volume button to make selection and press Right Soft button.	VM CARD RESTART ARE YOU SURE?NO
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

Mailboxes that are needed for people that do not have an extension must be added through Voice Mail programming.

DEFAULT DATA

ALL STATIONS: YES
ALL GROUPS: NO

ACTION	DISPLAY
1. Press Transfer button and enter 751. Display shows:	ASSIGN MAIL BOX [201] YES
2. Dial station number. OR Press Volume button to scroll the number and press Right Soft button to move cursor.	ASSIGN MAIL BOX [202] YES
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 stop 2.	ASSIGN MAIL BOX [202] NO
4. Press Transfer button and enter button to exit. OR Press Speaker button to advance next MMC.	

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.

When using this feature

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.

CONDITIONS

When a Voice Mail port is assigned here, it is automatically removed from the Voice Mail group defined in MMC 601.

DEFAULT DATA

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 752.
   Display shows:

```
AUTO RECORD
STN:201  MB:NONE
```

2. Dial station number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
AUTO RECORD
STN:201  MB:NONE
```

3. Dial mailbox number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
AUTO RECORD
STN:201  MB:201
```

4. Dial VM number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
AUTO RECORD
PORT:209  CALL:I
```

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.

```
AUTO RECORD
PORT:209  CALL:B
```

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

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.

CONDITIONS

NONE

DEFAULT DATA

500

ACTION

1. Press Transfer button and enter 753.
   Display shows:

   DISPLAY:
   ```
   WARNING DEST.
   DEST:500
   ```

2. Dial station number or group number.
   OR
   Press Volume button to scroll the number.

   DISPLAY:
   ```
   WARNING DEST.
   DEST:501
   ```

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

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.

CONDITIONS

This operation should be performed before removing the voice mail card mail card from the system.

DEFAULT DATA

PROC

ACTION

DISPLAY

1. Press Transfer button and enter 754.
   Display shows:

```
VM HALT
STATUS:PROC
```

2. Enter 1 to halt or 0 to process.
   OR
   Press Volume button to scroll the selections.

```
VM HALT
STATUS:PROC
```

3. When you select 1 to halt, display shows:
   Press 1 to confirm.

```
VM HALT
ARE YOU SURE?YES
```

4. Display shows:

```
VM HALT
STATUS:HALT
```

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

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.

CONDITIONS

NONE

DEFAULT DATA

80 %

ACTION

1. Press Transfer button and enter 755.
   Display shows:

   DISPLAY:
   ```
   VM ALARM
   THRESHOLD:80
   ```

2. Enter new threshold level.

   DISPLAY:
   ```
   VM ALARM
   THRESHOLD:75
   ```

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

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.

When the first Built-In Voice Mail port is used for VMMOH

If the first Built-In Voice Mail port is used for VMMOH, 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 VMMOH ports.

CONDITIONS

NONE

DEFAULT DATA

NOT USE

ACTION

1. Press Transfer button and enter 756.
   Display shows:

   DISPLAY
   ```
   SET VMMOH
   209 : NOT USE
   ```

2. Dial VM number.
   OR
   Press Volume button to make a selection and press Right Soft button to move cursor.

   DISPLAY
   ```
   SET VMMOH
   215 : NOT USE
   ```

3. Enter VM message number.
   OR
   Press Volume button to make a selection and press Right Soft button to move cursor.

```
SET VMMOH
215 : 25
```

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

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 of outbound notification) is used.

CONDITIONS

NONE

DEFAULT DATA

IN/OUT

ACTION	DISPLAY
1. Press Transfer button and enter 757. Display shows:	VM IN/OUT 209 : IN/OUT
2. Dial VM number. OR Press Volume button to make a selection and press Right Soft button to move cursor.	VM IN/OUT 215 : IN/OUT
3. Enter In or Out via dial keypad. OR Press Volume button to make a selection and press Right Soft button to move cursor.	VM IN/OUT 215 : IN
4. Press Transfer button and enter button to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

ALL RING PLANS: DAY

ACTION / DISPLAY

1. Press Transfer button and enter 758.
   Display shows:

   ```
   VM DAY/NIGHT
   RING 1 : DAY
   ```

2. Enter ring plan number.
   OR
   Press Volume button to make a selection and press Right Soft button to move cursor.

   ```
   VM DAY/NIGHT
   RING 3 : DAY
   ```

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.

   ```
   VM DAY/NIGHT
   RING 3 : DAY
   ```

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

RELATED ITEMS

MMC 507 RING PLAN TIME

[759] CLI RINGING

Assigns a specific CID number received from the central office to a specific ring plan destination. And this programming allows the technician to reject the specific CID number and assign its own priority. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest.

It also allows to select the ring tone heard at a phone when called by a specific CID number. 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(NO) option for the phones. There are 5 cadences and a Follow Station option(NO) for SLT's

The CID Ringing table consists of 500 entries.

Option	Description	
CLI	CID number to be received from the central office. Up to 16 digits may be entered.	
REJ	CID call reject option. When this sets YES, if a call comes that matched CID number and CLI field then the system will be reject call.	
PRI	CID priority option. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest. When calls into station group come and group members are all busy, the system will assign a priority to the CID number so that calls from a high priority CID number will be placed at the front of the group queue. If this option sets NO, the longest call that placed at the group queue has the highest priority.	
R1: XXX, R2: XXX, R3: XXX, R4: XXX, R5: XXX, R6: XXX	Ring plan and destination during each ring plan. The destination can be a station, station group.	
TONE	Ring Tone options for a specific CID Number.(NO, 1~8)	
	No	**Calls will ring with the phone users choice of ring frequency.**
	1~8	Calls from the programmed CID number will ring phones with this ring frequency.
CAD	Ring Cadence options for a specific CID Number at SLT's(NO, 1~5)	
	No	**Calls will ring with the normal SLT ring cadences.**
	1	Calls from the programmed CID number will ring SLT's with the intercom ring cadence.
	2	Calls from the programmed CID number will ring SLT's with the CO ring cadence.
	3	Calls from the programmed CID number will ring SLT's with the DOOR ring cadence.
	4	Calls from the programmed CID number will ring SLT's with the ALARM ring cadence.
	5	Calls from the programmed CID number will ring SLT's with the CALLBACK ring cadence.

CONDITIONS

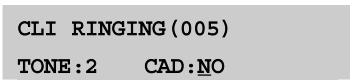
NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 759. Display shows first entry:	CLI RINGING(001) CLI:
2. Dial entry number.(e.g., 005) OR Use Volume button to scroll through entries and press Right Soft button to select entry.	CLI RINGING(005) CLI:_
3. Enter CID number and press Right Soft button to advance next entry. OR Enter CID number and press Left Soft button to return to step 2.	CLI RINGING(005) CLI:1234567
4. Enter reject 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.	CLI RINGING(005) REJ:NO PRI:NO
5. Enter priority level via dial keypad. (1-9 or NO) OR Press Volume button to make selection and press Right Soft buttons to advance next step.	**CLI RINGING(005)** **REJ:NO PRI:NO**
6. Enter station or group number for each Ring plan destination via dial keypad.(e.g., 501) OR Press Volume button to make selection and press Right Soft button to advance next step.	**CLI RINGING(005)** **R1:501 R2:NONE**
7. Dial 1-8(or NO)to select ring tone.(e.g., 2) OR Press Volume button to select ring tone and press Right Soft button to move cursor.	**CLI RINGING(005)** **TONE:2 CAD:NO**

8. Dial 1-5(or NO)to select ring cadence.
   OR
   Press Volume button to select ring cadence and press Right Soft button to move cursor.



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

RELATED ITEMS

MMC 312 ALLOW CID

[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

No	Code	Description
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

CONDITIONS

This function can be used only when the hotel function is enabled at ‘MMC 813 HOTEL OPERATION’.

INPUT CHARACTERS

Refer to ‘INPUT CHARACTERS’ in ‘MMC [104] STATION NAME’.

DEFAULT DATA

NO ENTRIES

ACTION	DISPLAY
1. Press Transfer button and enter 760. Display shows:	ITEM CODE (00) NAME:RM Deposit
2. Enter valid code number(e.g., 02) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	ITEM CODE (02) NAME:
3. Enter in item name(e.g., ROOM COST) via key pad using the method described above.	ITEM CODE (02) NAME:CLASS A
4. Press Right Soft button to move cursor to tax entry step.	ITEM CODE (02) TAXES:00000000
5. Enter in the tax rates in MMC 761 that apply to this item and press Right Soft button to return to step 2.	ITEM CODE (02) TAXES:11000000
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

Option	Description
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.

CONDITIONS

This function can be used only when the hotel function is enabled at 'MMC 813 HOTEL OPERATION'.

INPUT CHARACTERS

Refer to 'INPUT CHARACTERS' in 'MMC [104] STATION NAME'.

DEFAULT DATA

All rates are %

ACTION

1. Press Transfer button and enter 761.
   Display shows:

   DISPLAY:
   ```
   TAX RATE    (1)
   TYPE:% VAL:00.00
   ```

2. 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.

   DISPLAY:
   ```
   TAX RATE    (2)
   TYPE:% VAL:00.00
   ```

3. 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.

   DISPLAY:
   ```
   TAX RATE    (2)
   TYPE:C VAL:00.00
   ```

4. Enter in the tax rate or value via dial button pad.
   OR
   Press Volume button to make selection.
   If valid entry, system advances cursor.

```
TAX RATE    (2)
TYPE:C VAL:01.25
```

5. Enter name using above table and press
   Right Soft button to return to step 2.

```
TAX RATE    (2)
NAME:MIA BED
```

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

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.

CONDITIONS

This function can be used only when the hotel function is enabled at 'MMC 813 HOTEL OPERATION'.

DEFAULT DATA

All rates are 100 %

ACTION

1. Press Transfer button and enter 762.
   Display shows:

   DISPLAY:
   ```
   RM COST RAT(SUN)
   100% :
   ```

2. Dial day number.(0-6, e.g., 2)
   OR
   Press Volume button to select day and press Right Soft button to move cursor.

   DISPLAY:
   ```
   RM COST RAT(TUE)
   100% :
   ```

3. Enter room cost rate.(001-999, e.g., 090)

   DISPLAY:
   ```
   RM COST RAT(TUE)
   100% :090
   ```

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

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.

CONDITIONS

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.

DEFAULT DATA

DISABLE

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

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.

CONDITIONS

The passcode is four characters long. Each character can be digits 0-9. The current or old passcode is required for this MMC.

DEFAULT DATA

DEFAULT PASSCODE: 4321

ACTION	DISPLAY
1. Press Transfer button and enter 801.	TECH. PASSCODE NEW CODE:_
2. Enter new passcode.	TECH. PASSCODE NEW CODE:****
3. Enter new passcode again.	TECH. PASSCODE VERIFY :****
4. If passcode is correct, press Right Soft key to continue and enter desired MMC.	TECH. PASSCODE VERIFY :SUCCESS
If passcode is incorrect.	TECH. PASSCODE VERIFY :FAILURE
System returns to step 2.	TECH. PASSCODE NEW CODE:****
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 8`00 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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 802. Display shows:	CUST.USE MMC :1 100:STN LOCK:YES
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.	MMC TENANT:1 100:STN LOCK:YES
3. Enter desired MMC number via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	MMC TENANT:1 102:CALL FWD:YES
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.	MMC TENANT:1 102:CALL FWD:NO
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

ALL ASSIGNMENTS TENANT 1

ACTION	DISPLAY
1. Press Transfer button and enter 803. Display shows:	TENANT GROUP C:1 S:1 -01 T:1
2. Enter cabinet number if no change press Right Soft button to move cursor.	TENANT GROUP C:1 S:1 -01 T:1
3. Enter slot number if no change press Right Soft button to move cursor.	TENANT GROUP C:1 S:2 -01 T:1
4. Enter port number if no change press Right Soft button to move cursor.	TENANT GROUP C:1 S:2 -03 T:1
5. Enter tenant number if no change press Right Soft button to return to step 2.	TENANT GROUP C:1 S:2 -03 T:2
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Option	Description		
0	SERVICE (Service Type)	**No**	**Type**	**Description**
		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		

No	Option	Description
2	CHAR LENG (Character Length)	7: 7 bits 8: 8 bits
3	PARITY (Parity Bit)	0: NONE 1: ODD 2: EVEN
4	RETRY COUNT (4 Retry count)	01-99
5	STOP BIT	1: 1 BIT 2: 2 BIT
6	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

CONDITIONS

NONE

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

ACTION	DISPLAY
1. Press Transfer button and enter 804. Display shows:	SYS I/O PORT (1) SERVICE:PC-MMC
2. Enter desired port via dial keypad.(e.g., 2) OR Press Volume button to make selection and press Right Soft button to move cursor.	SYS I/O PORT (2) SERVICE:SMDR
3. Enter desired parameter via dial keypad.(e.g., 1) OR Press Volume button to make selection and press Right Soft button to move cursor.	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.	SYS I/O PORT (2) BAUD:19200BPS
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 725	SMDR OPTIONS
MMC 860	UCD VIEW

[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).

No	Option	Description
0	TX LEVEL CONTROL	Adjusts the transmitting sensitivity(Max.: 9) Default values are followed: INDEX: 0 1 2 3 4 5 6 7 LEVEL: 0 1 2 4 3 5 6 7
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 421.) 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 WLAN WIP port

When changing the MMC [805]

'MMC [805] LEVEL AND GAIN' should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

CONDITIONS

NONE

DEFAULT DATA

RX / TX	DGP	SLT	ATRK	DTRK	DECT	VOIP	SVMi	WLAN
DGP→	0.0	0.0	0.0	0.0	-6.0	0.0	-6.0	+1.9
SLT→	0.0	-2.5	0.0	-2.5	-6.0	0.0	-6.0	+1.9
ATRK→	0.0	0.0	+1.9	-6.0	-6.0	0.0	-6.0	+1.9
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
WLAN→	-6.0	-2.5	-6.0	0.0	0.0	0.0	0.0	+1.9

ACTION	DISPLAY
1. Press Transfer button and enter 805. Display shows:	TX LEVEL CONTROL LEVEL 0→0
2. Press Volume button to make selection.(0-3) After selection is made, press Right Soft button to move cursor.	TX LEVEL CONTROL LEVEL 1→1
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.	TX LEVEL CONTROL LEVEL 1→1
b. Enter desired volume data via dial pad. OR	TX LEVEL CONTROL LEVEL 1→3
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.	MISC TSW GAIN BGM/MOH :0

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.

```
TSW GAIN CONTROL
SLT→DGP :+0.0
```

b. Select the RX TSW connect type via dial button pad.
OR
Press Volume button to go to the next RX TSW connect type and press Right Soft button.

```
TSW GAIN CONTROL
SLT→ATRK:+0.0
```

c. Enter desired TSW gain control data via dial pad.
OR
Press Volume button to scroll data and press Right Soft button.

```
TSW GAIN CONTROL
SLT→ATRK:+1.9
```

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

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 48 V power is supplied.


NOTE

When a card is removed and a different type card is inserted

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 806. Display shows:	C:1 S:1 P:1[16] 8 DLI→8 DLI
2. Press Volume button to make selection (e.g., Cabinet 1) and press Right Soft button.	C:1 S:1 P:1[16] 8 DLI→8 DLI
3. 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.	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(1:1 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

RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

[807] PHONE VOLUME CONTROL

Allows the system administrator to set the level of phone volume.

Level of Phone Volume		FX	
No	Type	No	Type
0	KEY TONE VOL	0	LINE VOLUME SPEAKERER VOLUME
1	SIDETONE VOL	1	NOR.LP ATTEN
2	HANDSET TX	2	MIC LP ATTEN
3	MIC TX LEVEL	3	ACOU DECOUPL
4	NOISE GUARD	4	ELEC DECOUPL
5	NOISE THRES	5	T/R RATIO
6	ALC THRES	6	R/T RATIO
7	TX/RX THRES.		
8	TX/RX COMP		
9	MIN RX VOL(28D, 12L, 21D, ITP)		

When changing the MMC [807]

'MMC [807] PHONE VOLUME CONTROL' should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

CONDITIONS

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 807.
   Display shows:

```
VOL.CONTROL:US24
KEY TONE VOL:1
```

2. Enter phone type via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
VOL.CONTROL:EU24
KEY TONE VOL:1
```

3. Enter volume item via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
VOL.CONTROL:EU24
SIDETONE VOL:1
```

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.

```
VOL.CONTROL:EU24
HANDSET TX  :6
```

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

DEFAULT DATA

DEPEND ON PHONE TYPE

21D		FX	
Type	**Default**	**Type**	**Default**
KEY TONE VOL	1	LINE VOLUME SPEAKERER VOLUME	3 14
SIDETONE VOL	1	NOR.LP ATTEN	4
HANDSET TX	4	MIC LP ATTEN	5
MIC TX LEVEL	3	ACOU DECOUPL	8
NOISE GUARD	8	ELEC DECOUPL	8
NOISE THRES	1	T/R RATIO	2
ALC THRES	7	R/T RATIO	2
TX/RX THRES.	3		
TX/RX COMP	5		
MIN RX VOL	6		

RELATED ITEMS

NONE

[809] SYSTEM MMC LANGUAGE

Allows system programmer to assign a LCD display based on system programming language.

0. ENGLISH
1. GERMAN
2. PORTUGAL

CONDITIONS

NONE

DEFAULT DATA

ENGLISH

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
```

RELATED ITEMS

NONE

[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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 810. Display shows:	HALT/PROCESSING C:ALL S:ALL→PROC
2. Enter cabinet selection via dial keypad. OR Press Volume button to make selection and press Right Soft button to advance cursor.	HALT/PROCESSING C:1 S:ALL→PROC
Press ANS/RLS button to select all cabinets and slots.	HALT/PROCESSING C:ALL S:ALL→PROC
3. Enter slot number via dial keypad. OR Press Volume button to make selection and press Right Soft button to advance cursor.	HALT/PROCESSING C:1 S:2→PROC
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.	

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.

No	Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 811.
   Display shows:

   DISPLAY: SYSTEM RESTART / RESET SYSTEM?NO

2. Enter reset type(0-2) via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY: SYSTEM RESTART / CLEAR MEMORY?NO

3. Dial 1 for YES or 0 for NO.

   Press Volume button to make selection and press Right Soft button.

   DISPLAY: SYSTEM RESTART / CLEAR MEMORY?YES

4. Dial 1 for YES or 0 for NO.

   Press Volume button to make selection and press Right Soft button.

   DISPLAY: 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.

RELATED ITEMS

NONE

[812] SET COUNTRY CODE

This MMC must be run by the installer before any other programming is done.

When changing the MMC [812]

'MMC [812] SET COUNTRY CODE' should not be used from the default levels without the assistance of the local SAMSUNG distributor.

CONDITIONS

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.

DEFAULT DATA

According to MCP2 DIP S/W.

ACTION

DISPLAY

1. Press Transfer button and enter 812.
   Display shows:

```
SELECT COUNTRY
Undefined
```

2. Press Volume button to make selection and press Right Soft button.

```
SELECT COUNTRY
RUSSIA/CIS
```

3. Press Volume button to select Yes or No and press Right Soft button.

```
DEFAULTING SYSTM
ARE YOU SURE?NO
```

When you select 'YES'

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.

RELATED ITEMS

ALL MMC

[813] HOTEL OPERATION

Allows the system installer to enable the HOTEL feature.

CONDITIONS

NONE

DEFAULT DATA

DISABLE

ACTION

DISPLAY

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.

RELATED ITEMS

Hotel Related MMC

MMC 221	EXTENSION TYPE
MMC 222	FAX PAIR
MMC 513	HOTEL TIMER
MMC 760	ITEM COST TABLE
MMC 761	TAX RATE SETUP
MMC 762	ROOM COST RATE

[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.

Option	Description
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

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).

CONDITIONS

NONE

DEFAULT DATA

DAILY SAVE 00:00(no daily save)

ACTION	DISPLAY
1. Press Transfer button and enter 815. Display shows:	CUST DBASE:SMDB S:12/01/01 00:00
If the Smart Media is used already, the display shows.	CUST DBASE:SMDB SMART IS BUSY
2. Press Right Soft button to move cursor.	CUST DBASE:SMDB S:12/01/01 00:00
3. Press Volume button to make selection and press Right Soft button to move cursor.	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.	

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.

Option	Description
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.

When changing the MMC [816]

'MMC [816] CONFERENCE GAIN' is not to correct low volume. To be used with the support of local SAMSUNG Electronics Co. distributor.

CONDITIONS

NONE

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

ACTION	DISPLAY
1. Press Transfer button and enter 816. Display shows:	CONFERENCE GAIN USE DEFAULT :YES
2. Press Volume button to make selection and press Right Soft button to make change and to move cursor.	CONFERENCE GAIN USE DEFAULT :NO
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.	MEMBER:4 A-TRK:0 CNF:-6.0 SW:+0.0
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.	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 Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 818.
   Display shows:

   DISPLAY:
   ```
   PGM DOWNLOAD
   MPP:MPPLV203.PGM
   ```

2. Press Volume button to select program type and press Right Soft button to move cursor.

   DISPLAY:
   ```
   PGM DOWNLOAD
   SPP:SPP_V203.PGM
   ```

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.

   DISPLAY:
   ```
   LAN PGM
   DOWNLOAD NOW?NO
   ```

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

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.

Files included in SmartMedia are described below:

File Name	Description
STARTUP.INI	If a user designates an MCP or SCP program at MMC 818, related data are saved in this file. This file is initially not included but is created when the above programs are selected at MMC 818.
STARTUP.PRE	When the system is initially started, this program uses the memory of the MCP card to load the MPP program of SmartMedia. This program must be included to start the system.
MPPMxxx.PGM MPPLxxx.PGM	Program for MCP2 board. Since the MCP2 program is not installed in the MCP2 board itself, at least one MCP2 program must be included in SmartMedia to start the system. Files named MPPMxxxx.PGM represent programs for M-system, and those named MPPLxxxx.PGM represent programs for L-systme. SmartMedia must include the proper MCP2 program corresponding to the system type(L-system or M-system).
SPPV200.PGM	LCP program. The LCP program is installed in the card itself. The one included in SmartMedia is used for S/W version upgrade.
PRIV100.PGM	TEPRI program. The TEPRI program is installed in the card itself. The one included in SmartMedia is used for S/W version upgrade.
DATABASE.MPP	This file is created in SmartMedia when DB is saved to SMDB by MMC 815. Initially not included, this file is created only when SMDB is created by MMC 815.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 819. Display shows:	STARTUP.PRE sz:79288 bytes
2. Press Volume button to select program type and press Hold button to move cursor delete selection.	MPPLV203.PGM sz:6783488 bytes
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.	MPPLV203.PGM DELETE FILE? NO
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

Option	Description
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.

CONDITIONS

'SELF' represents self-node, and must be set to use the networking function. Items other than 'SELF' are used for station numbers and can be omitted.

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 820.
   Display shows:

   DISPLAY: `SELF :LINK ID`

2. Enter SELF link ID via dial keypad and press Right Soft button.

   DISPLAY:
   ```
   SELF :LINK ID
   11
   ```

3. Press Volume button to select other link ID and press Right Soft button to mover cursor.

   DISPLAY: `SYS01:LINK ID`

4. Enter other link ID via dial keypad and press Right Soft button.

   DISPLAY:
   ```
   SYS01:LINK ID
   22
   ```

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

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.

CONDITIONS

NONE

DEFAULT DATA

NORMAL

ACTION	DISPLAY
1. Press Transfer button and enter 821. Display shows:	[701] Q-SIG TRK NORMAL
2. Enter first trunk number of PRI card. OR Press Volume button to make selection and press Right Soft button to move cursor.	[701] Q-SIG TRK NORMAL
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.	[701] Q-SIG TRK Q-SIGNALING
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

NONE

[822] SET VIRTUAL EXTENSION TYPE

Assigns the virtual extension port type. The virtual extension port types are followed:

No	Type	Description
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	7 BTN LCD	7 buttons LCD phone
13	0 BTN LCD	0 button LCD phone
14	NONE	not used

CONDITIONS

NONE

DEFAULT DATA

3501-3546: SLT
3401-3480: 28 BTN SET

ACTION

1. Press Transfer button and enter 822.
   Display shows:

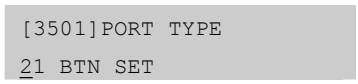
   DISPLAY:
   ```
   [3501]PORT TYPE
   SLT
   ```

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:
   ```
   [3502]PORT TYPE
   SLT
   ```

   DISPLAY:
   ```
   [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.

RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

[823] ASSIGN NETWORK COS

Assigns the class of service for networking.

No	Option	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	PAGE	Y	PAGE
32	PATH REPL.	Y	Path Replacement
33	PATH RETEN	N	Path Retention

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 823. Display shows:	NETWORK COS (01) 01:CALL OFFER :Y
2. Dial the class of service number.(01-30) OR Press Volume button to select and press Right Soft button to move cursor.	NETWORK COS (02) 01:CALL OFFER :Y
3. Dial the feature number. OR Press Volume button to select and press Right Soft button to move cursor.	NETWORK COS (02) 03:CC PATH RSV:Y
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.	NETWORK COS (01) 03:CC PATH RSV:N
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press Transfer button and enter 824. Display shows:	01:601→ SIZE:0 MAX:00
2. Dial the entry number. OR Press Volume button to select and press Right Soft button to move cursor.	01:601→_ SIZE:0 MAX:00
3. Enter digit string(max. 8digits) and press Right Soft button to move cursor.	01:601→60201 SIZE:0 MAX:00
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 SIZE:3 MAX:00
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 DISP:N MBX:N

6. Enter YES/NO to display other node extension like as a internal extension number format.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
01:601→60201
DISP:Y  MBX:N
```

7. 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.

```
01:601→60201
DISP:Y MBX:N
```

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

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.

No	Option	Description
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.
4	USE REMOTE ATTN	Assign to use Attendant on remote system.
5	REMOTE ATTN NUMB	Assign to access number of remote Attendant when the Remote Attendant is used.

CONDITIONS

NONE

DEFAULT DATA

ADD NUMB TO NAME: YES
USE REMOTE VM: NO
REMOTE VM NUMBER: NONE
REMOTE CID NUMB: YES

ACTION

1. Press Transfer button and enter 825.
   Display shows:

   DISPLAY:
   ```
   ADD NUMB TO NAME
   YES
   ```

2. Dial the option number.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

   DISPLAY:
   ```
   USE REMOTE VM
   NO
   ```

3. Dial 1(YES) or 0(NO).
   OR
   Press Volume button to select YES/NO and press Right Soft button to mover cursor.

   DISPLAY:
   ```
   USE REMOTE VM
   YES
   ```

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

RELATED ITEMS

MMC 710	LCR DIGIT TABLE
MMC 724	DIAL NUMBERING PLAN
MMC 820	ASSIGN SYSTEM LINK ID
MMC 824	NETWORK 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.

CONDITIONS

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.

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

ACTION	DISPLAY
1. Press Transfer button and enter 826. Display shows:	REFERENCE CLOCK PRIORITY 1:C1-S1
2. Dial the priority number.(1-9 or 1-3) OR Press Volume button to select and press Right Soft button to move cursor.	REFERENCE CLOCK PRIORITY 1:C1-S1
3. Dial the priority data. OR Press Volume button to select and Press Right Soft button to store.	REFERENCE CLOCK PRIORITY 1:C1-S1
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Option	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

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 829. Display shows:	[01] DATA TYPE SMDR
2. Enter type of data to be printed. OR Press Volume button to select the type and press Right Soft button to move the cursor.	[02] DATA TYPE UCD REPORT
3. Enter the item number. OR Press Volume button to select the item and press Right Soft button to move the cursor.	[02] PRINTER IP 200. 1. 1. 1
4. Select the data. OR Press the Volume button to select the data and press Right Soft button to move the cursor.	[02] PRINTER IP 168.219. 83.101
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Parameter	Description
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 hardwareMAC) 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.

NOTE

ETHERNET PARAMETERS

- 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.
- 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

CONDITIONS

- This MMC must be utilized if there are ITP series phones and/or MGI cards used on the system.
- After changing the Ethernet parameter, restart the system to apply the new setting.

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

ACTION	DISPLAY
1. Press Transfer button and enter 830. Display shows the system IP address:	SYSTEM IP ADDR 165.213. 97.185
2. Press Volume button to make selection and Press Right Soft button to move cursor.	SYSTEM IP ADDR 165.213. 97.185
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.	SYSTEM IP ADDR 192.168.001.010
4. Press Volume button to make selection and Press Right Soft button to move cursor.	SYSTEM GATEWAY 165.213. 97. 1

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.

```
SYSTEM GATEWAY
192.168.001.001
```

6. Press Volume button to make selection and press Right Soft button to move cursor.

```
SYSTEM RESTART
ARE YOU SURE? NO
```

7. Press Volume button to make selection and press Right Soft button to store and move cursor.

```
SYSTEM RESTART
ARE YOU SURE? NO
```

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

RELATED ITEMS

MMC 61	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.

No	Parameter	Description
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	IP TYPE	Defines which IP addressing relationship is used for communications to and from the MGI card. 0 PRIVATE IP ONLY 1 PRIVATE w PUBLIC 2 PRIVATE IP ONLY
4	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.
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.


NOTE

MGI PARAMETERS

- The first 3 parameters: IP ADDRESS, GATEWAY, and SUB MASK-changes to these parameters will not be applied until the MGI is reset.
- 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

CONDITIONS

This MMC cannot be accessed unless there is an MGI card installed in the system.

DEFAULT DATA

IP ADDRESS: 1.1.1.1
GATEWAY: 1.1.1.1
SUB MASK: 255.255.255.0
IP TYPE: PRIVATE IP ONLY
PUBLIC IP: 1.1.1.1
VERSION: V4
CARD RESET: NO

ACTION	DISPLAY
1. Press Transfer button and enter 831. Display shows the first MGI card:	[3801] IP ADDRESS 168.219. 76.101
2. Enter MGI number. OR Press Volume button to make selection and press Right Soft button to move cursor.	[3801] IP ADDRESS 168.219. 76.101
3. Enter MGI parameter number. OR Press Volume button to make selection and press Right Soft button to move cursor.	[3801] IP ADDRESS 168.219. 76.101
4. Enter MGI parameter. OR Press Right Soft button to move cursor.	[3801] IP ADDRESS 165. 10. 1.100
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

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).

No	Option	Description
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.

CONDITIONS

NONE

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

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.	

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.


NOTE

When changing IP

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

CONDITIONS

NONE

DEFAULT DATA

TB(00) ENTRY(00): MMC830 SYSTEM IP ADDR
ALL OTHERS: EMPTY

ACTION	DISPLAY
1. Press Transfer button and enter 833. Display shows the first table number:	TB(00) ENTRY (00) 0. 0. 0. 0
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.	TB(00) ENTRY (00) 0. 0. 0. 0
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.	TB(00) ENTRY (00) _ 0. 0. 0. 0
4. Enter IP address via dial keypad. Cursor will be return step 3.	TB(00) ENTRY (00) 165.213. 87.110
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Parameter	Description	Default
00	GATEWAY CALL ID	This a up to 12 digits numeric entry that identifies this system.	1234
01	H.323 FAST SETUP	Enables or disables the H.323 Fast Start call setup method.	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 2 IP: Which shows the calling H.323 gateway IP address.	ANI
06	TUNNELING	Enables or disables the need for additional channels using H.245 signaling. Tunneling allows use of the H.245 signal channel with the Q.931 channel.	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.	500
11	CODEC AUTO NEGO	Enables or disables Auto CODEC Negotiation when the MGI is used as a H.323 gateway.	ON
14	SIGNAL PORT	Indicate the port number for H.323 signaling 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.	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 2 FOLLOW INCOM DGT: Follows MMC724	FOLLOW DID TRANS
19	ALLOW GW CHECK	When using a gatekeeper, this permits the H.323 gateway to check for gatekeeper presence.	DISABLE

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 834. Display shows the first option:	GATEWAY CALL ID 1234
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.	H.323 FAST SETUP DISABLE
3. Enter H.323 option data via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	H.323 FAST SETUP ENABLE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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:

No	Parameter	Description
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:

No	Parameter	Description	Default
00	CODEC-FRAME	Selects which audio CODEC compression will be used and the transmission interval time of VoIP packets generated by the MGI card. MGI3 card supports G.729A(8 K), G.729(8 K), G.711(64 K), and G.723.1(5.3~6.4 K).	G.729A – 40 Ms
01	ECHO CANCEL	Enables or disables echo cancellation. This function removes echo that is generated by voice reflection and packet delay.	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.	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-31~32 dB(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-31~31 dB(0~63).	32(0 dB).
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.	4

No	Parameter	Description	Default
09	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 010~300 ms	30 ms
10	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 010-300 ms.	150 ms
11	FAX ECM	This option selects retry of Fax-over-IP, in the case that errors are detected.	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.	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.	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.	3
16	RTP CHK TM	This options selects the interval time of sending RTCP.	5 SEC

MGI2 and MGI1 parameters are followed:

No	Parameter	Description	Default
0	CODEC FRAME	Selects which audio CODEC compression will be used and the transmission interval time of VoIP packets generated by the MGI card. MGI2 supports G.729A(8K) and G.711(64 K). MGI1 supports G.711 only.	G.729A(MGI2)-40 MS
1	ECHO CANCEL	This function removes echo that is generated by voice reflection and packet delay. This sets ENABLE only, cannot 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.	

No	Parameter	Description	Default
4	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 020~300 ms	
5	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 020-300 ms.	
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 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.	

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1. Press Transfer button and enter 835.
   Display shows the first option:

```
MGI3:CODEC-FRAME
G.729A -40 MS
```

2. Enter MGI type(0-2) via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
MGI3:CODEC-FRAME
G.729A -40 MS
```

3. Enter MGI DSP parameter via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
MGI3:CODEC-FRAME
G.729A -40 MS
```

4. Enter MGI DSP parameter.
   OR
   Press Volume button to make selection and press Right Soft button to save and return step 3.

```
MGI3:CODEC-FRAME
G.729A -20 MS
```

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

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 signaling(RAS). The settings are system wide.

NOTE

When changing IP

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

No	Parameter	Description	Default
00	GK CONNECTION	This enables or disables the H.323 call to connect to a gatekeeper.	DISABLE
01	GK ROUTING	This enables or disables routing of calls through a gatekeeper.	DISABLE
02	GK IP ADDRESS	This is gatekeeper's IP address.	0.0.0.0
03	GK NAME	This is alphanumeric name identifier of the gatekeeper. An entry of 16 characters.	'Gatekeeper'
04	ALTER GK IP ADDR	This provide for an alternate gatekeeper address.	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.	'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.	0 SEC
08	GK DOWN ROUTE	This provides an alternate route in case the primary gatekeeper is down. Selections are PSTN or ALTER GK.	PSTN
09	GK RAS TYPE	Select if AUTO or MANUAL, depending on your gatekeeper's capabilities.	AUTO
11	URQ REASON MODE	Select ON or OFF for usage of Un-register Request RAS(URQ) messages.	ON
12	RRQ FAIL TIME	Programs the time frame to re-send Registration Request RAS(RRQ) messages to a gatekeeper. The range is 1~99.	30 seconds
13	GRQ SEND	Select ON or OFF for usage of Gatekeeper RAS Request(GRQ) messages.	OFF

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 836. Display shows the first available option:	GK CONNECTION DISABLE
2. Enter H.323 GK option via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	GK ROUTING DISABLE
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.	GK ROUTING ENABLE
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.


NOTE

When changing IP

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.

No	Parameter	Description	Default
00	GATEWAY CALL ID	This a up to 12 digits numeric entry that identifies this system.	‘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.	500
03	UDP PORT: TRUNK	Sets the UDP port used on a SIP trunk call.	5060
04	UDP PORT: PHONE	Sets the UDP port used on a SIP phone call.	5070
05	RE-TRANS. T1 TIME	The initial re-transmission time if no answer based on the RFC2543 specification. The range is 0~9900 ms.	500 ms
06	RE-TRANS. T2 TIME	The maximum re-transmission time if no answer based on the RFC2543 specification. The range is 0~9900 ms.	4000 ms
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 0~9900 ms.	5000 ms
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 0~99900 ms.	5000 ms
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 0~99900 ms.	5000 ms

No	Parameter	Description	Default
10	PROVISIONAL TIME	After receiving the Provision Response, the User Agent shall wait for this amount of time until Timeout ends. The range is 0~999900 ms.	180000 m
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 0~99900 ms.	5000 ms
12	GEN.NO RESP TIME	Before sending Cancel for General Request, the User Agent shall wait for this amount of time. The range is 0~99900 ms.	5000 ms
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 0~99900 ms.	5000 ms
14	SIP SERVER ENABLE	Sets ENABLE or DISABLE to use an optional external industry-standard SIP Server.	DISABLE
15	SIP SERVER IP	Sets SIP server IP address.	0.0.0.0.
16	SIP SERVER PORT	Sets the port to use on the SIP Server.	5060
14	SIGNAL PORT	Indicate the port number for SIP signaling 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.	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.	DISABLE

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 834. Display shows the first option:	GATEWAY CALL ID 1234
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.	CALLER ID TYPE ANI
3. Enter SIP option data via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	CALLER ID TYPE IP
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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

[838] PRIVATE IP ADDRESSES

This MMC is used to select which SYSTEM IP Address(PRIVATE or PUBLIC) is used to connect other device via H.323 trunk or SIP trunk. The device which use the PRIVATE IP Address assigned in this MMC, the PRIVATE SYSTEM IP Address will be used to connect the device.


NOTE

When changing IP

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

CONDITIONS

NONE

DEFAULT DATA

TABLE(80): 165.213.255.255
ALL OTHERS: 0.0.0.0

ACTION

1. Press Transfer button and enter 838.
   Display shows the first table number:

2. Enter table number(01-80) via dial keypad.
   OR
   Press Volume button to make select ion and press Right Soft button to move cursor.

3. Enter IP address via dial keypad.
   Cursor will be return step 3.

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

DISPLAY

```
PRIVATE IP  (01)
  0.  0.  0.  0
```

```
PRIVATE IP  (01)
  0.  0.  0.  0
```

```
PRIVATE IP  (01)
165.213. 87.110
```

RELATED ITEMS

MMC 830	ETHERNET PARAMETER
MMC 832	VOIP OUTBOUND DIGITS
MMC 834	H.323 OPTIONS
MMC 837	SIP OPTIONS

[840] IP PHONE INFORMATION

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.

No	Option	Description	Default
00	USER ID	This is the ID the IP phone must match to register with the OfficeServ 500 system. This entry can be alphanumeric.	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.	'1234
02	IP ADDR	This is the IP address of the IP phone once registered with the system. This is read only data.	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.	FFFFFFFFFFFF
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.	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.	9000
06	IP TYPE	This is the type of IP network used: PRIVATE or PUBLIC.	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.	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.	

No	Option	Description	Default
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 10~40 ms.	10 ms
11	JITTER BUF	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 10~90 ms.	20 m
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.	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.	
15	TIME ZONE	Decides time difference of IP Phone and the system. This is for IP Phone which is installed in the different time area of the system.	

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1. Press Transfer button and enter 840. Display shows:	[3201]USER ID 3201
2. Enter IP phone number via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	[3210]USER ID 3210
3. Enter IP phone option number via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	[3210]DSP TYPE G.729A
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.	[3210]DSP TYPE G.711
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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.

No	Option	Description	Default
0	PHONE VERSION	Sets running IP-based phone and new phone software version with the system. 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. 5 SOFT MENU: Soft menu version	0000
1	PHONE TFTP IP	Sets phone software upgrade TFTP server IP address.	0.0.0.0
2	ITP REGISTRATION	Defines the method that IP-based phones use to registration themselves with the system.	
		0 TYPE: Defines the method that IP-based phones use to registration themselves with the system. a) SYS PSWD: System will authenticate the IP-based phones with the value contained within parameter ITP REGISTRATION: PSWD within this same MMC. b) ITP PSWD: System will authenticate the IP-based phones according to entries made in MMC 840. c) DISABLE: System will not authenticate IP-based phones at all.	SYS PSWD
		1 PSWD: This is a system-wide password value used for registration of IP phones.	‘1234
3	EASYSET OPTION	Sets EasySet link via LAN option with the system.	
		0 PSWD: This is a system-wide password value used for authentication of EasySet server.	‘1234
		1 ALIVE TIME: This is a EasySet link via LAN alive check timer.	0 SEC

No	Option	Description	Default
4	CTI LINK OPTION	Sets CTI link via LAN option with the system.	
		0 SMDR REPORT: Sets YES or NO for SMDR data to CTI link via LAN.	NO
		1 UCD REPORT: Sets YES or NO for UCD data to CTI link via LAN.	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.	300 SEC
5	ITP DSP PARA	Sets IP phone DSP parameter of system-wide.	
		0 M-FRAME: 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 10~40 ms.	10 ms
		1 JITTER: Decides the minimum time to consider delay for jitter adjustment. This data uses DOWN = SYS DATA case only on this MMC. The range is 10~90 ms.	20 ms
		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.	all bits 0
		3 DOWN: Determines data uses system-wide data or each phone data for IP-based phone DSP control. a) SYS DATA: System-wide data will be used.(MMC 841 data) B) PHONE DATA: Each phone data will be used.(MMC 840 data)	SYS DATA
6	ITP TX GAIN/HSET	Sets IP-based phone Handset TX gain value of each level. Defaults are followed but depend on Country	
7	ITP RX GAIN/HSET	Sets IP-based phone Handset RX gain value of each level. Defaults are followed but depend on Country	

No	Option	Description	Default
8	ITP TX GAIN/MIC	Sets IP-based phone MIC gain value of each level. Defaults are followed but depend on Country	
9	ITP RX GAIN/SPKR	Sets IP-based phone SPKR gain value of each level. Defaults are followed but depend on Country	-
10	ITP VERS UPGRADE	Sets IP-based phone software upgrade option with the system.	
		0 TYPE: Sets IP-based phone software upgrade type.. a) MMC COMMAND: IP-based phone software upgrades manually in MMC 840. b) PHONE CON: IP-based phone software upgrades automatically at phone connection. c) AUTO TIME: IP-based phone software upgrades automatically at set time.	MMC COMMAND
		1 START TIME: IP-based phone software automatically upgrade start time.	0000.(Disable)
		2 INTERVAL: IP-based phone software automatically upgrade interval time.	10 seconds.
11	MGI ALIVE PERIOD	Set the time interval of checking the link connection of MGI card and the system.	-

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

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.

DISPLAY

```
PHONE VERSION
LARGE DGP: 0000
```

```
ITP REGISTRATION
TYPE: SYS PSWD
```

3. Enter option number via dial keypad.
   OR
   Press Volume button to make select and press Right Soft button to move cursor.

```
ITP REGISTRATION
PSWD: 1234
```

4. Enter option data.
   OR
   Press Right Soft button to save and return step 3.

```
ITP REGISTRATION
PSWD: 8228
```

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

DEFAULT DATA

SEE DESCRIPTION

RELATED ITEMS

MMC 840 IP PHONE INFORMATION

[844] IP STATION TYPE

This MMC is used to assign the IP station type(DESKTOP PHONE or MOBILE PHONE). In default, the first half of IP station is assigned to DESKTOP PHONE and the last half is assigned to MOBILE PHONE. To install the certain type more than the default assigned count, user must to change the IP station type in this MMC because the maximum capacity of IP Phone is limited. To install ITP-5012L, ITP-5014D or ITP-5021D must be set to DESKTOP Phone. And to install WIP-5000M must be set to MOBILE PHONE.

CONDITIONS

NONE

DEFAULT DATA

[L] 001~120: DESKTOP PHONE, 121~240: MOBILE PHONE
[M] 001~060: DESKTOP PHONE, 061~120: MOBILE PHONE

ACTION

1. Press Transfer button and enter 844.
   Display shows:

   DISPLAY: `INDEX:001 [3201]` / `DESKTOP PHONE`

2. Dial index number.(e.g., 121)
   OR
   Press Volume button to select station and press Right Soft button to move cursor.

   DISPLAY: `INDEX:121 [3301]` / `MOBILE PHONE`

3. Dial 1 or 0 to select type.
   (1: MOBILE PHONE, 0: DESKTOP PHONE)
   Press Volume button to select option and press Right Soft button.

   DISPLAY: `INDEX:121 [3301]` / `DESKTOP PHONE`

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

RELATED ITEMS

MMC 840	IP PHONE INFORMATION
MMC 846	WIP INFORMATION

[845] WLAN PARAMETER

This MMC modifies the WLAN parameter.
Set the network configuration with the WLAN parameters, which are the SYSTEM ID, the System KEY, and the WBS24 and SIP related with WLAN call.
The system KEY is used internally to distinguish between systems when registering a terminal. The default value is ‘00000 , but only when this value is modified to another value, an electric power will be supplied to the WBS24, thus enabling the use of the WLAN terminal, In addition, the System KEY serves as an identification ID when the WLAN terminal connects to the WBS24.
The default value of the SYSTEM ID, ‘WBS24 , must be modified to another value in order to use a multiple system in one area. The DNS setting for WLAN is additionally described in this menu.
Set the network configuration for WBS24 by setting the IP assignment, Netmask, and Gateway. These settings should be compatible with the Intranet since the network configuration setting is essential for data service. In addition, the RF frequency for WBS24 should be selected. Currently up to 14 frequencies may be selected.

Session Initiation Protocol(SIP) variables used for the WBS24(Basic) can be defined.

WLAN PARAMETER

No	Parameter	Description	Default
0	SYSTEM ID	ID used for distinguishing systems in wireless environment. Different IDs must be assigned to different systems.	WBS24
1	SYSTEM KEY	Key used for registering terminals. Different values must be assigned to each system.	00000
2	1st DNS IP	First Domain Name Server(DNS) IP address.	0.0.0.0
3	2nd DNS IP	Second Domain Name Server(DNS) IP address.	0.0.0.0
4	2nd WBS IP	IP addresses of all WBSs of system used by wireless terminal. Different IPs must be assigned to each system.	168.208.144. 10
5	CODEC LIST	CODEC that can be used for VoIP calls between WBS24 and terminal. G.711u, G.711a, G.726, and G.729 can all be assigned.	CODEC 1: G.711a CODEC 2: NONE CODEC 3: NONE CODEC 4: NONE
06	RF CHANNEL	Set a RF CHANNEL value that can be used by WBS.	USE CH 1: 01 USE CH 2: 06 USE CH 3: 11 USE CH 4: 00 USE CH 5: 00 USE CH 6: 00
07	VERSION	WLAN module version.	

No	Parameter	Description	Default
08	TFTP SERVR	WBS UPGRADE Server IP.	0.0.0.0
09	TFTP FILE	WBS UPGRADE file name.	WBS00000.TFP
18	WBS TX PWR	TX POWER of entire WBSs.	DEFAULT
19	CLR WBSREG	Initializes registration data of all WBSs.	NO

WBS PARAMETER

There are two types of WBSs, the COMBO AP and BASIC AP. A system cannot use both types of WBSs at the same time. The AP type to be used can be set at Program 849. Depending on the selected AP type, this program displays COMBO AP(CWBS), and BASIC AP(BWBS).

- When using COMBO AP
  WBS24 COMBO is connected to a WLI card. Up to 3 WLI cards can be connected to an L-system, and a single WLI card can be connected to a M-system.(A single WLI card can connect up to 8 WBS24 COMBOs.)

- When using BASIC AP
  WBS24 BASIC is connected to the system through the network and requires an MGI port to provide tone and call path connection.

No	Parameter	Description	Default
0	IP ADDRESS	WBS24 IP address for Ethernet.	0.0.0.0
1	GATEWAY	Gateway address of the WBS24 Network.	0.0.0.0
2	NET MASK	Netmask of the WBS24 Network.	255.255.255.0
3	MAC ADDR	MAC address of WBS24 received to the system when WBS24 is connected.	FFFF FFFF FFFF
4	VERSION	WBS24 Software version.	
5	STATUS	Alive operation status.	OFF
6	USE RF CH.	RF channel No. used by each WBS24 .	1, 6, or 11
7	TX POWER	TX POWER of each WBS.	DEFAULT
8	PARA CLR	Initializes WBS registration data.	NO

SIP PARAMETER

No	Parameter	Description
0	RE-TRANS T1	When using an unreliable transmission protocol such as UDP, retransmission is required when no reply is received. RE-TRANS. T1 TIME is the initial retransmission interval defined in RFC2543.
1	RE-TRANS T2	Maximum retransmission interval defined in RFC 2543

No	Parameter	Description
2	RE-TRANS T4	RFC 2543 defines this parameter for various purposes. For example, this parameter can be used as the time waited by User Agent Server(USA) after receiving ACK message in an unreliable transmission protocol.
3	GEN RING TM	When using an unreliable transmission protocol, the server cannot be sure if the client has received the last reply. Thus, the server must retransmit the reply for as long as this time until it receives the requested retransmission. For example, this parameter can be used as the waiting time after sending 200 OK for INFO.
4	INV RING TM	When using an unreliable transmission protocol, the client cannot verify if the server has received the ACK returned to the server for the INVITE Final Response. The client waits for as long as this time after sending the ACK for the Final Response.
5	GEN NO RESP	Waiting time until canceling SIP related Request.
6	INV NO RESP	Waiting time until canceling SIP INVITE Request.
7	REQ RETRY	Waiting time until receiving final response for SIP related Request.
8	PROVISIONAL	On receiving Provision Response, the User Agent must wait for as long as this time until Timeout.

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1. Press the Transfer button, and enter 845.

```
WLAN : SYSTEM ID
WBS24
```

2. When the cursor is at WLAN, press the UP or DOWN button and select WLAN, WBS, or SIP.

```
WLAN : SYSTEM ID
WBS24
```

3. Press the Soft button and move to the SYSTEM ID. When the cursor is below SYSTEM ID, press the UP or DOWN button and select the setting menu for WLAN.

```
WLAN : SYSTEM ID
WBS24
```

4. Set the items below at the WLAN menu.

SYSTEM ID: Use the Soft button to move the cursor Enter the new WLAN SYSTEM ID to Register.

```
WLAN : SYSTEM ID
WBS24
```

Press the Soft button and proceed to next register status.

Register the SYSTEM KEY.

```
WLAN : SYSTEM KEY
00000
```

Register the DNS server(first) IP.

```
WLAN : 1ST DNS IP
0.  0.  0.  0
```

Register the DNS server(second) IP.

```
WLAN : 2ND DNS IP
0.  0.  0.  0
```

Register the 2nd WBS IP.

```
WLAN : 2ND WBS IP
0.  0.  0.  0
```

Select the voice codec. Select from the G711a, G711u, and G729 CODEC.
Numbers are given from 1 to 4 based on priority.

```
WLAN : CODEC LIST
CODEC 1: G.711a
```

Select the usable RF channel. Maximum 6 channels can be used for a system.
(Default RF channel: 1, 6, 11)

```
WLAN : RF CHANNEL
USE CH 1: 01
```

Used to change the TX POWER of all WBS.
(Default: LEVEL 1~4)

```
WLAN : WBS TX PWR
DEFAULT
```

Used to clear registration information of all WBS.

```
WLAN : CLR WBSREG
ARE YOU SURE?NO
```

5. Set the items below at the WBS24 menu.
The selected WBS is according to the MMC 848 SELECT AP TYPE.(CWBS: COMBO WBS, BWBS: BASIC WBS)
Register the WBS24 IP ADDRESS.

```
CWBS1 : IP ADDR
0.  0.  0.  0
```

Register the WBS24 NET MASK.

```
CWBS1 : NET MASK
255.255.255.  0
```

Register the WBS24 GATEWAY.

```
CWBS1 : GATEWAY
0.  0.  0.  0
```

Displays the WBS24 MAC ADDRESS:

```
CWBS1 : MAC ADDR
FFFF FFFF FFFF
```

Displays the WBS24 VERSION:

```
CWBS1 : VERSION
```

Displays the WBS24 status:

```
CWBS1 : STATUS
OFF
```

Register the WBS24 RF CHANNEL.(The WBS RF channel must be selected among the pre-assigned RF channels in WLAN RF CHANNELS item)

```
CWBS1 : RF CHAN
USE CH 1:01
```

Register the WBS24 TX POWER.
(Default: LEVEL 1~4)

```
CWBS1 : TX POWER
DEFAULT
```

Used to clear the WBS parameter.

```
CWBS1 : PARA CLR
ARE YOU SURE?NO
```

6. Set the items below at the menu
   Register the RE-TRANS T1.
   The initial re-transmission time if no answer based on the RFC2543 specification.
   The range is 0-9900ms. (Default: 500 ms)

```
SIP : RE-TRANS T1
000500MS
```

   Register the RE-TRANS T2.
   The maximum re-transmission time if no answer based on the RFC2543 specification.
   The range is 0-9900ms. (Default: 4000 ms)

```
SIP : RE-TRANS T2
004000MS
```

   Register the RE-TRANS T4 The time the User Agent Server waits after receiving the ACK message. Based on the RFC2543 specification.
   The range is 0-9900ms. (Default: 5000 ms)

```
SIP : RE-TRANS T4
005000MS
```

   Register the GEN LING 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: 6000 m)

```
SIP : GEN LING TM
006000MS
```

Register the INV RING 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 0-99900 ms. (Default: 1000 ms)

```
SIP : INV RING TM
001000MS
```

Register the GEN NO RESP. Before sending Cancel for General Request, the User Agent shall wait for this amount of time. The range is 0-99900 ms. (Default: 5000 ms)

```
SIP : GEN NO RESP
005000MS
```

Register the INV NO RESP. Before sending Cancel for the Invite Request, the User Agent shall wait for this amount of time. The range is 0-99900 ms. (Default: 5000 ms)

```
SIP : INV NO RESP
006000MS
```

Register the REQ RETRY. After sending General Request, he User Agent shall wait for the Final Response for this amount of time. The range is 0-99900 ms. (Default is 5000 ms)

```
SIP : REQ RETRY
005000MS
```

Register the PROVISIONAL. After receiving the Provision Response, the User Agent shall wait for this amount of time until Timeout ends. The range is 0-999900 ms. (Default: 180000ms)

```
SIP : PROVISIONAL
180000MS
```

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 847	WLAN RESET AND STATUS CHECK
MMC 848	WLAN IP/MAC LIST
MMC 849	WLAN CONFIGURATION

[846] WIP INFORMATION

This MMC sets up the WIP-5000M wireless terminal's information.

No	Parameter	Description	Default
00	REGISTERED	Shows if the terminal is registered.	NO
01	LOCATED	Shows if the terminal is connected to the system.	DETACH
02	PHONE TYPE	Shows the type of the terminal.	
03	WLI NUMBER	Number of WLI connected to the WBS24 servicing the terminal.	
04	WBS NUMBE	Number of WBS24 servicing the terminal.	
05	IP OFFSET	Location of IP pool of the terminal IP.	
06	IP ADDRESS	Terminal IP address.	0.0.0.0
07	MAC ADDR	Terminal MAC address.	0000 0000 0000
08	USER ID	User ID per terminal.	1212
09	PASSWORD	Password of terminal user.	0000
10	INSERT DGT	If 5 or more numbers are entered into the WIP terminal, this INSERT DGT is prefixed to the numbers, supposing that the entered numbers do not start with a C.O. number, C.O. group number, LCR, network LCR, or function code.	

CONDITIONS

NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION

1. Press the Transfer button, and enter 846.

DISPLAY

```
[3301] REGIETERED
NO
```

2. Dial the WIP number.
   OR
   Press Volume button to select station and press Right Soft button to move cursor.

```
[3301] REGIETERED
NO
```

3. Set the items below at the menu.
   Confirm the status of terminal register for each phone number.

```
[3301] REGIETERED
NO
```

Displays the location of the registered terminal:	[3301] LOCATED DETACH
Displays the PHONE TYPE of the registered terminal:	[3301] PHONE TYPE
Displays the WLI NUMBER of the registered terminal:(Currently, This is not used)	[3301] WLI NUMBER
Displays the WBS NUMBER of the registered terminal:	[3301] WBS NUMBER
Displays the IP OFFSET of the registered terminal:	[3301] IP OFFSET
Displays the IP ADDRESS of the registered terminal	[3301] IP ADDRESS
Displays the MAC ADDRESS of the registered terminal:	[3301] MAC ADDR
Register the USER ID of terminal.	[3301] USER ID 1212
Register the PASSWORD of terminal.	[3301] PASSWORD 0000
Register the INSERT DGT of terminal. (These digits will be automatically inserted in front of user dialling digits when the count of user dialling digit is exceed 4 and it does not start with the TRK access code and FEATURE code)	[3301] INSERT DGT _

RELATED ITEMS

MMC 847	WLAN RESET AND STATUS CHECK
MMC 848	WLAN IP/MAC LIST
MMC 849	WLAN CONFIGURATION

[847] WLAN RESET AND STATUS CHECK

This MMC is used for rebooting the WBS24 all or independently. This MMC is also used for initializing the WLI card.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press the Transfer button, and enter 847.

```
RESET :WLI :1
RESET NOW  ? NO
```

2. Select the item number.(0: RESET, 1: STATUS)
   OR
   Press Volume button to select item number and press Right Soft button to move cursor.

```
RESET :WLI :1
RESET NOW ?  NO
```

3. Select the card type.(WLI or WBS)

```
RESET :WLI :1
RESET NOW ?  NO
```

4. Select the card number. If you press ANS/RLS button, all WLI(or All WBS) will be selected.

```
RESET :WLI :2
RESET NOW ?  NO
```

5. Press the Soft button, or press [1] to select YES, and the WBS will be initialized.

```
RESET :WLI :2
RESET NOW ?  NO
```

6. To verify the STATUS of WLI or WBS, select 1 to step 2.

```
STATUS: WLI
C1S1  OFF   OFF
```

```
STATUS: CWBS:01->
Y N N N N N N N
```

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 848	WLAN IP/MAC LIST
MMC 849	WLAN CONFIGURATION

[848] WLAN IP/MAC LIST

This MMC is used when viewing the IP list assigned to WLAN, or when creating a new IP list. This IP Address is automatically assigned to WIP-5000M during new registration procedure. If the IP Address is assigned already, the assigned terminal number will be shown in the USED field.
Also, the MMC is used to set MAC addresses in the data terminal in order to use the wireless LAN.(Not implemented yet)

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1. Press the Transfer button, and enter 848.	IP:001 USED: 0. 0. 0. 0
2. Select the menu.(0: IP LIST, 1: MAC LIST)	IP:001 USED: 0. 0. 0. 0
3. Select the table number.	IP:001 USED: 0. 0. 0. 0
4. Enter the IP ADDRESS.	IP:001 USED: 168. 0. 0. 0
5. Numbers next to USED indicates the terminal number from which the IP ADDRESS was Assigned.	IP:001 USED:3301 168.219.149. 5

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 847	WLAN RESET AND STATUS CHECK
MMC 849	WLAN CONFIGURATION

[849] WLAN CONFIGURATION

This MMC is used to set the WLAN configuration.

Parameter	Description
REGISTER VoWLAN	Enable or disable the register of new WIP-500M mobile phone.
WIP REGIST CLEAR	Used to clear the registration of WIP. The FORCED mode clearing is used when the device is not connected normally(ex: device broken) and the NORMAL mode clearing can be used in normal cases.
WBS WEP SERVICE	Enable or disable the WEP(Wired Equivalent Privacy) feature .
WEP KEY	Assign the WEP key(13 characters only).
STATIC WBS IP	Select the use of Static WBS IP.
STATIC WIP IP	Select the use of Static WIP IP.
SELECT AP TYPE	Select the AP type of the system. Combo AP and Basic AP cannot be used in simultaneously. After change the AP type, the system must be restarted.

CONDITIONS

NONE

DEFAULT DATA

REGISTER VoWLAN: DISABLE
WIP REGIST CLEAR: DISABLE
WBS WEP SERVICE: DISABLE
WEP KEY: None
STATIC WBS IP: DISABLE
STATIC WIP IP: DISABLE
SELECT AP TYPE: BASIC AP(DEPEND ON COUNTRY)

ACTION / DISPLAY

1. Press the Transfer button, and press 849.

```
ENTER PASSWORD
_
```

2. Enter the PASSCODE to activate the register. (This PASSCODE is assigned in MMC 202 WLAN REGST)

```
ENTER PASSCODE
****
```

3. Select ENABLE to register the terminal to the REGISTER WLAN.

```
REGISTER VoWLAN
DISABLE
```

4. Select the WIP REGIST CLEAR to clear the register status for each terminal.

```
WIP REGIST CLEAR
3301:FORCED
```

5. Select the WEP KEY setting when ENCRYPTION is selected.

```
WBS WEP SERVICE
DISABLE
```

6. Enter WEP KEY values when the WBS WEP SERVICE is enabled.(13 characters only)

```
WEP KEY
```

7. Select ENABLE to use the static WBS IP.

```
STATIC WBS IP
DISABLE
```

8. Select ENABLE to use the static WIP IP.

```
STATIC WIP IP
DISABLE
```

9. Select AP TYPE of the system. If you change the AP type, the system must be restarted.

```
SELECT AP TYPE
COMBO AP
```

```
SELECT AP TYPE
RESET SYSTEM?NO
```

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 847	WLAN RESET AND STATUS CHECK
MMC 848	WLAN IP/MAC LIST

[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

CONDITIONS

NONE

DEFAULT DATA

NONE

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
```

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)

No	Option	Description
0	VIEW ALARM	View alarm buffer
1	OVERFLOW CONTROL	Determines buffer control when buffer is full. 0 OVERWRITTEN: When buffer is full, the oldest entry in buffer overwritten.(Default) 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.


NOTE

ALARM CODE DEFINITION

See Alarm Code Definition on MMC 852.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

DISPLAY

1. Press Transfer button and enter 851.
   Display shows:

```
SYS ALARM REPORT
VIEW ALARMS
```

2. Enter desired option.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
SYS ALARM REPORT
VIEW ALARMS
```

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.

```
[00] 02/18 14:30
MNF02 C1-S02
```

4. Press Volume button arrows to scroll through other alarms.
   OR
   Press Right Soft button to return step 2.

```
SYS ALARM REPORT
VIEW ALARMS
```

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

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.


NOTE

Alarm Notification

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:

No	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 MMC) 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

No	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
	MJC--	**DSP Error**	**System DSP Fault**
16	MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data = DTMF Receiver DSP position
17	MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources. Alarm data = TONE Receiver DSP position.
25	MJC10	AA-DTMF Fault	An abnormal fault reported in one of the AA card DTMF resources. Alarm data = Cabinet, Slot, Port(Cx-Syy-Pzz)
26	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)
27	MJC12	E911 Restart	The E911 card has restarted. Alarm data = Cabinet, Slot(Cx-Syy)
28	MJC13	E911 Block	The E911 card has blocked because the system detects the card does not work correctly. Alarm data = Cabinet, Slot(Cx-Syy)
31	MJC16	WLI Restart	The WLI card has restarted. Alarm data = Cabinet, Slot(Cx-Syy)
32	MJC17	WLI Block	The WLI card has blocked because the system detects the card does not work correctly. Alarm data = Cabinet, Slot(Cx-Syy)

No	Code	Alarm Name	Definition
	MJD--	**DTRK Error**	**ISDN or E1 card Fault**
33	MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
34	MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
35	MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm Data = Cabinet, Slot(Cx-Syy)
36	MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm Data = Cabinet, Slot(Cx-Syy)
37	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm Data = Cabinet, Slot(Cx-Syy)
38	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm Data = Cabinet, Slot(Cx-Syy)
39	MJD07	Blue Alarm	All one's being transmitted on facility on TEPRI card. Alarm Data = Cabinet, Slot(Cx-Syy)
40	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm Data = Cabinet, Slot(Cx-Syy)
41	MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds $1x10^{-6}$ errors. Note: $1x10^{-6}$ 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)
42	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)
43	MJD11	SPID Init Error	The BRI received an error from the network Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
44	MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
45	MJD13	LPBK Error	Internal on demand loopback failed. Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
46	MJD14	LPBK Recovery	Internal on demand loopback test passed. Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
47	MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
48	MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm Data = Cabinet, Slot, Channel(Cx-Syy-czz)
49	MJD17	RAM Error	An error has occurred in the TEPRI or BRI card RAM. Alarm Data = Cabinet, Slot(Cx-Syy)

No	Code	Alarm Name	Definition
	MJD--	**DTRK Error**	**ISDN or E1 card Fault**
50	MJD18	E1 Restart	The E1 card has restarted Alarm Data = Cabinet, Slot(Cx-Syy)
51	MJD19	PRI Restart	The PRI card has restarted Alarm Data = Cabinet, Slot(Cx-Syy)
52	MJD20	BRI Restart	The BRI card has restarted Alarm Data = Cabinet, Slot(Cx-Syy)
53	MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot(Cx-Syy)
54	MJD22	PCM Recovery	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot(Cx-Syy)
	MJE--	**MGI Error**	**MGI card Fault**
55	MJE01	MGI Restart	The MGI card has restarted Alarm Data = Cabinet, Slot(Cx-Syy)
56	MJE02	MGI Stop	The MGI card has stoped Alarm Data = Cabinet, Slot(Cx-Syy)
57	MJE03	MGI IP Duplicate	The MGI card IP address is duplicated Alarm Data = Cabinet, Slot(Cx-Syy)
58	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)
59	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)
60	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)
61	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)
62	MJE08	WBS Disconnect	Indicates the WBS is disconnected. Alarm Data = CWBS:xx or BWBS:xx
63	MJE09	WBS connect	Indicates the WBS is connected. Alarm Data = CWBS:xx or BWBS:xx

No	Code	Alarm Name	Definition
	MNF--	**Minor Error**	**Minor Fault with Alarm Buffer saving**
64	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)
65	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm Data = Cabinet, Slot(Cx-Syy)
66	MNF03	IPC Error	Inter processor communication error has occurred. Alarm Data = Cabinet-Slot(Cx-Syy)
67	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm Data = Cabinet, Slot, Port(Cx-Syy-Pzz)
68	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)
69	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm Data = Cabinet, Slot, Port(Cx-Syy-Pzz)
70	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. Alarm Data = Cabinet, Slot, Port(Cx-Syy-Pzz)
71	MNF08	SIO TxQ Over	SIO Tx Queue full error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
72	MNF09	SIO TxQ Under	SIO Tx Queue under error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
73	MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm Data = Cabinet, Slot(Cx-Syy)
74	MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm Data = Cabinet, Slot(Cx-Syy)
75	MNF12	SIO Out	IO port has lost DTR Alarm Data = SIO number(SIO: x)
76	MNF13	SIO In	IO port has regained DTR. Alarm Data = SIO 1 through 6
77	MNF14	TODC Error	Time of Day Clock in the MCP2 has erred.
78	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)
79	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)

No	Code	Alarm Name	Definition
80	MNF17	PSU Alarm Rec	A second PSU has been recognized when added after alarm condition of Alarm Data = Cabinet, Slot(Cx-Syy)
81	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)
82	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)
83	MNF20	PSUB Alarm	Indicates there are over 120 ports in a cabinet with two PSU. Alarm Data = Cabinet, Slot(Cx-Syy)
84	MNF21	DSS Alarm	System capacity of 64 button DSS modules has been exceeded.
85	MNF26	SIO RxQ Over	SIO Tx Queue full error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
86	MNF27	SIO RxQ Under	SIO Tx Queue under error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
87	MNF28	LAN Printer Err	LAN printer error has occurred in the MCP2. Alarm Data = Data Type(SMDR)
88	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**
89	MNG01	Phone Disconnect	Indicates the Phone is disconnected. Alarm Data = Tel number or Cx-Syy-Pzz
90	MNG02	Phone Connect	Indicates the Phone is connected. Alarm Data = Tel number or Cx-Syy-Pzz
91	MNG03	Off Hook Alarm	Indicates the Extension is Off Hook Alarm time over. Alarm Data = Tel number or Cx-Syy-Pzz
92	MNG04	On Hook	Indicates the Off Hook Alarm Extension is on hook. Alarm Data = Tel number or Cx-Syy-Pzz
93	MNG05	MGI Packet Loss	Indicates the MGI connection RTP packet loss is more than 10 %. Alarm Data = Tel number or Cx-Syy-Pzz
94	MNG06	MGI Packet Delay	Indicates the MGI connection RTP packet delay is more than 500 ms. Alarm Data = Tel number or Cx-Syy-Pzz

DEFAULT DATA

ALL OFF

ACTION	DISPLAY
1. Press Transfer button and enter 852. Display shows:	01:MJA01 ACT:OFF POR Restart
2. Enter desired Alarm Display number.(e.g., 64) OR Press the Volume buttons to select desired option and press Right Soft button and to advance the cursor.	64:MNF01 ACT:OFF Card Out
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 Right Soft button to save and return step 2.	64:MNF01 ACT:ON Card Out
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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

No	Option	Description
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

DTMFR/CID/R2MFC DSP

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.

CONDITIONS

NONE

DEFAULT DATA

ALL IDLE

ACTION	DISPLAY
1. Press Transfer button and enter 853. Display shows busy functions.	MAINTENANCE BUSY TRK :NONE→
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.	MAINTENANCE BUSY STN :NONE→
3. Enter station number. OR Press Volume button to make selection and press Right Soft button to move cursor.	MAINTENANCE BUSY STN :201→IDLE
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.	MAINTENANCE BUSY STN :201→BUSY
6. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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	DISPLAY
1. Press Transfer button and enter 854. Display shows:	DIAGNOSTIC TIME SUN: :
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.	DIAGNOSTIC TIME SUN:_ :
3. Enter military time hour via the dial pad. Cursor will advance to next entry.	DIAGNOSTIC TIME SUN:23:_
4. Enter military time minutes via the dial pad. Data saved and cursor will advance to step 2.	DIAGNOSTIC TIME SUN:23:30
5. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

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

Option	Description
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

Option	Description
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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 855.
   Display shows:

   DISPLAY
   ```
   SYSTEM OPTIONS
   MCP D-BD 1 :ESM
   ```

2. Press Volume button to view options.

   ```
   SYSTEM OPTIONS
   MCP D-BD 2 :IPM
   ```

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

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 unauthorized 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:

Type	Description
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.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 856.
   Display shows:

   DISPLAY
   ```
   (1) 11/22 11:03→
   201 :11/22 11:27
   ```

2. Enter index number.(e.g., 3)
   OR
   Press Volume button to scroll.

   ```
   (3) 11/22 12:30→
   203 :11/22 13:30
   ```

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

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


NOTE

Alarm Code Definition

See Alarm Code Definition on MMC 852

CONDITIONS

NONE

DEFAULT DATA

All OFF

ACTION

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.

DISPLAY

```
01:MJA01 ACT:OFF
POR Restart
```

```
02:MJA02 ACT:OFF
Soft Restart
```

```
02:MJA02 ACT:ON
Soft Restart
```

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

No	Option	Description
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	C1 SCP2 CARD	Shows the EPLD version of SCP2 card
06	C1 SCP1	Shows the Daughter Board and EPLD version #1 of SCP
07	C1 SCP2	Shows the Daughter Board and EPLD version #2 of SCP
08	C1 SCP3	Shows the Daughter Board and EPLD version #3 of SCP
09	C2 M-BOARD	Shows the Mother Board EPLD version of Cabinet #2
10	C2 LCP2 CARD	Shows the EPLD version of Cabinet #2 LCP2 card
11	C2 LCP1	Shows the Daughter Board and EPLD version #1 of Cabinet #2 LCP
12	C2 LCP2	Shows the Daughter Board and EPLD version #2 of Cabinet #2 LCP
13	C2 LCP3	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	C3 LCP2 CARD	Shows the EPLD version of Cabinet #3 LCP2 card
16	C3 LCP1	Shows the Daughter Board and EPLD version #1 of Cabinet #3 LCP
17	C3 LCP2	Shows the Daughter Board and EPLD version #2 of Cabinet #3 LCP
18	C3 LCP3	Shows the Daughter Board and EPLD version #3 of Cabinet #3 LCP

OfficeServ 500-M System

No	Option	Description
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

ACTION

DISPLAY

1. Press Transfer button and enter 859.
   Display shows:

```
H/W EPLD VERSION
MCP CARD   :V01
```

2. Enter the option number.
   OR
   Press Volume button to scroll.

```
H/W EPLD VERSION
MCP B3 :LAN :V05
```

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

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.

CONDITIONS

To use this information, a special PC application is needed.

DEFAULT DATA

UCD VIEW SERVICE: DISABLE
SENT AGENT STATE: NO

ACTION	DISPLAY
1. Press Transfer button and enter 860. Display shows:	UCD VIEW SERVICE DISABLE
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.	SEND AGENT STATE YES
3. Enter YES or NO.(1, 0) OR Press Volume button to select and press Right Soft button to store.	SEND AGENT STATE NO
4. Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

MMC 804 SYSTEM I/O PARAMETER

[861] SYSTEM OPTIONS

This MMC is set to system miscellaneous options.

No	Option	Description
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).
2	IDLE WHEN ENBLOC	Decides the state of Large LCD Phone treated as idle or busy when the user of Large LCD Phone is dialling in ENBLOCK mode.
3	2 LINE ENBLOCK	Decides the usage of ENBLOCK mode for 2 line LCD Phone with navigation buttons

CONDITIONS

NONE

DEFAULT DATA

AUTO UPDATE TIME: DISABLE
SYSTEM SPEED BIN: MAX 500
IDLE WHEN ENBLOC: DISABLE
2 LINE ENBLOCK: DISABLE

ACTION	DISPLAY
1. Press Transfer button and enter 861. Display shows:	AUTO UPDATE TIME DISABLE
2. Enter the option number. OR Press Volume button to make selection and press Right Soft button to move cursor.	AUTO UPDATE TIME DISABLE
3. Enter 1 or 0 for option data select. OR Press Volume button to make selection and press Right Soft button to move cursor.	AUTO UPDATE TIME ENABLE

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

RELATED ITEMS

MMC 505	ASSIGN TIME AND DATE
MMC 606	ASSIGN 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] INITIALIZE PORT

This program allows you to initialize items related to call process or DB for specific station or Trunk line. This will return the port to default condition.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION

1. Press Transfer button and enter 890.
   Display shows:

   DISPLAY:
   ```
   [201] CALL CLEAR
   ARE YOU SURE?NO
   ```

2. Enter the station or trunk line.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   [202] CALL CLEAR
   ARE YOU SURE?NO
   ```

3. Enter 0 to call clear only or 1 to initialize port.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   [202] DB INITIAL
   ARE YOU SURE?NO
   ```

4. Enter 1 for YES or 0 for NO.
   OR
   Press Volume button to make selection and press Right Soft button to save and return step 2.

   DISPLAY:
   ```
   [202] DB INITIAL
   ARE YOU SURE?YES
   ```

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

RELATED ITEMS

NONE

ANNEX A. ABBREVIATION

A

AAA	Authentication, Authorization and Accounting
AC	Alternating Current
ACD	Automatic Call Distribution
ALG	Application Level Gateway
AME	Answer Machine Emulation
AMI	Alternate Mark Inversion
AOM	Add On Module
AP	Access Point

B

BRI	Basic Rate Interface

C

CA	Call Agent
CCBS	Call Completion to Busy Subscriber
CCNR	Cell Completion on No Reply
CID	Caller Identification
CLI	Call Line Identification
COM	Communication
COS	Class Of Service
CPLD	Complex Programmable Logic Device
CRC	Cyclic Redundancy Code
CR Mode	Constant Resistance Mode
CSU	Communication Service Unit
CTI	Computer Telephony Integration

D

DASL	Digital Adapter Subscriber Loops
DID	Direct Inward Dialling
DECT	Digital Enhanced Cordless Telecommunications
DGP	Digital Phone

DHCP	Dynamic Host Configuration Protocol
DLI	Digital Line Interface
DND	Do Not Disturb
DPIM	Door Phone Interface Module
DSP	Digital Signal Processor
DSU	Data Service Unit
DTMF	Dual Tone Multi Frequency

E

E/M	Ear and Mouth
EMI	Electro-Magnetic Interference
ESM	Expanded Switch Module

G

GARP	Generic Attribute Registration Protocol
GK	Gatekeeper
GVRP	GARP VLAN Registration Protocol

H

HDLC	High level Data Link Control
HLR	Home Location Register
HTML	Hypertext Markup Language
HTTP	Hypertext Transfer Protocol

I

ID	Identification
IDS	Intrusion Detection System
IGMP	Internet Group Management Protocol
IMAP	Internet Messaging Access Protocol
IN-SCP	Intelligent Network Service Control Point
IOM	Input/Output Module
IP	Internet Protocol
IPC	Inter Processor Communication
IPDC	Internet Protocol Device Control
IPM	Inter Processor Communications And Memory Module
IP-SCP	Internet Protocol Service Control Point
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
ITM	IP Telephony Module
ITP	IP Telephone

K

KDB	Keyset Daughter Board

L

LAN	Local Area Network
LCD	Liquid Crystal Display
LCP	Local Control Processor
LED	Light Emitting Diode
LIM	LAN Interface Module

M

MCP	Main Control Processor
MDF	Main Distribution Frame
MEGACO	Media Gateway Control
MFM	Multi Frequency Module
MG	Media Gateway
MGC	Media Gateway Controller
MGI	Media Gateway Interface
MGCP	Media Gateway Control Protocol
MISC	Miscellaneous Function Module
MMC	Man Machine Communication
MWSLI	Message Waiting Single Line Interface

N

NAT	Network Address Translation
NMS	Network Management System

O

OPX	Off Premises eXtension

P

PAT	Port Address Translation
PBA	Printed circuit Board Assembly
PCM	Pulse Code Modulation
PCMMC	PC based Man Machine Communication
PLL	Phase Locking Loop
POP3	Post Office Protocol version 3
PPP	Point to Point Protocol

PPPoE	Point to Point Protocol over Ethernet
PRI	Primary Rate Interface
PRS	Polarity Reverse Detection
PSTN	Public Switched Telephone Network
PSU	Power Supply Unit

Q

Q-SIG	Q-Signaling
QoS	Quality of Service

R

RCM	R2/CID Module
RIP	Routing Information Protocol
RTCP	Real-time Transmission Control Protocol
RTP	Real-time Transmission Protocol

S

SCM	Switch and Conference Module
SCP	Signal Control Processor
SDP	Session Description Protocol
SG	Signaling Gateway
SGCP	Simple Gateway Control Protocol
SIGTRAN	Signaling Transport
SIO	Serial Input / Output
SIP	Session Initiation Protocol
SLI	Single Line Interface
SLT	Single Line Telephone
SMDR	Station Message Detail Recording
SMTP	Simple Mail Transfer Protocol
SoL	Server optimized Linux
STA	Spanning Tree Algorithm
STP	Signaling Transfer Point
SVMi	Samsung Voice Mail integrated

T

TAPI	Telephony Application Programming Interface
TCAP	Transmission Control Application Part
TCP	Transmission Control Protocol
TEPRI	T1E1PRI
TRK	Trunk

U

UA	User Agent
UAC	User Agent Client
UART	Universal Asynchronous Receiver and Transmitter
UAS	User Agent Server
UCD	Uniform Call Distribution
UDP	User Datagram Protocol
UPS	Uninterruptible Power System
USB	Universal Serial Bus

V

VDIAL	Voice Dial
VLAN	Virtual LAN
VoIP	Voice over Internet Protocol
VPM	Voice Processing Module
VPN	Virtual Private Network

W

WAN	Wide Area Network
WBS	Wireless Base Station
WIM	WAN Interface Module
WLI	Wireless LAN Interface

X

xDSL	x-Digital Subscriber Line

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OfficeServ 500

Programming Guide

SAMSUNG ELECTRONICS