

OfficeServ 7100 Call Server Programming Guide



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INTRODUCTION

Purpose

This guide describes a programming method for the OfficeServ 7100 system users. OfficeServ 7100 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.

Audience

This guide is intended for users who program the MMC of the OfficeServ 7100 system.

Guide Contents

This guide is composed of two Chapters and Abbreviation. 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 in detail how to use each MMC program. MMCs are listed in numerical order.

ABBREVIATION

Acronyms frequently used in this document are described.

Conventions

The following types of paragraphs contain special information that must be carefully read and thoroughly understood. Such information may or may not be enclosed in a rectangular box, separating it from the main text, but is always preceded by an icon and/or a bold title.



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.

Console Screen Output

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

Reference Guides

The following guides are also provided with your OfficeServ 7100 system.

OfficeServ 7100 Installation Guide

Describes the installation procedures and specifications for the OfficeServ 7100 system.

OfficeServ 7100 General Description

Describes the business features available with the OfficeServ 7100 system.

WIP-5000M User Guide

This is a user's guide for the WIP-5000M mobile telephone that is designed to use the wireless LAN provided by the OfficeServ 7100 system.

Revision History

EDITION	DATE OF ISSUE	REMARKS
00	02. 2007.	First Edition



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SAFETY CONCERNS

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

Symbols

**Caution**

Indication of a general caution

**Restriction**

Indication for prohibiting an action for a product

**Instruction**

Indication for commanding a specifically required action

WARNING



Before using the Auto Record feature

Before using the Auto Record feature, make sure that you are not violating any laws. Samsung is not responsible for any illegal use of this feature.

CAUTION



CALL COST(MMC 508)

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.



When changing the MMC [506], [807] and [812]

MMC [506], [510], [807] and [812] should not be changed from the default levels without the assistance of the local SAMSUNG distributor.



Compliance with the National Version Standards

For the national version, OfficeServ 7100 is designed to comply with the standards of the corresponding country. Therefore, if you need to use MMC 812 (Set Country Code), please consult your dealer for advice.

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ABBREVIATION

I

A ~ C	I
D ~ I	II
K ~ N	III
O ~ S	IV
T ~ V	V
W ~ X	VI

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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 means the changes on the data that is used for the system operation program. The MMC 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. The technician level programming and the operator level programming require a passcode for each level and the station level programming does not require a passcode.



NOTE

Program List by User's Level

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

1.2 Digital Phones

You need a digital display(LCD) phone in order to carry out programming. These include DCS Euro keysets and DS/ITP 5000 Series keysets, and some examples are described in the following sections. All use special programming buttons to select options on the display screen.

1.2.1 DCS Euro Phones

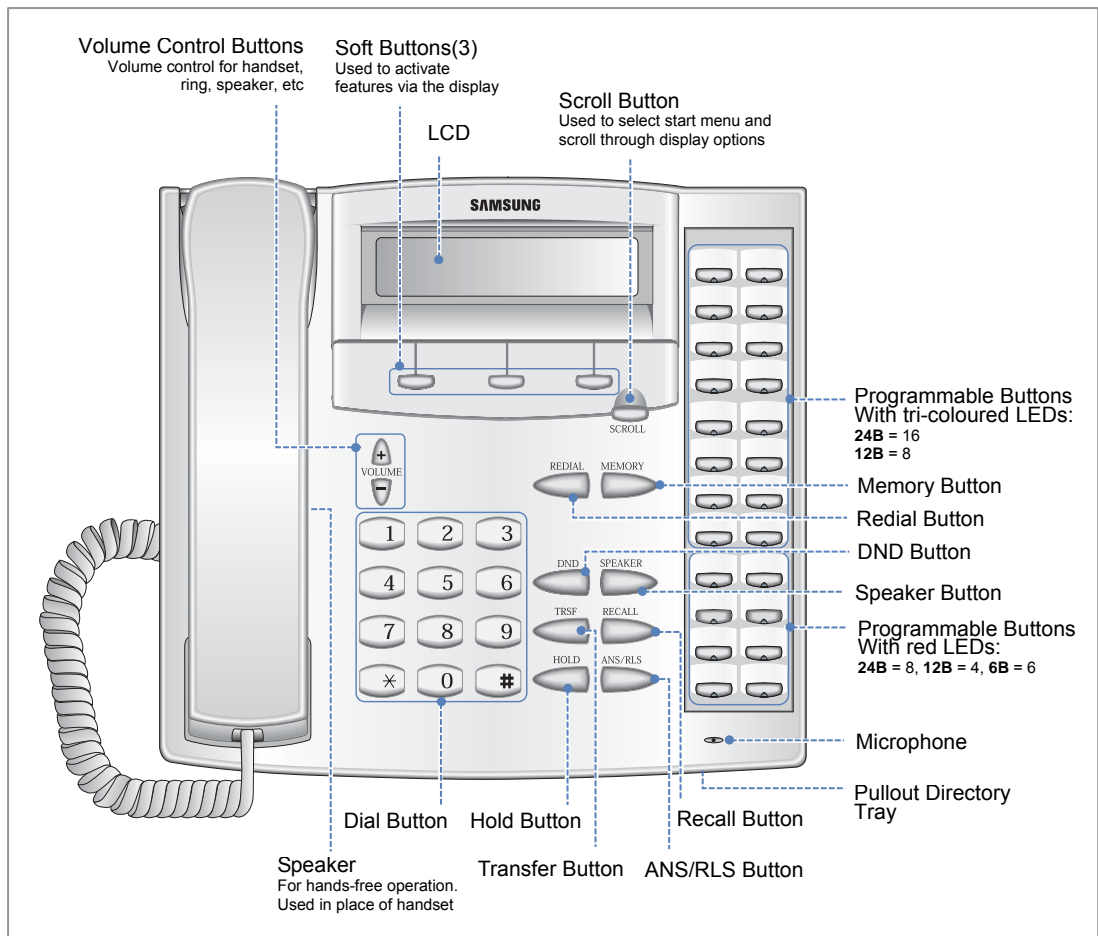


Figure 1.1 24B LCD DCS Euro Phone

24B LCD phone has 24 programmable buttons: left column is numbered 1-12 from the top; right column is numbered 13-24 from the top. **Buttons 19 to 24 are special buttons ‘A–F’ used for programming.**

12B LCD phone has 12 programmable buttons numbered 1-12 from top to bottom. **Buttons 7 to 12 are special buttons ‘A–F’ used for programming.**

6B LCD phone has 6 programmable buttons: left column is numbered 1-3 from the top; right column is numbered 4-6 from the top. **Buttons 1 to 3 are special buttons ‘A–C’ and buttons 4 to 6 are special buttons ‘D–F’ used for programming.**

The special buttons are referred to within the relevant MMCs. For example, button ‘A’ is used to toggle between uppercase and lowercase characters when entering text on the display.

All programmable buttons can be programmed with functions as required.

The left soft button is used to save data or to move the cursor in the LCD display to the left. The right soft button is used to save data or to move the cursor in the display to the right.

Other buttons also have special functions when in programming mode:

- ANS/RLS Button: Select ‘ALL’ option for making changes to all—rather than individual—stations/trunks/etc.
- Hold Button: Clear an entry in the display.
- Volume Buttons: Scroll through display options.
- Transfer Button: Enter MMC programming mode or store data and exit programming mode.
- Speaker Button: Store data and advance to next MMC.

1.2.2 DS/ITP-5000 Series Phones

These include the DS-5038S, DS/ITP-5021L, DS/ITP-5021D, DS/ITP-5014D, DS-5014S, and DS-5007S. Examples are shown in the figures below.

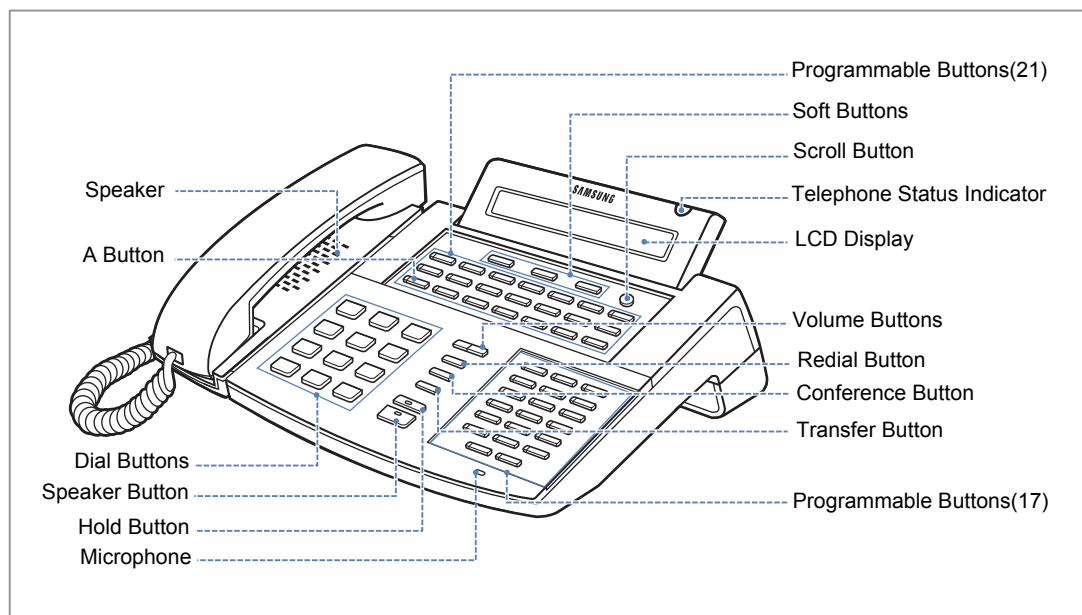


Figure 1.2 DS-5038S Phone

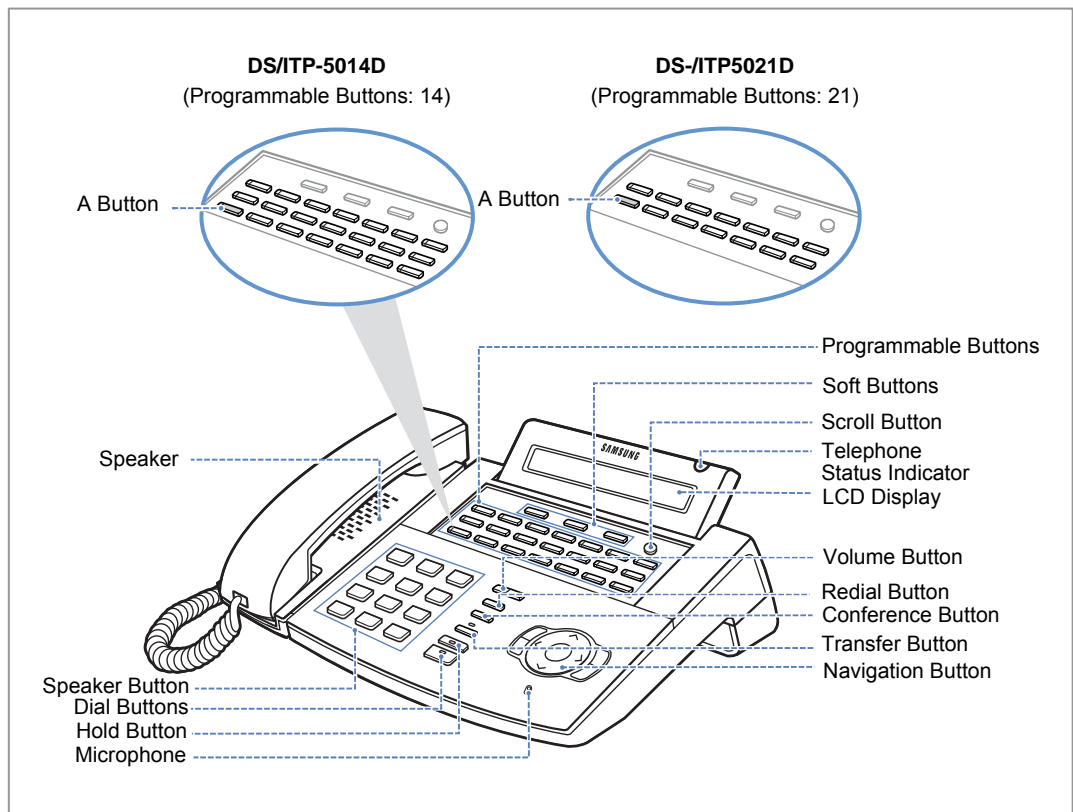


Figure 1.3 DS/ITP-5014D/5021D Phone

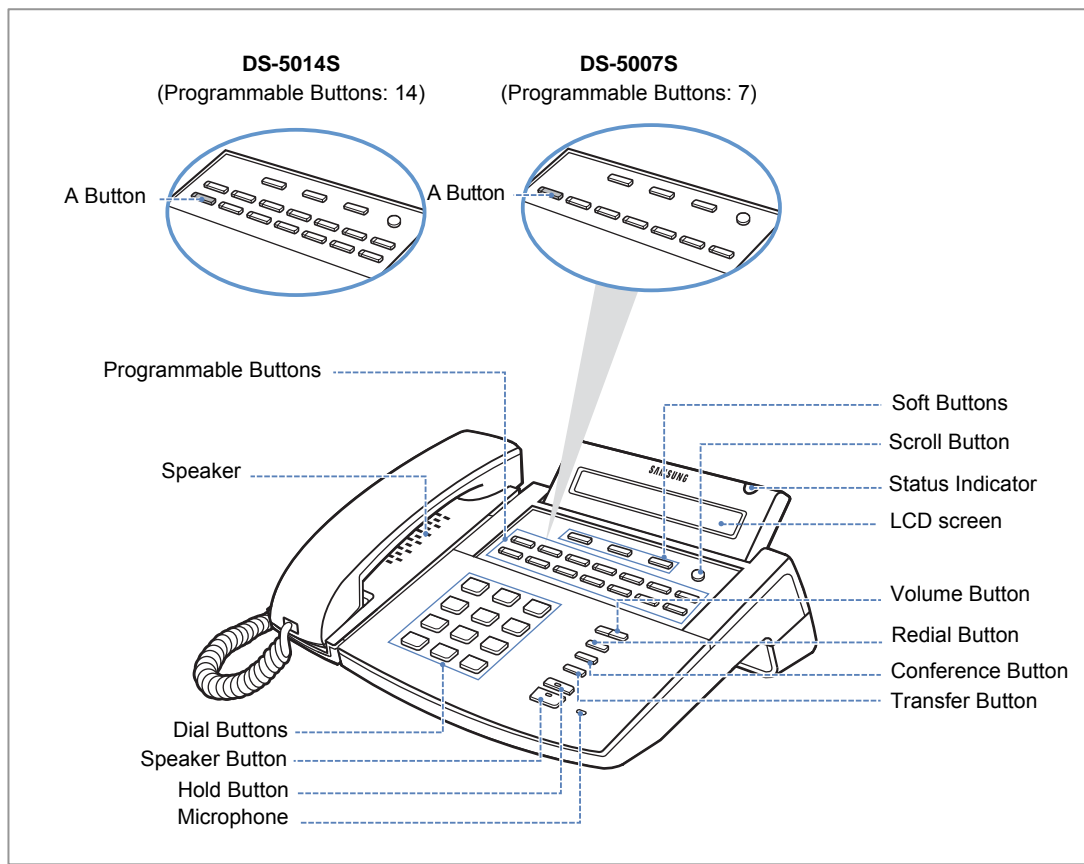


Figure 1.4 DS-5014S/5007S Phone

The DS/ITP-5000 series phones have 38, 21, 14 or 7 programmable buttons that can be programmed with functions. Also, there are several other function buttons: the dial buttons, the volume control buttons, the redial button that allows you to redial the last phone number dialed, the conference button for setting up conference calls, the transfer button used to transfer a call to another station, the hold button to hold a call, the speaker button, and the navigation buttons for easy selection of phone options and menus.

The LCD displays the station status and various other kinds of information. Using three colors (red, green, and yellow) the station status indicator displays the current status of station.

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

- Volume Buttons: Scroll through items in the display.
- Redial Button: Select 'ALL' option for making changes to all, rather than individual, stations/trunks/etc.
- Soft Buttons: Save data or move the cursor left and right.
- Speaker Button: Save data and proceed to the next program.
- Hold Button: Erase the previously entered item.
- A Button: Select uppercase or lowercase text.
- Transfer Button: Enter the programming mode.



NOTE

Using large LCD Phones

Large LCD phones(DS/ITP-5012L) do not have programmable buttons. Instead, they display programming functions on the LCD to be selected via the selection buttons. Refer to your keyset user guide for more information.

1.3 Cautions in Programming

- Programming can be done only while the handset is placed on the phone in idle state.
- Full programming can be done on any digital LCD phone.
- Only station level programming is allowed on a phone that does not have an LCD display.
- If the LCD displays an 'INVALID DATA' message while programming, reenter the correct data.
- If no button is pressed for a certain period of time during programming (default is 60 seconds), the phone returns to the idle state from programming mode.
- Programming mode halts if the handset is picked up or the Transfer button is pressed or the phone is unplugged. Any data previously entered in the display is saved.

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.

Table 1.1 Station Level Programming list

MMC No.	MMC Name
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 OPTIONS
MMC: 121	PHONE LANGUAGE
MMC: 122	NEWS DISPLAY SPEED
MMC: 125	EXECUTIVE STATE
MMC: 199	SHOW LICENSE

1.4.2 Operator Level Programming

A 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:

Table 1.2 System Related MMC list

MMC No.	MMC Name
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: 217	TRAFFIC REPORT OPTION
MMC: 219	RELAY TYPE
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:

Table 1.3 Station Related MMC list

MMC No.	MMC Name
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 STATION USABLE
MMC: 317	ASSIGN STATION/STATION USE
MMC: 318	DISTINCTIVE RINGING
MMC: 319	BRANCH GROUP
MMC: 320	PRESET FORWARD NO ANSWER
MMC: 323	CALLING PARTY NUMBER
MMC: 326	RBT MESSAGE

1.4.2.3 Trunk Related MMC

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

Table 1.4 Trunk Related MMC list

MMC No.	MMC Name
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: 412	ASSIGN TRUNK SIGNAL
MMC: 414	MPD/PRS SIGNAL
MMC: 415	REPORT TRUNK ABANDON DATA
MMC: 417	E1/PRI CRC4
MMC: 418	BRI & 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	CID TRUNKS
MMC: 426	TRUNK GAIN CONTROL
MMC: 428	ASSIGN TRUNK/TRUNK USE
MMC: 432	SET H-TRK
MMC: 433	COST RATE
MMC: 434	CONNECTION STATUS
MMC: 436	TRUNK TMC GAIN
MMCL 437	16TRK 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:

Table 1.5 Timer and Tone Related MMC list

MMC No.	MMC Name
MMC: 500	SYSTEM-WIDE COUNTERS
MMC: 501	SYSTEM TIMERS
MMC: 502	STATION-WIDE TIMERS
MMC: 503	TRUNK-WIDE TIMERS
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	DAYLIGHT ASSIGNMENT

1.4.2.5 Group Related MMC

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

Table 1.6 Group Related MMC list

MMC No.	MMC Name
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

Table 1.6 Group Related MMC list(continued)

MMC No.	MMC Name
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:

Table 1.7 Tables, Codes, AA, DECT and VM MMC list

MMC No.	MMC Name
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 OPTION
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

Table 1.7 Tables, Codes, AA, DECT and VM MMC list(continued)

MMC No.	MMC Name
MMC: 727	SYSTEM VERSION DISPLAY
MMC: 728	CID TRANSLATION TABLE
MMC: 740	STATION PAIR
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	CLI RINGING
MMC: 760	ITEM COST TABLE
MMC: 761	TAX RATE SETUP
MMC: 762	ROOM COST RATE
MMC: 763	SECOND LCR

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.

Table 1.8 Technician Level Programming list

MMC No.	MMC Name
MMC: 800	ENABLE TECHNICIAN PROGRAM
MMC: 801	CHANGE TECHNICIAN PASSCODE
MMC: 802	CUSTOMER ACCESS MMC NUMBER
MMC: 804	SYS. I/O MODE
MMC: 805	TX LEVEL AND GAIN
MMC: 806	CARD PRE-INSTALL
MMC: 807	PHONE VOLUME CONTROL
MMC: 810	HALT PROCESSING
MMC: 811	RESET SYSTEM
MMC: 812	SET COUNTRY CODE
MMC: 813	HOTEL OPERATION
MMC: 815	CUSTOMER DATABASE COPY
MMC: 818	PROGRAM DOWNLOAD
MMC: 819	MC FILE CONTROL
MMC: 820	ASSIGN SYSTEM LINK ID
MMC: 821	ASSIGN NETWORK TRUNK
MMC: 822	VIRTUAL EXTENSION TYPE
MMC: 823	ASSIGN NETWORK COS
MMC: 824	NETWORK DIAL TRANSLATION
MMC: 825	ASSIGN NETWORKING OPTIONS
MMC: 826	ASSIGN SYSTEM REFERENCE CLOCK
MMC: 829	LAN PRINTER PARAMETERS
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

Table 1.8 Technician Level Programming list(continued)

MMC No.	MMC Name
MMC: 837	SIP OPTIONS
MMC: 838	PRIVATE IP ADDRESSES
MMC: 839	SIP USER
MMC: 840	IP PHONE INFORMATION
MMC: 841	SYSTEM IP OPTIONS
MMC: 845	WLAN PARAMETERS
MMC: 846	WIP INFORMATION
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: 856	TECH PROGRAMMING LOGS
MMC: 857	VIRTUAL CABINET
MMC: 859	HARDWARE VERSION DISPLAY
MMC: 861	SYSTEM OPTIONS
MMC: 863	NODE INFO
MMC: 890	INITIALIZE PORT

1.5 Programming List by Name

This programming list is arranged alphabetically

Table 1.9 Alphabetically arranged Programming list

MMC Name	MMC No.
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 ADD ON MODULE	MMC: 209
ASSIGN BACKGROUND MUSIC SOURCE	MMC: 308
ASSIGN BOSS/SECRETARY	MMC: 303
ASSIGN COS CONTENTS	MMC: 701
ASSIGN DATE AND TIME	MMC: 505
ASSIGN DISA TRUNK	MMC: 410
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 OPTIONS	MMC: 825
ASSIGN OPERATOR GROUP	MMC: 600
ASSIGN REVIEW BLOCK	MMC: 608
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

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
ASSIGN SYSTEM LINK ID	MMC: 820
ASSIGN SYSTEM REFERENCE CLOCK	MMC: 826
ASSIGN SYSTEM SPEED DIAL	MMC: 705
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 VMMOH	MMC: 756
ASSIGN VM/AA PORT	MMC: 207
ASSIGN WILD CHARACTER	MMC: 704
AUTHORIZATION CODE	MMC: 707
AUTO RECORD	MMC: 752
BARGE-IN TYPE	MMC: 206
BRANCH GROUP	MMC: 319
BRI & PRI CARD RESTART	MMC: 418
BRI OPTIONS	MMC: 419
BSI RF CARRIER	MMC: 747
BRI S0 MAPPING	MMC: 424
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
CID TRUNKS	MMC: 425
CLI RINGING	MMC: 759
COMMON BELL CONTROL	MMC: 204
CONFERENCE GROUP	MMC: 118

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
CONFIRM OUTGOING CALL	MMC: 314
CONNECTION STATUS	MMC: 434
COPY COS CONTENTS	MMC: 700
COPY KEY PROGRAMMING	MMC: 720
COPY STATION USABLE	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
DAYLIGHT ASSIGNMENT	MMC: 515
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

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
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
ISDN SERVICE TYPE	MMC: 220
ITEM COST TABLE	MMC: 760
KEY EXTENDER	MMC: 107
LAN PRINTER PARAMETERS	MMC: 829
LARGE LCD OPTIONS	MMC: 120
LCR CLASS OF SERVICE	MMC: 310
LCR DIGIT TABLE	MMC: 710
LCR MODIFY DIGIT TABLE	MMC: 713
LCR ROUTE TABLE	MMC: 712
LCR TIME TABLE	MMC: 711
MAINTENANCE BUSY	MMC: 853
MGI DSP OPTIONS	MMC: 835
MGI GROUP	MMC: 615
MGI PARAMETERS	MMC: 831
MGI USER	MMC: 616
MPD/PRS SIGNAL	MMC: 414
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
NODE INFO	MMC: 863
OPEN CUSTOMER PROGRAMMING	MMC: 200
PHONE LANGUAGE	MMC: 121
PHONE RING TONE	MMC: 111
PHONE VOLUME	MMC: 114
PHONE VOLUME CONTROL	MMC: 807

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
PICKUP GROUPS	MMC: 302
PRESET FORWARD NO ANSWER	MMC: 320
PRI OPTIONS	MMC: 420
PRIVATE IP ADDRESSES	MMC: 838
PROGRAM DOWNLOAD	MMC: 818
PROGRAMMED STATION MESSAGE	MMC: 715
PULSE MAKE/BREAK RATIO	MMC: 504
RATE CALCULATION TABLE	MMC: 747
RBT MESSAGE	MMC: 326
RELAY TYPE	MMC: 219
REPORT TRUNK ABANDON DATA	MMC: 415
RESET SYSTEM	MMC: 811
ROOM COST RATE	MMC: 762
S/T MODE	MMC: 423
SAVE STATION KEY PROGRAMMING	MMC: 721
SECOND LCR	MMC: 763
SET ANSWER MODE	MMC: 103
SET COUNTRY CODE	MMC: 812
SET H-TRK	MMC: 432
SET PROGRAMMED MESSAGE	MMC: 115
SHOW LICENSE	MMC: 199
SIP OPTIONS	MMC: 837
SIP USER	MMC: 839
SLI RING CADENCE	MMC: 510
MC 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

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
STATION-WIDE TIMERS	MMC: 502
SYSTEM ALARM ASSIGNMENTS	MMC: 852
SYSTEM KEY PROGRAMMING	MMC: 723
SYSTEM SIO MODE	MMC: 804
SYSTEM IP OPTIONS	MMC: 841
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
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 TIMERS	MMC: 503
TX LEVEL AND GAIN	MMC: 805
UCD AGENT ID	MMC: 717
UCD OPTIONS	MMC: 607
UK LCR OPTION	MMC: 716
VIEW MEMO NUMBER	MMC: 113

Table 1.9 Alphabetically arranged Programming list(continued)

MMC Name	MMC No.
VIRTUAL EXTENSION TYPE	MMC: 822
VM ALARM	MMC: 755
VM CARD RESTART	MMC: 750
VM DAY/NIGHT	MMC: 758
VM HALT	MMC: 754
VM IN/OUT	MMC: 757
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 PARAMETERS	MMC: 845
16TRK GAIN	MMC: 437

1.6 Program List by Function

This section describes MMC programs are classified by the function of the OfficeServ 7100.

1.6.1 Phone Function

The MMC programs related to the function of a phone that is connected with the OfficeServ 7100 are as follows:

Table 1.10 Phone Function Programming list

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:

Table 1.11 Networking Function Programming list

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 INFORMATIONES
MMC: 841	SYSTEM IP OPTIONS

1.6.3 VoIP Function

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

Table 1.12 VoIP Function Programming list

MMC Program No.	Program Description
MMC: 831	MGI PARAMETERS
MMC: 832	VOIP ACCESS CODE
MMC: 833	VoIP IP TABLE
MMC: 834	H.323 OPTIONS

Table 1.12 VoIP Function Programming list(continued)

MMC Program No.	Program Description
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:

Table 1.13 WLAN Function Programming list

MMC Program No.	Program Description
MMC: 845	WLAN PARAMETER
MMC: 846	WIP INFORMATION
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:

Table 1.14 LCR Function Programming list

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
MMC: 763	SECOND LCR

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:

Table 1.15 Auto Attendant/Voice Mail Function Programming list

MMC Program No.	Program Description
MMC: 207	ASSIGN VM/AA PORT
MMC: 215	VOICE DIALLER OPTIONS
MMC: 216	VOICE DIALLER ASSIGNMENTS
MMC: 730	AA RECORD GAIN
MMC: 731	AA RAM CLEAR
MMC: 732	AA TRANSLATION TABLE
MMC: 733	AA PLAN TABLE
MMC: 735	AA USE TABLE
MMC: 736	AUTO ATTENDANT MESSAGE MATCH
MMC: 739	ASSIGN AA MOH
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:

Table 1.16 Diagnosis Function Programming list

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: 890	INITIALIZE PORT

1.6.8 Hotel Function

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

Table 1.17 Hotel Function Programming list

MMC Program No.	Program Description
MMC: 221	TRAFFIC REPORT OPTION
MMC: 222	EXTENSION TYPE
MMC: 433	COST RATE
MMC: 513	HOTEL TIMER
MMC: 748	COSTING DIAL PLAN
MMC: 749	RATE CALCULATION TABLE
MMC: 760	ITEM COST TABLE
MMC: 761	TAX RATE SETUP
MMC: 762	ROOM COST RATE

CHAPTER 2. MMC Programming

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

2.1 Overview of Programming Procedure

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 will flash slow RED.
2	LOCKED ALL	The phone cannot make or receive any calls. When in this mode the Hold button 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:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and
press Right Soft button to move cursor.
OR
Select all stations.
- 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.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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

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

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

DISPLAY

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

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

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

RELATED ITEMS

MMC 100

STATION LOCK

[102] CALL FORWARD

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

Allows several types of call forwarding: FORWARD ALL, FORWARD NO ANSWER, FORWARD BUSY and FORWARD DND. There is an additional option, FORWARD BUSY/NO ANSWER, that allows both of these options to be activated at the same time, provided that destinations have been entered for both.

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 in 'FORWARD BUSY' and 'FORWARD NO ANSWER'. Thus, a destination number must be set for both 'FORWARD BUSY' and 'FORWARD NO ANSWER' before you can select the 'FORWARD BUSY/NO ANSWER' option.
- If forwarding is set to 'OFF' in MMC 701, ASSIGN COS CONTENTS, call forwarding cannot be set but can be cancelled.(Default: 'OFF')
- Both 'FORWARD' and 'EXT FWD' must be set to 'ON' in MMC 701, ASSIGN COS CONTENTS in order to forward a call to an external number. If only 'FORWARD' is set to 'ON', calls can only be forwarded to internal numbers.(Default: 'OFF')

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 102.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor.
- 3) Dial 0-5 to select forward type.
OR
Press Volume button to select forward type(e.g., 1)
and press Right Soft button to move cursor.
- 4) Dial destination number.(e.g., 201)
OR
Press Volume button to select destination and press
Right Soft button to move cursor.
- 5) Dial 1 for YES, 0 for NO.
OR
Press Volume button to select YES or NO
and press Right Soft button to return to step 2.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to
next MMC.

DISPLAY

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

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

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

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

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

RELATED ITEMS

MMC 301	ASSIGN STATION COS
MMC 501	SYSTEM TIMERS
MMC 502	STATION-WIDE 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 or SEND 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 Answered, but the phone will ring when the transfer is complete if you have not pressed the ANS/RLS or SEND 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 or SEND button or handset must be used to answer calls.



NOTE

To answer the C.O. call automatically

To answer the C.O. call automatically, set 'ON' the option 'AUTO ANS CO' in MMC 110.

DEFAULT DATA

ALL PHONES: RING

ACTION

- 1) Press Transfer button and enter 103.
Display shows:
- 2) Dial phone number.(e.g., 205)
OR
Press Volume button to select phone and
press Right Soft button to move cursor.
OR
Select all phones.
- 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.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to
next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 111

PHONE RING TONE

[104] STATION NAME

Allows the system administrator or technician to enter a name up to 11 characters to identify an individual station.

ENTERING 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 toggles between upper case and lower case.



NOTE

Volume Up/Down keys

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

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

The # button can be used for the following special characters:

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

DEFAULT DATA

NONE

ACTION

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

DISPLAY

[201] STN NAME

[205] STN NAME

—

[205] STN NAME

SAM SMITH

RELATED ITEMS

NONE

[105] STATION SPEED DIAL

Allows the system administrator or technician to assign phone numbers to a station's personal speed dial locations.

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 assigned phone 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

- 1) Press Transfer button and enter 105.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.

If selected station has no speed dial bins, the display will be as shown and a new station may be selected.
- 3) Dial location number.(e.g., 05)
OR
Press Volume button to select location and press Right Soft button to move cursor.

DISPLAY

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

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

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

```
[ 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 VOLUME DOWN arrow to step back.

- 5) Press 'F' button to access MMC 106(Station Speed Dial Name) to enter a name for speed dial.
OR
Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

[205] SPEED DIAL
05 : 9 - 4264100 _

RELATED ITEMS

MMC 106	STATION SPEED DIAL NAME
MMC 606	ASSIGN SPEED BLOCK

[106] STATION SPEED DIAL NAME

Allows a name up to 11 characters to be entered for each personal speed dial location. This allows speed dial numbers to be selected by name when the directory dial feature is used.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 106.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.

If selected station has no speed dial bins, the display will be as shown and a new station may be selected.
- 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.
- 4) Enter the location name using the procedure described above and press Right Soft button to return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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

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

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 stations. In addition, it allows the system administrator to assign key extenders to some keys to make a general access feature key more specific. The feature keys that can have extenders are listed below.

Key	Feature	Extender
AB	Absence	Extension number
ACC	Account code bin	000-999
BOSS	Boss and Secretary	1-4
CR	VM Call Record	Mailbox number
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
MS	Manual Signalling	Extension or station group number
PAGE	Page	0-9, *
PARK	Park Orbits	0-9
PMSG	Programmed Station Messaging	01-20
RP	Ring Plan	1-6
RSV	Room Status View(Hotel Application only)	1-5
SG	Station Group	Station group number
SP	UCD Supervisor	UCD group number
SPD	Speed Dial	Personal: 00-49 System: 500-999
VG	SVM-800 Group Message	Station group number
VM	VM Memo	Extension or station group number
VT	Voice Transfer	VM group number

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 107.
Display shows first station:
- 2) Dial station number.(e.g., 205)
OR
Use Volume button to scroll through station numbers and press Right Soft button to move the cursor.
- 3) 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.
- 4) Dial extender according to above table.
System will return to step 3.
- 5) Press Left Soft button to return to step 2.
OR
Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

```
[ 201 ] EXT (MAST)
01:CALL1→
```

```
[ 205 ] EXT (MAST)
01:CALL1→
```

```
[ 205 ] EXT (MAST)
18:DS→
```

```
[ 205 ] EXT (MAST)
18: DS→ DS__
```

```
[ 205 ] EXT (MAST)
18: DS→ DS207
```

**NOTE****When using the Right Soft button**

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.

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

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

No	Status	Description
0	PORT NO	Cabinet(1)/Slot(MP,1,2)/Port(1-12)
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 1, COS 2	COS(1-30) per Ring Plan(01-06)

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

ACTION

- 1) Press Transfer button and enter 108.
Display shows first station:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
- 3) Dial 0~9 to select station status type.
OR
Press Volume button to select status and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

```
[ 201 ] STN STATUS
PORT: C1- S1-P01
```

```
[ 205 ] STN STATUS
PORT: C1- S1-P05
```

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

RELATED ITEMS

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

[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:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
OR
Select all stations.
- 3) Dial 0~2 to select mode.
OR
Press Volume button to scroll through modes and press Right Soft button to move cursor.
- 4) Press Volume button to scroll through formats and press Right Soft button to return to step 2.

DISPLAY

[201] DAY FORMAT
COUNTRY: WESTERN

[205] DAY FORMAT
COUNTRY: WESTERN

[ALL] DAY FORMAT
COUNTRY: ?

[205] DAY FORMAT
COUNTRY: ORIENTAL

- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to
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 key, 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 or SEND and END buttons.
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 remaining 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 were answered 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.

(continued)

No	Feature	Default	Description
14	NOT CONT.CID	ON	When OFF, the Caller ID will be displayed for the duration of the call. When ON, displays timer for duration of call(if AUTO TIMER also set on).
15	AUTO ANS CO	OFF	When ON, keyset will automatically answer outside calls through the speakerphone. For this to work, the keyset must be set to Auto Answer mode in MMC 103. Calls to groups cannot be auto-answered.
16	ENBLOCK 2LCD	OFF	Enables Enbloc dialling for 2-Line LCD phones. This option only works when 2 LINE ENBLOCK option is enabled in MMC 861.
17	STN NO RING	OFF	When ON, no tones will be heard when phone rings.

DEFAULT DATA

SEE DESCRIPTION

SOME OPTIONS DEPEND ON COUNTRY

ACTION

- 1) Press Transfer button and enter 110.
Display shows:
- 2) Dial the station number.(e.g., 205)
OR
Press Volume button to select station and press the Right Soft button to move the cursor.
OR
Select all stations.
- 3) Dial option number from above list.(e.g., 03)
OR
Press Volume button to select option and press the Right Soft button to move the cursor.
- 4) Dial 1 for ON or 0 for OFF.
OR
Press Volume button to select ON or OFF.
Press Left or Right Soft button to return to step 2.
OR
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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

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. Eight ring tones are available. A short tone burst of the selection will be heard when the dial keypad is pressed.

DEFAULT DATA

FREQUENCY: 5

ACTION

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

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 114	PHONE VOLUME
MMC 318	DISTINCTIVE RINGING

[112] ALARM REMINDER CLOCK

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. 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. 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 Station 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 once only
2	DAILY	Alarm daily at set time

DEFAULT DATA

ALARMS ARE NOTSET

ACTION

- 1) Press Transfer button and enter 112.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button.
- 3) Dial 1~3 to select alarm.(e.g., 1)
OR
Press Volume button to select alarm and press Right Soft button.
- 4) Enter alarm time in 24-hour clock format.
(e.g., 1300 for 1pm)
- 5) Dial entry from above list for alarm type.(e.g., 2)
OR
Press Volume button to select alarm type and press Right Soft button to move cursor and return to step 2.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

[201] ALM CLK (1)
HHMM : →NOTSET

[205] ALM CLK (1)
HHMM : →NOTSET

[205] ALM CLK (1)
HHMM : →NOTSET

[205] ALM CLK (1)
HHMM : 1300 →NOTSET

[205] ALM CLK (1)
HHMM : 1300 →DAILY

RELATED ITEMS

MMC 116

ALARM AND MESSAGE

[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.

ENTER CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 113.
Display shows:
- 2) Dial the keyset number.(e.g., 205)
OR
Press VOLUME keys to select station and press RIGHT soft key to move cursor.
- 3) Dial memo number.(1–3)
OR
Press VOLUME keys to select and press RIGHT soft key to move cursor.
- 4) Enter memo via dial keypad.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

```
[ 205 ] VIEW MEMO  
1 : _
```

```
[ 205 ] VIEW MEMO  
1 : CALL TOM
```

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.

DEFAULT DATA

RING VOLUME: 4

OFF-HOOK RING VOLUME: 4

HANDSET VOLUME: 4

SPEAKER VOLUME: 13

BGM VOLUME: 13

PAGE VOLUME: 13

ACTION

- 1) Press Transfer button and enter 114.
Display shows:
- 2) Dial phone number.(e.g., 205)
- 3) Dial volume type.(e.g., 3)
OR
Press Volume button to select volume type and press RIGHT soft key to move cursor.
- 4) Press Volume button to select volume.(You will hear a brief tone for the volume you select.)
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 111

PHONE RING TONE

[115] SET PROGRAMMED MESSAGE

Allows the system administrator to set a programmed message at any or all display phones. There are 20 messages(01-20) available. The last five message can be modified by each phone user.

CONDITIONS

These messages are as set up in MMC 715, PROGRAMMED STATION MESSAGE.

DEFAULT DATA

NO MESSAGES SELECTED

ACTION

- 1) Press Transfer button and enter 115.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
OR
Select all stations.
- 3) Dial message number.(e.g., 05)
OR
Press Volume button to select message and press Right Soft button to return to step 2.
OR
Dial 00 to cancel an existing message.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 715	PROGRAMMED STATION 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. 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.

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

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

ALARMS ARE NOTSET

ACTION

- 1) Press Transfer button and enter 116.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
OR
Select all stations.
- 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.
- 4) Enter alarm time in 24-hour clock format.
(e.g., 1300 for 1pm)
Display will automatically advance to step 5.

DISPLAY

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

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

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

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

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

- 5) Dial valid entry from above list for alarm type.
(e.g., 2)

```
[205] ALM REM
HHMM:1300→DAILY
```

OR

Press Volume button to select alarm type and
press Right Soft button to move cursor.

- 6) Enter message and press Right Soft button to
return to step 2.

```
[205] ALM REM
Meeting
```

- 7) Press Transfer button to save and exit.

OR

Press Speaker button to save and advance to
next MMC.

RELATED ITEMS

MMC 112

ALARM REMINDER CLOCK

[117] EDIT TEXT MESSAGE

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

CONDITIONS

Only stations allowed to use text messages in MMC 611 can be selected here. Large LCD phones are automatically allowed.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

BLANK MESSAGE

ACTION

- 1) Press Transfer button and enter 117.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor.
- 3) Dial 01~10 to select message.
OR
Press Volume button to select message and press
Right Soft button to move cursor.
- 4) Enter message and press Right Soft button to return to
step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to
next MMC.

DISPLAY

```
[ 201 ] TXTMSG( 01 )  
Blank Message
```

```
[ 205 ] TXTMSG( 01 )  
Blank Message
```

```
[ 205 ] TXTMSG( 02 )  
Blank Message
```

```
[ 205 ] TXTMSG( 02 )  
SAME TIME
```

RELATED ITEMS

MMC 611

ALLOW TEXT MESSAGING

[118] CONFERENCE GROUP

Allows the system administrator or technician to set conference groups for any station. A station is allowed up to five conference groups, and each group can include 4 members (excluding the station itself). Names can be allocated to groups.

Conference members can be other stations, station groups, and external telephone numbers. (which must include the outgoing access code)

CONDITIONS

Only stations set to use conference groups in MMC 612 can be selected here. Large LCD phones are automatically set to use conference groups.

ENTERING CONFERENCE GROUP NAME

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 118.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press
Right Soft button to move cursor.
- 3) Dial 1~5 to select group.
OR
Press Volume button to select group and press.
Right Soft button to move cursor.
- 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.

DISPLAY

[201] GRP (1) NAME

[205] GRP (1) NAME

[205] GRP (1) NAME

[205] GRP (1) MBR 1
NONE

5) Enter conference member dial number and press Right Soft button to return to step 4.

[205] GRP (1) MBR1
9-2794296

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

RELATED ITEMS

MMC 612

ALLOW GROUP CONFERENCE

[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.

DEFAULT DATA

NUMBER FIRST

ACTION

- 1) Press Transfer button and enter 119.
Display shows first station:
- 2) Enter station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button.
OR
Select all stations.
- 3) Dial display option 0, 1 or 2.(e.g., 2)
OR
Press Volume button to select option and press Right or Left Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

[201] CID DISP
NUMBER FIRST

[205] CID DISP
NUMBER FIRST

[ALL] CID DISP
NUMBER FIRST

[205] CID DISP
NAME FIRST

RELATED ITEMS

MMC 312	ALLOW CALLER ID
MMC 608	ASSIGN REVIEW BLOCK
MMC 728	CID TRANSLATION TABLE

[120] LARGE LCD OPTIONS

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

No	Option	Description
0	IDLE DISPLAY	Sets whether to display 'CALENDAR' or 'INFORMATION' on LCD when idle.
1	DS KEY DISPLAY	Sets whether to display extension numbers or names for 'DS' keys on LCD.
2	DIAL MODE	Sets dial mode to ENBLOCK or OVERLAP.
3	CONV DISP	SOFT MENU FIRST If selected, features assigned to keys are displayed when SCREEN key is pressed while on a call. AOM KEY FIRST If selected, extensions assigned to keys are displayed when SCREEN key is pressed while on a call.
4	CALENDAR	Sets whether to display PREVIOUS screen or CALENDAR screen on LCD when idle.
5	AOM CURSOR	Sets cursor position on AOM menu screen.(01~99, PREVIOUS POSITION)

DEFAULT DATA

IDLE DISPLAY: CALENDAR

DS KEY DISPLAY: TEL NUMBER

DIAL MODE: ENBLOCK

ACTION

- 1) Press Transfer button and enter 120.
Display shows:
- 2) Enter station number.(e.g., 203)
OR
Press Volume button to scroll through stations and press Right Soft button to select a station.
OR
Select all stations and press the Right Soft button.
- 3) Dial the option number from above list.(e.g., 1)
OR
Press Volume button to select the option and press Right Soft button to move the cursor.

DISPLAY

[201] IDLE DISP
CALENDER

[203] IDLE DISP
CALENDER

[ALL] IDLE DISP
CALENDER

[203] DS KEY DSP
TEL NUMBER

- 4) Press Volume button to select display type and press Right Soft button.

[203] DS KEY DSP
EXT NAME

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

RELATED ITEMS

MMC 719 IDLE DISPLAY

[121] PHONE LANGUAGE

Allows the system administrator to assign an LCD display based on the 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
11	FINNISH

DEFAULT DATA

ENGLISH

ACTION

- 1) Press Transfer button and enter 121.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and use
Right Soft button to move cursor.
OR
Select all stations.
- 3) Dial 00~10 for language required.
OR
Press Volume button to make selection and
press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

[201] LANGUAGE
ENGLISH

[205] LANGUAGE
ENGLISH

[ALL] LANGUAGE
?

[205] LANGUAGE
GERMAN

RELATED ITEMS

NONE

[122] NEWS DISPLAY SPEED

Used to set the Smart News display speed between 0300 mS(fastest) and 1 sec(slowest).
This timer is related to the Smart News PC Application Package.

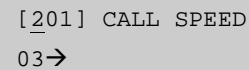
DEFAULT DATA

03(0300 mS)

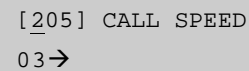
ACTION

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

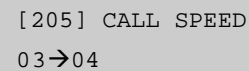
DISPLAY



[201] CALL SPEED
03->



[205] CALL SPEED
03->



[205] CALL SPEED
03->04

RELATED ITEMS

NONE

[125] EXECUTIVE STATE

Allows the system administrator or technician to set an executive station's options, as follows.

No	Option	Description
0	EXEC STATE	When working with EASYSET, the state of the executive station can be displayed.(e.g., IN A MEETING)
1	STATE(IN)	If EXEC STATE set to OTHERS(IN), EASYSET displays this message.
2	STATE(OUT)	If EXEC STATE set to OTHERS(OUT), EASYSET displays this message.
3	ANSWER MODE	Set answer mode for executive/secretary calling: Ring, Auto Answer, Voice Announce.(Refer to MMC 103 for a description of answer modes.)

ENTER CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 125.
Display shows:
- 2) Dial executive station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
- 3) Dial 0~3 to select option.(see the table above).
OR
Press Volume button to make selection and press Right Soft button.
- 4) Dial 0~9 to select state.(e.g., IN A MEETING)
OR
Press Volume button to make selection and press Right Soft button.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

[201] EXEC STATE
IN THE ROOM

[205] EXEC STATE
IN THE ROOM

[205] EXEC STATE
IN THE ROOM

[205] EXEC STATE
IN A MEETING

RELATED ITEMS

NONE

[199] SHOW LICENSE STATUS

Allows the system administrator or technician to confirm the status(Valid or Invalid) of the inserted license key.

No	Feature	Description
0	MGI MAX	The license status for MGI port
1	VMS MAX	The license status for VMS port
2	SOFT MAX	The license status for SoftPhone max
3	SOFT USE	The license status for SoftPhone use
4	SOFT CON	The license status for SoftPhone connect
5	NEWS USE	The license status for NEWS USE

DEFAULT DATA

INVALID

ACTION

- 1) Press Transfer button and enter 199.
- 2) Use Volume buttons to confirm the status of the inserted license key.
- 3) Press Transfer button to exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SHOW LICENSE STS
MGI MAX: INVALID
```

```
SHOW LICENSE STS
VMS MAX: 8
```

RELATED ITEMS

MMC 841

SYSTEM IP OPTION

[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.

DEFAULT DATA

DISABLE

ACTION

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

Correct code shows.

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

DISPLAY

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

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

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

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

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

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

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

- 1) Press Transfer button and enter 201.
- 2) Enter new passcode via dial keypad.
(maximum four digits)
- 3) Verify new passcode via dial keypad.

Passcode verified.(go to step 4)

OR

Passcode failure.(return to step 2)

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

DISPLAY

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

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

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

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

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

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	The passcode required to place the system in different Ring Plans(RP) or change the Ring Time Override(RTO).
1	DISA ALARM	The passcode required to clear a DISA ALARM generated when the number of DISA attempts are exceeded.
2	ALARM CLR	The passcode required to clear an ALARM generated by the disconnection of BI-PMS SIO.(Hotel Application only)
5	DELETE	This passcode is used to allow items to be deleted from a room bill. (Hotel Application only)
6	WLAN REGST	The passcode required to register a WIP phone.

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
 DECT REGST: 4321
 DELETE: 9999
 WLAN REGST: 0000

ACTION

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

Press Right Soft button to return to step 2.
 Continue to change other passcodes.

DISPLAY

CHANGE PASSCODE
 RING PLAN :0000

CHANGE PASSCODE
 AA RECORD :4321

CHANGE PASSCODE
 AA RECORD :9999

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

RELATED ITEMS

MMC 410	ASSIGN DISA TRUNK
MMC 507	ASSIGN RING PLAN TIME

[203] ASSIGN UA DEVICE

Assigns ringing device to be accessed when a Universal Answer(UA) key is pressed or the UA pickup code is dialed. 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.

Ringin g Device	Description
NONE(NO UA)	No phone number
STATION	Station number
STN GROUP	Station group number
RING PAGE	External speaker phone number
COMMON BELL	Common bell phone number



NOTE

When setting the MMC [203]

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.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

ASSIGN UA PORT
NONE-NO UA

ASSIGN UA PORT
205 -STATION

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 a station group so that all stations in the group ring.

DEFAULT DATA

CONTINUOUS

ACTION

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

DISPLAY

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

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

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

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 MIS card.(Each MIS card provides one loud bell port.) The loud bell will follow the ring cadence of the designated station.

CONDITIONS

Only a station can be assigned to control the loud bell, not a station group.

DEFAULT DATA

UNASSIGNED

ACTION

- 1) Press Transfer button and enter 205.
Display shows current setting.
- 2) Dial loud bell number.(e.g., 3902)
OR
Use Volume button to scroll through loud bell numbers and press Right Soft button to move the cursor.
- 3) Enter station number.(e.g., 201)
OR
Press Volume button to make selection and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

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	WITH TONE	Barge-in will have an intrusion tone and display at the station barged-in on.
2	WITHOUT TONE	Barge-in is allowed. There is no barge-in tone or display at the station barged-in on and the barging-in station will be muted.

DEFAULT DATA

NO BARGE-IN

ACTION

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

DISPLAY

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

```
BARGE IN TYPE
WITHOUT TONE
```

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 VM/AA. VM/AA ports receive digits and also receive a true disconnect signal on completion of a call. Only SLI cards, not key-set daughter-boards, support disconnect signal. Do not make VM/AA ports data; this will return them to a single line port and stop voice mail integration. VM/AA ports have the equivalent of data protect written in the program and are protected against tones.



NOTE

When using the MMC [207]

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 an SVM-400 or SVMi-20 card.

DEFAULT DATA

NORMAL PORT

ACTION

- 1) Press Transfer button and enter 207.

Display shows:

- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.
- 3) Dial 1 or 0 to select port type.
(1:VMAA, 0:NORMAL)
OR
Press Volume button to select type and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

[208] ASSIGN RING TYPE

Allows programming of 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 does not support off-hook ring.

DEFAULT DATA

ICM RING

ACTION

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

DISPLAY

[209] RING TYPE
ICM RING

[205] RING TYPE
ICM RING

[205] RING TYPE
DATA RING

RELATED ITEMS

NONE

[209] ASSIGN ADD-ON MODULE

Designates to which phone an add-on module(AOM) is assigned. There is no limit to the number of AOMs that can be assigned in the system. A maximum of four AOMs can be assigned to a keyset.

CONDITIONS

An AOM cannot be designated as Master. If no AOM exists in the system, the 'AOM NOT EXIST' message is displayed.

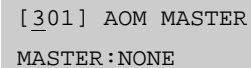
DEFAULT DATA

MASTER:NONE

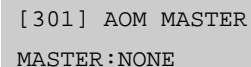
ACTION

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

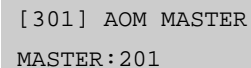
DISPLAY



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



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



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

RELATED ITEMS

NONE

[210] CUSTOMER ON/OFF PER TENANT

Allows the system administrator to set 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 callback 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 ringback tone from the time a transfer is completed until the call is answered by an internal party.
08	DID BSY ROUT	OFF	When ON, a DID call directed to a busy station will re-route to the destination in MMC 406 for that trunk, if CW is set to OFF in MMC 714. If the CW option is set to ON the call will camp on. When OFF and the CW option is set to OFF, the call will re-route to the operator.
09	ALARM MOH	ON	When ON, a station user answering an alarm ring will hear station MOH instead of dial tone.
13	RECALL PIKUP	OFF	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.

(continued)

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 provides error tone when an invalid DID number is received.
18	KTS DISC ALM	OFF	When ON, generates a system alarm when a phone disconnects or connects.
19	OFF HOOK ALM	OFF	When ON, generates a system alarm when a phone stays off-hook longer than this timer.
20	SL SELF RING	OFF	When ON, generates ring of 10 seconds when a single line phone dials itself and hangs up(self test).
21	SGR INC BUSY	OFF	When ON, generates busy tone when all station group members are busy for a group call. This does not work for station groups which have Unconditional Ring mode set.
24	TRANSFER CANCEL	OFF	When OFF, a single line phone can handle 2 calls simultaneously using the hook-flash to toggle between them. When ON, a single line phone can 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 phone to the first call.
26	RECALL DISC	OFF	When ON, the system disconnects a transferred call when it recalls.
29	ARD TONE CHK	ON	When system detects CO BUSY TONE from Central Office, it returns to auto redial state.
30	VPN ENABLE	OFF	When ON, VPN is enabled.(Australia only.)
31	IN TOLL CHK	OFF	When OFF, the system doesn't toll restrict incoming calls.
32	ISDN PROG-CON	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 ON, an 'Inclusive VAT of' line is printed on Hotel invoices(Hotel Application).
36	DSS KEY DPU	OFF	When ON, pressing a DS key will pick up the call at a ringing station
37	BEGN DGT DSP	OFF	When ON, and an outside call is made via speed dial or LNR where more than 11 digits are dialled, then only the first 11 dialled digits are shown on the phone display.
38	ONE TCH FACC	OFF	When OFF, phone users cannot use one-touch account code(ACC) key.

(continued)

No	Option	Default	Description
39	SGR ALL OUT	OFF	When ON, the last remaining station group member can leave a group.
40	CHAIN FWD	ON	If ON, an incoming call forwarded from a station to another station may then be forwarded to the mailbox of the second station, if the latter is set for 'forward to voice mail'. If this option is OFF, the call may only be forwarded to the mailbox of the first station.
41	TRK MONITER	OFF	If ON, the system will monitor the trunk supervision signaling. That is, if a disconnection signal is received from the exchange, the call will be cleared and the extension will go back on hook.
42	VOIP MFRALOC	OFF	If ON, this allocates a DTMF receiver for a VOIP tandem caller breaking out on another trunk group.
43	NTWK AUTOTMR	OFF	If OFF, the call timer in the phone display will not function if the call is from a network connection(Q-SIG).
44	USE EURO	OFF	If ON, the unit of currency shown in call displays and on SMDR reports will be Euros(€).(This will also display on Hotel Application invoices.)
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	Normally, when a 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 instead.(Hotel Application.)
48	REDIAL REVW	OFF	When ON, the CALL LOG review will appear when the Redial or LNR button is pressed.
50	ISDN KEYFAC	OFF	If ON, allows Keypad Facility messages to be sent to the exchange to invoke network features.
52	CHK SPV TRK	OFF	When ON, if trunks don't have the supervision feature they cannot make outgoing transfers or unsupervised conferences.
53	PRE FWD BUSY	OFF	When ON, and a call arrives at a busy station that is not set for forward busy, if a preset no answer destination is available the call is re-routed to that destination.
54	ORG DIAL LOG	OFF	When ON, all dialled digits will be saved in the outgoing call log for Large LCD phones. When OFF, invalid dialling such as dialling of a non-existent station number will not be saved in the outgoing call log for Large LCD phones.

(continued)

No	Option	Default	Description
56	VOIP REALRBT	OFF	When ON, the system will connect the real path of the outgoing trunk to the incoming VoIP trunk user instead of providing virtual ringback tone.
57	CO-CO TM ALL	OFF	When ON, the system trunk call will be attached timer for preven the call from locking up
58	SMDR LOG ALL	OFF	In case of admin or normal station, and although cost is 0, the smdr record can be saved when this option is set.
59	NO ITEM COST	OFF	When ON, during check-in in hotel, item code and cost don't have to be entered. It is possible to skip.
60	SMDR AUT2ACC	OFF	When ON, the AUTHORIZATION CODE will be printed in ACCOUNT field of SMDR.
64	IPNW REAL RB	OFF	When ON, the system will connect the real path of the outgoing trunk to the VoIP networking trunk user instead of providing virtual ringback tone.
66	TRK AUTO MOH	OFF	When ON, an incoming trunk call is connected to MOH automatically after the DISA ANSWR timer(MMC 503) expires and the caller hears MOH. If the TRK AUTOMOH DISC timer in MMC501 expires before the call is answered, it is disconnected.(To use this feature, MMC 400 AUTO ANSWER option must set to ON.)
67	TRSF VT KEY	ON	When ON, works like the VT key when the user transfers the call to Voice Mail using the TRSF key.
68	PAIR NO RING	OFF	When ON, if a paired phone is busy the call camps on and a message waiting indication is set at the busy phone and does not ring the free paired extension.
69	DISA NO ACT	OFF	When ON, a DISA call will go to the station assigned in MMC 406 after the DISA NO ACT timer expires.
70	ICM AUTO- HOLD	OFF	When ON, will allow internal calls to be put on hold automatically when another call is taken.
71	DTMF TO S0	OFF	When ON, DTMF can be sent to S0 station
72	STNHOLD PICK	OFF	The holded call can be picked up by other station.
73	AREA DELETE	OFF	When ON, if call is created by phonebook, area code can be deleted.
74	ELCR DIALTON	OFF	In case of second lcr, dial tone can be different.
75	NET DTMF FWD	OFF	When spnet and station is seizing trk port and listening dial tone, it can be forward to external.

DEFAULT DATA

SEE DESCRIPTION

SOME OPTIONS DEPEND ON COUNTRY

ACTION

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

DISPLAY

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

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

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

RELATED ITEMS

NONE

[211] DOOR RING ASSIGNMENT

Designates which station or group of stations will ring when a door phone button is pressed. If the ring plan destinations are not entered the default ring plan 1 is used. Available ring plans are 1 to 6.

DEFAULT DATA

STATION GROUP: 500

ACTION

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

DISPLAY

[229] DOOR RING
1:500 2:500

[230] DOOR RING
1:500 2:500

[ALL] DOOR RING
1:500 2:500

[250] DOOR RING
1:301 2:500

RELATED ITEMS

MMC 601

ASSIGN STATION GROUP

[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 PLANS: 500

ACTION

- 1) Press Transfer button and enter 214.
Display shows:
- 2) Enter valid destination number for ring plan.
(e.g., 217)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Enter valid destination number for another ring plan.(e.g., 249)
OR
Press Volume button to make selection.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

MMC 202	CHANGE FEATURE PASSCODE
MMC 601	ASSIGN STATION GROUP

[217] TRAFFIC REPORT OPTION

This MMC is used to print a traffic report and select options. The traffic report can be printed on demand, or every hour, or at a programmed time each day, or for up to three separately-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	Cancels printout.

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 report will be printed every hour.
3	THREE TIME SHIFT	Up to three separate Start and End times may be programmed to report traffic within different shifts. 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

If this function is required in an OfficeServ 7100 system with an MCP card, you must connect the LAN cable to the MCP card and be connected to a terminal supporting the TCP/IP function.

DEFAULT DATA

AUTO PRINT OFF

ACTION

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

DISPLAY

```
TRAFFIC REPORT
MANUAL PRINTOUT
```

```
TRAFFIC REPORT
AUTO PRINT OPTN
```

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

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

RELATED ITEMS

MMC 829

LAN PRINTER PARAMETERS

[219] RELAY TYPE

Assigns the service type of three relay ports of misc card. Service consists of External Page, Common bell , loud bell, NOT USED.

DEFAULT DATA

External Page

ACTION

- 1) Press Transfer button and enter 219.
Display shows:
- 2) Enter the station number.
OR
Press Volume button to select station and press Right Soft button.
- 3) Select service type.(0-3)
OR
Press Volume button to select option and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

[362] RELAY TYPE
EXTERNAL PAGE

[362] ISDN SVC
EXTERNAL PAGE

[362] RELAY TYPE
EXTERNAL PAGE

RELATED ITEMS

NONE

[220] ISDN SERVICE TYPE

Assigns the ISDN service type of a single line telephone port. Service consists 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:
- 2) Enter the station number.(e.g., 210)
OR
Press Volume button to select station and press Right Soft button.
- 3) Select service type.(0-3)
OR
Press Volume button to select option and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

NONE

[221] EXTENSION TYPE

This MMC assigns station ports for a specific use. Each phone can be designated as one of five types(see table). These types can be changed by dialling the type number or by scrolling through the types and pressing the Right Soft button to select the type.

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 Rooms 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 Hotel features.(check in, etc.)
5	FAX STATION	When a station is designated as this type it can be assigned as a 'pair' station to a GUEST SMOKING ROOM or GUEST NO SMOKING ROOM in MMC 222.

CONDITIONS

This MMC can be used only when the Hotel function is enabled in MMC 813, HOTEL OPERATION.

DEFAULT DATA

NORMAL STATION

ACTION

- 1) Press Transfer button and enter 221.
Display shows:
- 2) Dial station number.(e.g., 214)
OR
Press Volume button to select station and press Right Soft button to move cursor.

DISPLAY

[201] PHONE USE
NORMAL STATION

[214] PHONE USE
NORMAL STATION

- 3) Dial 0 - 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 to save and exit.
OR
Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 813

HOTEL OPERATION

[222] FAX PAIR

Enables a guest room to have a normal phone line and fax line simultaneously. Only a Guest No Smoking Room or Guest Smoking Room can be assigned a fax pair station which is already assigned as a fax station in MMC 221.

DEFAULT DATA

NONE

CONDITIONS

This MMC can be used only when the Hotel function is enabled in MMC 813, HOTEL OPERATION.

This MMC can be used only when there is station that set GUEST SMOKING, GUEST NO SMOKING in MMC 222, and if not, display 'ROOM NOT EXIST':

ACTION

- 1) Press Transfer button and enter 222.
Display shows:
- 2) Dial guest extension number.(e.g., 205)
OR
Press Volume button to select and press Right Soft button.
- 3) Dial fax station number.(e.g., 301)
OR
Press Volume button to select and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

[201] FAX PAIR
NONE

[205] FAX PAIR
NONE

[205] FAX PAIR
301

RELATED ITEMS

MMC 221	EXTENSION TYPE
MMC 813	HOTEL OPERATION

[224] WAKE-UP ANNOUNCEMENT

This MMC is an enhanced 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 requires an SVMi-20 card to be installed in the system. When a Wake Up call is answered, the system will access the customized Wake Up message(1-48) recorded in the card. The end user can record this message and also change it if desired. 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 any AA group.
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 all AA group members are busy. This destination can be NONE, TONE or external music on hold. If NONE is set then dial tone is connected; if TONE is set then hold tone is connected.

CONDITIONS

NONE

DEFAULT DATA

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

ACTION

- 1) Press Transfer button and enter 224.
Display shows:
- 2) Dial 0, 1 or 2 for option select.
OR
Press Volume button to select option and press Right Soft button.

DISPLAY

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

```
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.

WAKE-UP ANNOUNCE
AA GROUP : 520

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

RELATED ITEMS

NONE

[300] CUSTOMER ON/OFF PER STATION

Allows the following features to be enabled/disabled 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 off when using LCR.
01	MICROPHONE	ON	Allows phones to be used in 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: ON, permits forward to voice mail; 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 DELAY USE	OFF	When ON, calls will overflow to the Forward No Answer destination when the Forward No Answer timer expires even when the Forward No Answer feature is not activated at the called party extension.
11	FORWARD OVRD	OFF	When set to ON and the station calls another station which has forwarding set, the call will not forward.
12	RECL TO OPER	OFF	When the station is set to ON, if the station transfers a call and the destination doesn't answer, the call will recall to the operator instead of the station.
13	SLT LP OPEN	OFF	When ON, SLI port receives real disconnect signal instead of busy or error tone.(VMAA or DATA ports always receive real disconnect signal.)
15	CID TO SLT	OFF	When a MIS card is installed and this option is set to ON, the system will provide the CID signal to SLTs.
22	NO RCL FLASH	OFF	When the hook switch is flashed or the flash key is pressed, a recall signal will not be sent to the system.
23	RBK STN NAME	OFF	When ringback, station name can be displayed, instead of "Ringing"

DEFAULT DATA

SEE DESCRIPTION

SOME OPTIONS DEPEND ON COUNTRY

ACTION

DISPLAY

- 1) Press Transfer button and enter 300.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station.
OR
Select all stations and press Right Soft button to move cursor.
- 3) Press Volume button to select feature and press Right Soft button to move cursor.
- 4) Dial 1 for ON or 0 for OFF.
OR
Press Volume button to select and press Right Soft button.
- 5) Press Left Soft button to return to step 2.
Press Right Soft button to return to step 1.
OR
Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

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

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

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

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

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

RELATED ITEMS

LCR PROGRAMMING:

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

[301] ASSIGN STATION COS

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

DEFAULT DATA

RING PLANS 1-6: 01

ACTION

- 1) Press Transfer button and enter 301.
Display shows first station:
- 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 to step 4.
OR
Select all stations.
- 3) Enter new ring plan selection via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 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 to the next ring plan.
OR
Use Volume button to scroll through classes of service and press Left Soft button to return to step 2.

DISPLAY

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

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

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

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

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

- 5) Enter the next ring plan class of service.(e.g., 05)
OR
Use Volume button to scroll through classes of service and press Right Soft button to move cursor to the next ring plan.
OR
Use Volume button to scroll through classes of service and press Left Soft button to return to previous step.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

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

RELATED ITEMS

MMC 701

ASSIGN COS CONTENTS

[302] PICKUP GROUPS

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

DEFAULT DATA

NO PICKUP GROUPS ASSIGNED

ACTION

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

DISPLAY

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

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

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

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

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

PROGRAM BUTTONS

F BUTTON Used to toggle BOSS/SECRETARY field

ACTION

- 1) Press Transfer button and enter 303.
Display shows.
- 2) Dial BOSS station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button.
- 3) Dial SECRETARY number.(1, 2, 3 or 4)
OR
Press Volume button to select number and press Right Soft button.
- 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.
- 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.

DISPLAY

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

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

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

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

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

RELATED ITEMS

MMC 722

STATION KEY PROGRAMMING

[304] ASSIGN EXTENSION/TRUNK USE

Allows you to select which stations are allowed to make calls through C.O. lines or to answer calls for C.O. lines.(on a station and trunk use group basis)

CONDITIONS

- Stations are set within use group numbers 001~100 and trunks are set within use group numbers 101~200 in MMC 614, ASSIGN USE GROUP.
- If a station group is set to NO Dial, stations cannot place calls on that trunk group.
- If a station group is set to NO Answer, stations cannot answer incoming calls on that trunk group.

Note: MMC 406, Trunk Ring Assignment, overrides this MMC for the Answer option.

DEFAULT DATA

DIAL: YES

ANS: YES

ACTION

- 1) Press Transfer button and enter 304.
Display shows:
- 2) Dial the station use group number.(e.g., 005)
OR
Press Volume button to select station use group and press Right Soft button.
OR
Select all station use groups.
- 3) Dial the station use group number.(e.g., 101)
OR
Press Volume button to select trunk use group and press Right Soft button.
OR
Select all trunk use groups.

DISPLAY

```
(001) USE (101)
DIAL: YES ANS: YES
```

```
(005) USE (101)
DIAL: YES ANS: YES
```

```
(ALL) USE (101)
DIAL: YES ANS: YES
```

```
(005) USE (101)
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.

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 (101)
DIAL:NO ANS: YES
```

```
(005) USE (101)
DIAL:NO ANS: YES
```

- 5) Press Transfer button to save and exit.
OR

Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 316

COPY STATION USABLE

MMC 614

STATION/TRUNK USE GROUP

[305] ASSIGN FORCED CODE

This MMC allows one of the four options to be selected: the assignment of account codes with verification, account codes without verification and authorization codes(or none of these) on a per-station basis or on an all-station basis. The system supports 500 authorization codes and 999 account codes which may or may not require verification.

No	Type	Description
0	NONE	No Account or Authorization code required.(strictly voluntary)
1	AUTHORIZE CODE	Forces user to enter a valid Authorization code of four or more digits listed in the AUTHORIZATION CODE Table.(MMC 707)
2	ACCT VERIFIED	Forces user to enter a valid Account code listed in the AC-COUNT CODE Table.(MMC 708)
3	ACCT NO VERIFIED	Forces user to enter an Account code which is not verified. User can enter any code up to 12 digits.(including * and #)

DEFAULT DATA

NONE

ACTION

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

DISPLAY

[201] FORCD CODE
NONE

[205] FORCD CODE
NONE

[205] FORCD CODE
ACCT VERIFIED

RELATED ITEMS

MMC 707 AUTHORIZATION CODE
MMC 708 ACCOUNT CODE

[306] HOT LINE/OFF HOOK SELECTION

Allows a station to make a predetermined call, similar to a ring-down circuit, upon the expiration of a timer.(see MMC 502, STATION 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 is a maximum of 18 digits in the dial string for external numbers. The access code for trunk or trunk group access(e.g., 0 or 9) 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

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

DISPLAY

[201] HOT LINE
NONE

[205] HOT LINE
NONE

[205] HOT LINE
9-1305P4264100_

RELATED ITEMS

MMC 502 STATION-WIDE TIMERS(OFF-HOOK SELECTION TIMER)

[308] ASSIGN BACKGROUND MUSIC SOURCE

Assigns a background music source to phones. There is one internal music source/external music source. The default directory numbers for the music sources are 371.

CONDITIONS

To use an external sound source, connect the corresponding port of the MOH source to the misc port of MP10/11 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

- 1) Press Transfer button and enter 308.
Display shows current setting.
- 2) Dial phone number.(e.g., 205)
OR
Use Volume button to scroll through phone numbers and press Right Soft button to move the cursor.
OR
Select all stations.
- 3) Enter source number.(e.g.,371)
OR
Press Volume button to make selection and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 309	ASSIGN STATION MOH SOURCE
MMC 408	ASSIGN TRUNK MOH SOURCE

[309] ASSIGN STATION MOH SOURCE

Assigns a Music On Hold source to phones. There is one internal music source/external music source.

The default directory numbers for the music sources is 371.

CONDITIONS

To use an external sound source, connect the corresponding port of the MOH source to the external sound source of MISC port of MP10/11 card.

DEFAULT DATA

tone

ACTION

- 1) Press Transfer button and enter 309.
Display shows current setting:
- 2) Dial phone number.(e.g., 205)
OR
Use Volume button to scroll through phone numbers and press Right Soft button to move the cursor.
OR
Press ANS/RLS button to select all stations.
- 3) Enter source number.(e.g., 371)
OR
Press Volume button to make selection and press Right Soft button to return to step 2.
- 4) Press Transfer button and enter to exit.
OR
Press Speaker button to advance next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 308	ASSIGN BACKGROUND MUSIC SOURCE
MMC 408	ASSIGN TRUNK MOH SOURCE

[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.

DEFAULT DATA

LEAST COST ROUTING COS: 1

ACTION

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

DISPLAY

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

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

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

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

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 sent from, or displayed at, LCD phones.

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

DEFAULT DATA

RCV: YES

SND: YES

ACTION

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

DISPLAY

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

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

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

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

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

RELATED ITEMS

MMC 119

CALLER ID DISPLAY

[314] CONFIRM OUTGOING CALL

Allows outgoing call restriction by call duration time: calls can be disconnected or the user can receive 'confirm tone'.(refer to the CO Confirm timer in MMC 501)

No	Type	Description
0	NONE	No action
1	CONFIRM TONE	Caller hears confirmation tone at programmed time
2	DISCONNECT	Call is disconnected.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 501

SYSTEM-WIDE TIMERS

[315] CUSTOMER SET RELOCATION

Customer Set Relocation allows the system administrator or technician to exchange similar stations in the system without hardware changes. All the button settings, features, etc. for a phone can be copied to another. The user can relocate to the new station and work as normal.

CONDITIONS

Refer to the Relocate Allowed Table(next page) listing which phones/AOMs can be exchanged.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 315.
Display shows:
- 2) Enter number of original station.(e.g., 202)
Press Right Soft button to move cursor.
- 3) Enter second station number.(e.g., 210)
Press Right Soft button to enter data.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SET RELOCATION  
EXT_   EXT
```

```
SET RELOCATION  
EXT202 EXT_
```

```
SET RELOCATE  
EXT202 EXT210
```

```
SET RELOCATION  
EXT_   EXT
```

RELATED ITEMS

NONE

Relocate Allowed Table	SLT	EURO 6B	EURO 12B	EURO 24B	48B AOM	64B AOM	iDCS 28D	iDCS 18D
SLT	YES	NO	NO	NO	NO	NO	NO	NO
EURO 6B	NO	YES	NO	NO	NO	NO	NO	NO
EURO 12B	NO	NO	YES	YES	NO	NO	NO	NO
EURO 24B	NO	NO	YES	YES	NO	NO	NO	NO
48B AOM	NO	NO	NO	NO	YES	YES	NO	NO
64B AOM	NO	NO	NO	NO	YES	YES	NO	NO
iDCS 28D	NO	NO	NO	NO	NO	NO	YES	YES
iDCS 18D	NO	NO	NO	NO	NO	NO	YES	YES
iDCS 8D	NO	NO	NO	NO	NO	NO	NO	NO
DS-5012L	NO	NO	NO	NO	NO	NO	NO	NO
DS-5014D	NO	NO	NO	NO	NO	NO	NO	NO
DS-5021D	NO	NO	NO	NO	NO	NO	NO	NO
DS-5007S	NO	NO	NO	NO	NO	NO	NO	NO
DS-5014S	NO	NO	NO	NO	NO	NO	NO	NO
DS-5038S	NO	NO	NO	NO	NO	NO	NO	NO
IP Phone*	NO	NO	NO	NO	NO	NO	NO	NO

Relocate Allowed Table	iDCS 8D	DS-5012L	DS-5014D	DS-5021D	DS-5007S	DS-5014S	DS-5038S	IP Phone*
SLT	NO	NO	NO	NO	NO	NO	NO	NO
EURO 6B	NO	NO	NO	NO	NO	NO	NO	NO
EURO 12B	NO	NO	NO	NO	NO	NO	NO	NO
EURO 24B	NO	NO	NO	NO	NO	NO	NO	NO
48B AOM	NO	NO	NO	NO	NO	NO	NO	NO
64B AOM	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 28D	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 18D	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 8D	YES	NO	NO	NO	NO	NO	NO	NO
DS-5012L	NO	YES	NO	NO	NO	NO	NO	NO
DS-5014D	NO	NO	YES	NO	NO	NO	NO	NO
DS-5021D	NO	NO	NO	YES	NO	NO	NO	NO
DS-5007S	NO	NO	NO	NO	YES	NO	NO	NO
DS-5014S	NO	NO	NO	NO	NO	YES	NO	NO
DS-5038S	NO	NO	NO	NO	NO	NO	YES	NO
IP Phone*	NO	NO	NO	NO	NO	NO	NO	YES

[316] COPY STATION USABLE

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

Use groups are set up in MMC 614.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

```
(001) COPY USABLE
FROM: NONE
```

```
(005) COPY USABLE
FROM: NONE
```

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

RELATED ITEMS

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

[317] ASSIGN STATION/STATION USE

This MMC is used to determine whether stations in one use group can make intercom calls to stations in other use groups.(within the same tenant)

Use groups are set up in MMC 614.

DEFAULT DATA

DIAL: YES

ACTION

- 1) Press Transfer button and enter 317.
Display shows:
- 2) Dial the first station use group number.(e.g., 005)
OR
Press Volume button to select station and press Right Soft button.
OR
Select all station use groups.
- 3) Dial the second station use group number.(e.g., 004)
OR
Press Volume button to select station and press Right Soft button.
- 4) Dial 1 for YES or 0 for NO.(NO means first group cannot dial second group)
OR
Press Volume button to select YES/NO and press Right Soft button to move cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

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

RELATED ITEMS

MMC 614

STATION/TRUNK USE GROUP

[318] DISTINCTIVE RINGING

Allows the technician to select the ring tone heard at a keyset when called by a specific station or when a specific trunk rings that keyset. There is also a cadence control option to perform a similar function for SLTs.

There are eight ring tones available along with a Follow Station option(default) for keysets. There are five cadences and a Follow Station option(default) for SLTs. See table, below.

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 come into a station group and all group members are busy, the system will assign a priority to a specific station or a specific trunk so that high priority calls will be placed at the front of the group queue. If this option is set to NO, the call held longest in the group queue has the highest priority. There are nine priority levels: level 1 is the highest and level 9 is the lowest.

Option	No	Description
TONE Option		Calls will ring with the keyset user's choice of ring frequency.
	1~8	Calls from the programmed station or trunk will ring with this frequency.
CADENCE Option		Calls will ring with the normal SLT ring cadences.
	1	Calls from the programmed station or trunk will ring with the intercom ring cadence.
	2	Calls from the programmed station or trunk will ring with the CO ring cadence.
	3	Calls from the programmed station or trunk will ring with the DOOR ring cadence.
	4	Calls from the programmed station or trunk will ring with the ALARM ring cadence.
	5	Calls from the programmed station or trunk will ring with the CALLBACK ring cadence.

CONDITIONS

- Digital phone(keyset) rings are distinguished by their tone. If the T(TONE) of the calling internal/external phone is set to 'NO', the bell rings according to the normal setting in MMC 111, PHONE RING TONE, for the receiving station. If T is set to 1-8, the bell rings according to the designated ring tone.
- SLT rings are distinguished by their ringing interval. If the C(CADENCE) of the calling internal/external phone is set to 'NO', the bell rings according to the interval set in MMC 510, SLI RING CADENCE, for each calling station type. If C is set to 1-5, the bell rings according to that interval regardless of the calling station type.

DEFAULT DATA

T: NO (FOLLOW STATION SETTING)
 C: NO (FOLLOW STATION SETTING)

ACTION

- 1) Press Transfer button and enter 318.
Display shows first station:
- 2) Dial trunk or station number.(e.g., 705)
OR
Press Volume button to select trunk or station
and press Right Soft button to move cursor.
- 3) Dial 1-8 to select ring tone.
OR
Press Volume button to select ring tone and press
Right Soft button to move cursor.
- 4) Dial 1-5 to select ring cadence.
OR
Press Volume button to select ring cadence and
press Right Soft button to move cursor.
- 5) Enter priority level via dial keypad.
(1-9 or NO)
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

```
[201] RING TONE
T:NO C:NO PRI:NO
```

```
[705] RING TONE
T:NO C:NO PRI:NO
```

```
[705] RING TONE
T:5 C:NO PRI:NO
```

```
[705] RING TONE
T:5 C:3 PRI:NO
```

```
[705] RING TONE
T:5 C:3 PRI:NO
```

RELATED ITEMS

MMC 111 PHONE RING TONE
 MMC 510 SLI RING CADENCE

[319] BRANCH GROUP

Assign stations to branch groups. There is a maximum of four branch groups. When a C.O. line is ringing at a station, other stations assigned the same branch group can answer the incoming call by going off hook.



NOTE

MMC [319]

This MMC is currently not valid in the UK/EU.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 319.
Display shows.
- 2) Dial station number.(e.g., 205).
OR
Press Volume button to select station and use
Right Soft button to move cursor.
OR
Select all stations.
- 3) Dial a branch group number. (01-20).
OR
Press Volume button to make selection and
press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

```
[ 205 ] BRANCH GRP
BRANCH GRP : 04
```

RELATED ITEMS

NONE

[320] PRESET FORWARD NO ANSWER

Allows a technician to assign a default destination for Forward No Answer(FNA) to each station on the system. These destinations may be the same or different for each station. 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 FNA time follows the station ‘NO ANS FWD’ timer(MMC 502).

Preset FNA can be assigned respectively for each type of call.

No	Type	Description
0	INT	Preset FNA applies only to intercom calls.
1	EXT	Preset FNA applies only to incoming calls.
2	BOTH	Preset FNA applies to both intercom and incoming calls.



NOTE

When using PRE FWD BUSY option in MMC [210]

If PRE FWD BUSY option in MMC 210 is set ON, the forward busy follows this feature.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

[201] PRESET FNA
NONE OPT: BOTH

[205] PRESET FNA
NONE OPT: BOTH

[ALL] PRESET FNA
NONE OPT: BOTH

[205] PRESET FNA
202 OPT: BOTH

- 4) Dial call type 0, 1 or 2.(e.g., 1)

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 to save and exit.

OR

Press Speaker button to save and advance to next

MMC.

RELATED ITEMS

MMC 102

CALL FORWARD

[323] CALLING PARTY NUMBER

Allows a number up to 16 digits 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 number entered here will be the Calling Party Number sent on the call. There are four tables for the system. If there are no entries in the tables the system uses the number for the trunk entered in MMC 405, TRUNK CO TEL NUMBER, for the Calling Party Number.

DEFAULT DATA

EMPTY

ACTION

- 1) Press Transfer button and enter 323.
Display shows:
- 2) Dial extension or trunk number.(e.g., 230)
OR
Press Volume button to select extension and press Right Soft button to move the cursor.
- 3) Dial table number.
OR
Press Volume button to select table number and press Right Soft button to move the cursor.
- 4) Enter the Calling Party Number.
- 5) Repeat steps 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 to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 419	BRI OPTIONS
MMC 420	PRI OPTIONS
MMC 834	H.323 OPTIONS

[326] RINGBACK TONE MESSAGE

Assigns Color Ring Message by using SVMi message.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 326.
Display shows:
- 2) Enter the VM station number.
OR
Press Volume button to select station and press Right Soft button.
- 3) Select Ring Message. (0001-9999)
OR
Press Volume button to select option and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

[301] RBT MSG
NONE

[302] RBT MSG
NONE

[302] RBT MSG
0001

RELATED ITEMS

[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.
3	LCR ALLOW	OFF	Allows LCR to be switched ON/OFF when a trunk is accessed using a DT key or by dialling its port number (e.g., 701).
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)
8	TONECHK DISC	OFF	When this option is set to ON, loop trunk can be disconnected by detecting busy tone.(To use this feature, the LP TRK TONE DISC option in MMC 861 must be set to ENABLE.)
9	AUTO ANSWER	OFF	When this option is set to ON, Auto Answer mode can be assigned on a per-trunk basis.
10	COLORRING AS	OFF	When this options is set to ON, coloring service can be used by svmi message.

DEFAULT DATA

1A2 EMULATE: OFF
 TRK INC. DND: OFF
 TRK FORWARD: ON
 EFWD EXT CLI: ON
 REPEAT CLI: ON
 TONECHK DISC: OFF
 AUTO ANSWER: OFF
 COLORRING AS: OFF

ACTION

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

DISPLAY

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

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

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

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

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

RELATED ITEMS

NONE

[401] TRUNK LINE/PBX LINE

Used to select the mode of the trunk lines: CO LINE or PBX LINE. If 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.

DEFAULT DATA

ALL TRUNKS: CO LINE

ACTION

- 1) Press Transfer button and enter 401.
Display shows:

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

- 3) Dial 1 for PBX or 0 for CO.(e.g., 1)
OR
Use Volume button to scroll through options
Press Right Soft button to return to step 2.

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

DISPLAY

[701] PBX LINE
CO LINE

[704] PBX LINE
CO LINE

[ALL] PBX LINE
?

[704] PBX LINE
PBX LINE

RELATED ITEMS

NONE

[402] TRUNK DIAL TYPE

Used to determine the dialling type of each trunk line. There are two options:

No	Type	Description
0	DTMF TYPE	Dual Tone Multi-Frequency
1	DIAL PULSE TYPE	Dial Pulse

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

Select all.

- 3) Dial 0 for DTMF or 1 for PULSE.

OR

Use Volume button to scroll through options

Press Right Soft buttons to return to step 2.

- 4) Press Transfer button to save and exit.

OR

Press Speaker button to advance to 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 to ll 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 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)

DEFAULT DATA

ALL TRUNKS: F-STN

ACTION

- 1) Press Transfer button and enter 403.

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

Select all.

- 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

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

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

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

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

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

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

RELATED ITEMS

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

[404] TRUNK NAME

Allows a name up to 11 characters long to be entered to identify an individual trunk.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

[701] TRUNK NAME

[704] TRUNK NAME

[704] TRUNK NAME
TELECOMS

RELATED ITEMS

MMC 104	STATION NAME
MMC 405	TRUNK CO TEL NUMBER

[405] TRUNK CO TEL NUMBER

Allows a number up to 11 digits long to be entered to identify an individual trunk.

ENTERING NUMBERS

Numbers are written using the keypad. Each press of a key selects the digit and moves the cursor to the next position.

The # button can be used for special characters:

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

DEFAULT DATA

NONE

ACTION

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

DISPLAY

[701] CO TEL NO.

[704] CO TEL NO.

[704] CO TEL NO.
3054264100

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 entered, the default ring plan is ring plan 1.

DEFAULT DATA

ALL TRUNKS RING DEFAULT OPERATOR GROUP

ACTION

- 1) Press Transfer button and enter 406.
Display shows:
- 2) Dial trunk number.(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press Right Soft button to move the cursor.
OR
Select all.
- 3) Dial ring plan number or press Right Soft button to move to the next step.
- 4) Dial station number or station group number.
(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to move cursor to the next ring plan destination and repeat step 4.
OR
Press Left Soft button to return to step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

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

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

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.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

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

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

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

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

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. There is one internal music source/external music source (371).

CONDITIONS

To use an external sound source, connects the corresponding port of the to the misc port of MP10/11 card.

DEFAULT DATA

TONE

ACTION

- 1) Press Transfer button and enter 408.
Display shows: current setting.
- 2) Dial trunk number.(e.g., 704)
OR
Use Volume button to scroll through trunk numbers and press Right Soft button to move cursor.
OR
Select all.
- 3) Enter source number.(e.g., 371)
OR
Press Volume button to select option and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

```
[ 705 ] TRK MOH
MOH: 371 AA: TONE
```

RELATED ITEMS

MMC 756

ASSIGN VMMOH

[409] TRUNK STATUS READ

This is a READ-ONLY MMC. 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.

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	DTFM/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

DEFAULT DATA

FOLLOWS TRUNK

ACTION

- 1) Press Transfer button and enter 409.
Display shows:
- 2) Enter trunk number via dial keypad.(e.g., 704)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Enter desired option 00-19.(e.g., 01)
OR
Press Volume button to make selection.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

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

[410] ASSIGN DISA TRUNK

Allows the system 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. Users must be informed of these to prevent unnecessary service calls. DISA can lock out 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

- 1) Press Transfer button and enter 410.
Display shows:
- 2) Dial trunk number.(e.g., 704)
OR
Press Volume button to select trunk and press Right Soft button.
OR
Select all trunks.
OR
- 3) Press Volume button to select a Ring Plan.(e.g., 3)
OR
Using the dial keypad, press 1 to select or 0 not to select the Ring Plan.(e.g., 1 to select)
Press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 500

SYSTEM-WIDE COUNTERS

[412] ASSIGN TRUNK SIGNAL

Allows the assignment of analogue DID or E & M cards for proper signalling. These trunks can also use the translation tables in MMC 714.

No	Signalling condition type
0	IMMEDIATE START
1	DELAYED START
2	WINK START
3	NO ANSWER BACK
4	DIRECT BACK

CONDITIONS

An analogue E & M/DID Trunk card must be installed in the OfficeServ 7100 system. Otherwise, the 'NO E&M/DID TRUNK' message is displayed.

DEFAULT DATA

IMMEDIATE START

ACTION

- 1) Press Transfer button and enter 412.
Display shows:
- 2) Enter desired trunk number.(e.g., 705)
OR
Press Volume button to make selection and press Right Soft button to move cursor.
OR
Select all trunks.
- 3) Enter desired trunk type selection from above list.
OR
Press Volume button to make selection and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 714

DID NUMBER AND NAME TRANSLATION

[414] MPD/PRS SIGNAL

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

An MPD 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.

Type	Description
PRS 1	When first PRS is detected, call duration timer is started. When second PRS is detected, call duration timer is stopped. The call is not released.
PRS 2	When first PRS is detected, call duration timer is started. When second PRS is detected, call duration timer is stopped and the 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.
MPD	Metering Pulse Detection.

CONDITIONS

- If the trunk is designated as PRS, the call duration timer will be started and the results printed on the SMDR record.
- PRS is also essential for dropping a trunk-to- trunk conversation which is unsupervised by an internal party.

DEFAULT DATA

NONE(NORMAL)

ACTION

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

DISPLAY

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

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

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

[705] TRK PRS
PRS 2

OR

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

- 4) Press Transfer button to save and exit.

OR

Press Speaker button to save and advance to next MMC.

RELATED ITEMS

MMC503

TRUNK-WIDE TIMERS

[415] REPORT TRUNK ABANDON DATA

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

No	Option	Description
0	REPORT: NO	Abandoned call records for incoming calls with CLIP 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 CLIP 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.

DEFAULT DATA

ALL TRUNKS REPORT: YES

ACTION

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

DISPLAY

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

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

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

RELATED ITEMS

MMC 725

SMDR OPTIONS

[417] E1/PRI CRC4 OPTION

This option is used to enable/disable CRC4 generation and checking.

CONDITIONS

- This is useful with some networks which do not support CRC4 framing but only PCM30 framing.
- After changing this option, MMC 418 must be used to restart the card to make the change effective.

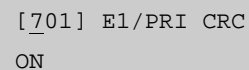
DEFAULT DATA

CRC4: ON

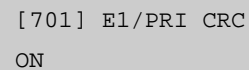
ACTION

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

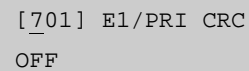
DISPLAY



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



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



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

RELATED ITEMS

MMC 418

BRI & PRI CARD RESTART

[418] BRI AND PRI CARD RESTART

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

CONDITIONS

- A BRI card or TEPRI card or TEPRI2 card must be installed in the system.
- Before setting the PRI program, the J2 jumper of the TEPRI or TEPRI2 card must be set ON to PRI mode.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

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

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

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

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

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. 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, they 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 analogue 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 Cellphone.
	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. If NONE, MMC405 TRUNK CO TEL NUMBER is sent to the network; otherwise, the Calling Party Number entry in MMC 323 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

(continued)

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 418 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

- 1) Press Transfer button and enter 419.
Display shows first BRI channel.
- 2) Dial BRI trunk number.(e.g., 727)
OR
Press Volume button to select BRI trunk and press Right Soft button.
- 3) Select option item.
OR
Press Volume button to select option item and press Right Soft button.
- 4) Select option.
OR
Press Volume button to select BRI station and press Right Soft button.
- 5) Dial BRI station number.(e.g., 729)
OR
Press Volume button to select BRI station and press Right Soft button.
- 6) Select option item.
OR
Press Volume button to select BRI station and press Right Soft button.
- 7) Select option.
OR
Press Volume button to select option item and press Right Soft button.
- 8) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

```
[ 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
```

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

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

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

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

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

RELATED ITEMS

MMC 323	CALLING PARTY NUMBER
MMC 405	TRUNK CO TEL NUMBER
MMC 418	BRI & PRI CARD RESTART
MMC 421	MSN DIGIT
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 card.

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, they 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 analogue 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 cellphone.
	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. If NONE, MMC405 CO TRUNK NUMBER is sent to the network; otherwise, the Calling Party Number entry in MMC 323 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
6	SAME CONNID	When this option is set to OFF, ISDN port is searched by CONN ID and if set to ON, searched by data channel id.

CONDITIONS

- Before setting the PRI program, the J2 jumper of the TEPRI or TEPRI2 card must be set to 'ON' for PRI mode.
- After changing this program, run MMC 418, 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

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

DISPLAY

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

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

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

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

RELATED ITEMS

MMC 323	CALLING PARTY NUMBER
MMC 405	TRUNK CO TEL NUMBER
MMC 418	BRI & PRI 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 the 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 optionally released.

You can give each MSN number to a specific station and you can select the 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)

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

1-6: NONE
 CW: YES
 OPT: ACCEPT

ACTION

- 1) Press Transfer button and enter 421.
 Display shows:
- 2) Enter trunk number.(e.g., 704)
 OR
 Press Volume button to scroll through ISDN ports and press Right Soft button to move cursor.
- 3) Enter the location 1-8.(e.g., 4)
 OR
 Press Volume button to select location and press Right Soft button to move cursor.
- 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)

DISPLAY

```
[ 701 ] MSN DGT ( 1 )
DGT :
```

```
[ 704 ] MSN DGT ( 1 )
DGT :
```

```
[ 704 ] MSN DGT ( 4 )
DGT :
```

```
[ 704 ] MSN DGT ( 4 )
DGT : 4603881
```


- 5) Enter destinations for the six ring plans via the dial keypad.(e.g., 204 for ring plan 1)

```
[ 704 ] MSN DGT ( 4 )
1:204    2:NONE
```

OR

Press Volume button to make selection and press Right Soft button.

- 6) Enter 1 for YES or 0 for NO.

```
[ 704 ] MSN DGT ( 4 )
CW:NO   OPT:ACEPT
```

OR

Press Volume button to make selection and press Right Soft button.

- 7) Enter 1 for ACCEPT or 0 for REJECT.

```
[ 704 ] MSN DGT ( 4 )
CW:NO   OPT:ACEPT
```

OR

Press Volume button to make selection and press Right Soft button.

- 8) Press Transfer button to save and exit.

OR

Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 423

S/T MODE

[422] TRUNK COS

Used to assign a class of service to each trunk for each of the six 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.

DEFAULT DATA

ALL RING PLANS: COS 01

ACTION

- 1) Press Transfer button and enter 422.
Display shows first trunk:

DISPLAY

```
[ 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 to step 3.

OR

Use Volume button to scroll through trunks and
press Left Soft button to advance to step 4.

OR

Select all trunks.

```
[705] TRK COS  
1:01 2:01 3:01
```

- 3) 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 to step 4.

OR

Use Volume button to scroll through classes of service and press Left Soft button to return to step 2.

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

```
[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 to save and exit.

OR

Press Speaker button to save and advance to next MMC.

RELATED ITEMS

MMC 701

ASSIGN COS CONTENTS

[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 used for ISDN trunk.
1	STATION	The BRI trunk port used for ISDN phone.

CONDITIONS

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

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 423.
Display shows first BRI:
- 2) Dial trunk number.(e.g., 727)
OR
Use Volume button to scroll through BRI numbers and press Right Soft button to move cursor.
OR
Select all.
- 3) Enter circuit type.(e.g., station).
OR
Press Volume button to select option and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

```
[ 727 ] S/T MODE
TRUNK
```

```
[ ALL ] S/T MODE
TRUNK
```

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

RELATED ITEMS

MMC 424	BRI S0 MAPPING
MMC 418	BRI AND PRI CARD RESTART
MMC 419	BRI OPTIONS
MMC 421	MSN DIGIT

[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 or BRM is installed in the system.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 424.
Display shows first terminal number:
- 2) Dial terminal number.
OR
Press Volume button to make selection of terminal numbers and press Right Soft button to advance cursor.
- 3) Dial BRI port number.
OR
Use Volume button to scroll through ports and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 8701 ]S0 MAPPING  
NONE
```

```
[ 8704 ]S0 MAPPING  
NONE
```

```
[ 8704 ]S0 MAPPING  
712
```

RELATED ITEMS

MMC 419	BRI OPTIONS
MMC 423	S/T MODE

[425] CID TRUNKS

This MMC assigns a TRUNK number to a CID TRUNK.

CONDITIONS

This function can be used only when the TRM or trunk card is installed in the system.

DEFAULT DATA

NORMAL TRUNK

ACTION

- 1) Press Transfer button and enter 425.
Display shows first terminal number:
- 2) Enter trunk number.
OR
Press Volume button to make selection of trunk numbers and press Right Soft button to advance cursor.
OR
Select all.
- 3) Enter trunk type.(e.g., CID TRUNK).
OR
Press Volume button to select option and
Press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

```
[702]CID TRUNKS
NORMAL TRUNK
```

```
[ALL] CID TRUNKS
NORMAL TRUNK
```

```
[ALL] CID TRUNKS
CID TRUNK
```

RELATED ITEMS

[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 transmission level adjustment of the trunk to the station. 'RX' is the receiving level adjustment of the station to the trunk.

There are four types of adjustment:

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

DEFAULT DATA

TX: +0.0

RX: +0.0

ACTION

- 1) Press Transfer button and enter 426.
Display shows:
- 2) Enter desired trunk number.(e.g., 705)
via the dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
OR
Select all.
- 3) Press Volume button to make selection and
press Right Soft button to move cursor.
- 4) Press Volume button to make selection and
press Right Soft button to move cursor and
return to step 1.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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

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

RELATED ITEMS

NONE

[428] ASSIGN TRUNK/TRUNK USE

This MMC is used to allow or restrict trunks from making outgoing calls to other trunks within the same system. By default(DIAL=YES) all trunks can use other trunks. To prevent use, select NO.

DEFAULT DATA

DIAL: YES

ACTION

- 1) Press Transfer button and enter 428.
Display shows:
- 2) Dial the trunk use group number.(e.g., 305)
OR
Press Volume button to selection and press Right Soft button.
OR
Select all trunk use groups.
- 3) Dial the trunk use group number.(e.g., 304)
OR
Press Volume button to selection and press Right Soft button.
- 4) Dial 1 for YES or 0 for NO.
OR
Press Volume button to select YES/NO and press Right Soft button to move cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

```
(305) USE (301)
DIAL: YES
```

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

```
(305) USE (304)
DIAL: YES
```

```
(305) USE (304)
DIAL: NO
```

RELATED ITEMS

MMC 614

STATION/TRUNK USE GROUP

[432] SET H-TRK

This MMC is used to select the type of signalling for each H- trunk. There are three operation types available.(E & M, DID, R/D)

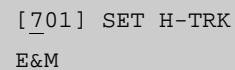
DEFAULT DATA

E & M

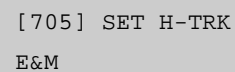
ACTION

- 1) Press Transfer button and enter 432.
Display shows:
- 2) Enter desired trunk number.(e.g., 705)
OR
Press Volume button to make selection.
Press Right Soft button to move cursor.
OR
Select all trunks.
- 3) Press Volume button to select trunk type and
press Right Soft button to move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

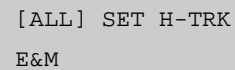
DISPLAY



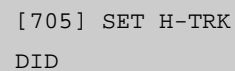
```
[ 701 ] SET H-TRK  
E&M
```



```
[ 705 ] SET H-TRK  
E&M
```



```
[ ALL ] SET H-TRK  
E&M
```



```
[ 705 ] SET H-TRK  
DID
```

RELATED ITEMS

NONE

[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 749. 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 calls. Select cost rate type 8 only if you want incoming call costing for a trunk.

DEFAULT DATA

ALL TRUNKS/ALL DIAL PLANs: ALL COST RATES ASSIGNED

ACTION

- 1) Press Transfer button and enter 433.
Display shows trunk number and Cost Rate table numbers:
- 2) Dial trunk number.(e.g., 705)
OR
Press Volume button to select trunk and press Right Soft button to move cursor.
OR
Select all.
- 3) Press Volume button to move cursor along the line until the cursor is under the Cost Rate number.(e.g., 2)
Enter 1 for YES or 0 for NO and press Right Soft button to return to step 1.
OR
- 4) Press Transfer button to save and exit.

DISPLAY

```
[ 701 ] :12345678
CR      :11111111
```

```
[ 705 ] :12345678
CR      :11111111
```

```
[ 701 ] :12345678
CR      :10111111
```

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 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 other 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.

DEFAULT DATA

NONE

ACTION

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 button 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 button to exit.

```
DISPLAY STATUS
```

```
235 715
```

Display trunk status in conference

- 1) Press Transfer button and enter 434.
- 2) Enter station or trunk number.
Display shows connection status:
- 3) Press Right Soft button to display the next station or trunks involved.
- 4) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
201 IDLE
```

```
DISPLAY STATUS
702 227 ,215 →
```

```
DISPLAY STATUS
702 216 →
```

```
DISPLAY STATUS
216 702 ,227 →
```

Display status no connection

- 1) Press Transfer button and enter 434.
- 2) Enter station or trunk number.
Display show connection status.
- 3) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
201 IDLE
```

```
DISPLAY STATUS
702 NONE
```

```
DISPLAY STATUS
702 NONE
```

Display status no connection

- 1) Press Transfer button and enter 434.
- 2) Enter invalid station or trunk number.
Display show INVALID DATA:
- 3) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
201 IDLE
```

```
DISPLAY STATUS
INVALID DATA
```

```
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 button 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 button to exit.

```
DISPLAY STATUS
_725 MADE BUSY
```

RELATED ITEMS

MMC 108
MMC 409

STATION STATUS
TRUNK STATUS READ

[436] TRUNK TMC GAIN

Allows loss levels of TMC for analogue trunks to be adjusted on a per-trunk basis. There are two adjustments available in this MMC: 'TX' is the transmission level adjustment of the trunk to the station. 'RX' is the receiving level adjustment of the station to the trunk.

DEFAULT DATA

TX: +0 dB

RX: +0 dB

ACTION

- 1) Press Transfer button and enter 436.
Display shows:
- 2) Enter desired trunk number.(e.g., 705) via the dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
OR
Select all.
- 3) Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Press Volume button to make selection and press Right Soft button to move cursor and return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 701 ] TMC GAIN
RX: +0 dB TX: +0 dB
```

```
[ 705 ] TMC GAIN
RX: +0 dB TX: +0 dB
```

```
[ ALL ] TMC GAIN
RX: +0 dB TX: +0 dB
```

```
[ 705 ] TMC GAIN
RX: +0 dB TX: +0 dB
```

```
[ 701 ] TMC GAIN
RX: +0 dB TX: -2 dB
```

RELATED ITEMS

NONE

[437] 16TRK GAIN CONTROL

Allows gain levels to be adjusted on a per-trunk basis. There are two adjustments available in this MMC: 'TX' is the transmission level adjustment of the trunk to the station. 'RX' is the receiving level adjustment of the station to the trunk.

CONDITIONS

This function can be used only when the TRM or trunk card is installed in the system.

DEFAULT DATA

TX: 3

RX: 3

ACTION

- 1) Press Transfer button and enter 437.
Display shows:
- 2) Enter desired trunk number.(e.g., 705)
via the dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
OR
Select all.
- 3) Press Volume button to select trunk type (1~4) and
press Right Soft button to move cursor. (e.g. 4)
- 4) Press Volume button to select RX value(1~6) and
press Right Soft button to move cursor (e.g. 1)
- 5) Press Volume button to select TX value(1~6) and
press Right Soft button to move cursor (e.g. 5)
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 701 ] TRK TYPE : 3
RX : 3      TX : 3
```

```
[ 701 ] TRK TYPE : 3
RX : 3      TX : 3
```

```
[ ALL ] TRK TYPE : 3
RX : 3      TX : 3
```

```
[ ALL ] TRK TYPE : 4
RX : 3      TX : 3
```

```
[ ALL ] TRK TYPE : 4
RX : 1      TX : 3
```

```
[ ALL ] TRK TYPE : 4
RX : 1      TX : 5
```

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. COUNTER	5	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1-99.
1	AUTO RDL COUNTER	5	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 COUNTER	99	Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99.
3	DISA LOCK COUNTER	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.

DEFAULT DATA

SEE DESCRIPTION

ACTION

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

DISPLAY

ALARM REM. CENTER
05→

UCDS AUDIO ALARM
00→

UCDS AUDIO ALARM
00→02

RELATED ITEMS

NONE

[501] SYSTEM TIMERS

Allows the technician to adjust individual timers as necessary.

TIMER TABLE

Timer Name	Default	Range Unit	Description
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 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 an alarm reminder is set at a station.
ATT. RECALL TIME	30	0-250 SEC	This controls how long 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.
BOOTH TIME OUT (Hotel application only)	005	0-250 MIN	Controls the time for which a booth phone is enabled.
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 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 analogue CID trunk.
CLI DISPLAY TIME	5	1-25 SEC	The amount of time that the Caller ID information remains on the phone's display.
CO CLEAR TIME	30	0-250 SEC	The length of time a Direct Trunk Select key remains busy after clear-down.

(continued)

Timer Name	Default	Range Unit	Description
CO CONFIRM TIME	3	0-250 MIN	According to MMC 314 CO CONFIRM type, the outgoing call will be disconnected after this timer expires or the outgoing caller will hear the confirm tone.
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 an SVMi card.
DIAL PASS TIME	3	0-25 SEC	This timer monitors the 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 how long 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 determines when a DISA call is disconnected by force when a called party does not answer.
DISA PASS CHECK	30	1-250 MIN	This timer defines the period before the system clears the incorrect passcode counter.
DISA NO ACTION	10	0-250 SEC	This timer controls how long a DISA line will wait for further action from the caller.
DISPLAY DELAY TM	2	1-250 SEC	This timer controls how long a display is shown in the LCD and how long error tone is heard.
DOOR LOCK RELES.	500	100-2500 MSEC	This timer controls how long the door lock relay will be activated.
DOOR RING DETECT	50	10-250 MSEC	This timer controls the 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 how long a call is held exclusively at a station before recalling.

(continued)

Timer Name	Default	Range Unit	Description
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	120	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 hook-switch bounce LONGEST duration.
HOK FLASH MIN TM	80	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 hook-switch 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	200	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.
KMMC LOCK OUT TM	30	10-50 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 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	0-9 SEC	This timer controls the time when the system should start transmitting Authorisation Code after sending MCL access code(Cable& Wireless 131 access). Available in UK only.

(continued)

Timer Name	Default	Range Unit	Description
MS LED ON TIME	5	1-10 SEC	This timer controls the duration a Manual Signalling key will remain on after use.
OFF HOOK RING INT	15	1-250 SEC	This timer controls the 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 allowed to answer 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 how long a call is parked before recalling to the call park originator.
AP-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 determines the interval between periodic UCD reports 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.
RECALL DISCONNECT	2	1-250 MIN	This is the time an attendant recall will ring before being disconnected.
RECALL WAIT TIME	15	0-250 SEC	This is the time any recall(hold or transfer) continues to recall at your station before it recalls to the operator.
ROUTE OPTIMISE	5	0-250 SEC	When a call is made via Q-SIG signalling, route optimization is activated after this time.
SMDR START /DP	30	1-250 SEC	This grace period timer starts SMDR recording for rotary dialing.
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 to the holding station. This is a system-wide timer. Setting the timer to 000 means that no recalling will take place.

(continued)

Timer Name	Default	Range Unit	Description
TRANSFER RECALL	20	0-250 SEC	This timer determines how long transferred calls ring before recalling. This is a system-wide timer.
TRK AUTOMOH DISC	60	1-250 SEC	When set to ON, incoming trunk calls are connected to MOH automatically after the DISA ANSWR timer(MMC 503) expires. In this case the caller hears MOH. If the TRK AUTOMOH DISC timer expires before the call is answered, the call is disconnected.
TSW CONN. DELAY	0	0-10 SEC	When an incoming trunk makes an outgoing call to another trunk, the system connects the voice path after this time.
UCDS AUDIO ALARM	0	0-990 SEC	When an SVMi-20 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 ALARM	0	0-250 SEC	When an SVMi-20 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.
VOIP RE-ROUTE TM	15	0-25 SEC	If an outgoing call made via a VoIP trunk does not receive an acknowledgement message from the called party within this time, the call is treated as failed.



NOTE

When timers value is '0'

Some timers are disabled when their value is set to '0'.

DEFAULT DATA

SEE DESCRIPTION

SOME TIMERS DEPEND ON COUNTRY

ACTION

- 1) Press Transfer button and enter 501.
Display shows first timer value:
- 2) Press Volume button to select timer and press Right Soft button to move cursor.
- 3) Enter new value using keypad; if valid, system returns to step 2 with new value.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
AA INT DGT TIME  
05 SEC→
```

```
KMMC LOCK OUT TM  
060 SEC→
```

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

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.(1-250 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 recognise the default DTMF digit duration being transmitted from the SLT port.(100-9900 ms)
2	F-DGT DELY	This timer will be valuable for the system administrator to insert a suitable delay before generating DTMF digits for In-Band integration.(100-9900 ms)
3	OFFHK SEL.	This timer controls the grace period before placing an internal/external call as programmed in MMC 306.(0-250 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. (1-250 sec)
5	CC RNG DLY	If a station does not answer an incoming call within this time, other stations with a CC key for that station will ring.

CONDITIONS

NONE

DEFAULT DATA

NO ANS FWD: 015 SEC
 DTMF DUR: 100 MSEC
 F-DGT DELY: 600 MSEC
 OFFHK SEL: 008 SEC
 EFWD DELAY: 010 SEC
 CC RNG DLY: 010 SEC

ACTION

- 1) Press Transfer button and enter 502.
Display shows:
- 2) Dial station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button.
OR
Select all stations and press Right Soft button.
- 3) Enter new value(must be three digits) via dial keypad.(e.g., 020)
System will return to step 2.
- 4) Dial timer number from above list.(e.g., 1)
OR
Press Volume button to select and press Right Soft button to move cursor.
- 5) Enter new timer value.(must be four digits, e.g., 0200)
System returns to step 2.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

[201] NO ANS FWD
015 SEC →

[205] NO ANS FWD
015 SEC → _

[ALL] NO ANS FWD
015 SEC → _

[205] NO ANS FWD
015 SEC → 020

[205] DTMF DUR.
0100 MS → _

[205] DTMP DUR.
0100 MS → 0200

RELATED ITEMS

MMC 102
MMC 306

CALL FORWARD
HOT LINE/OFF HOOK SELECTION

[503] TRUNK-WIDE TIMERS

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

No	Item	Description	Range
00	ANS.BAK TM	ANSWER BACK TIME. This timer is used for certain types of E & M signalling 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

(continued)

No	Item	Description	Range
13	DISA ANSWR	This is a delay time to answer the DISA trunk call or to answer the trunk when TRK AUTO ANSWER is set to ON(MMC400).	0-9 SEC
14	CONN DELAY	This is the delay time to connect a voice path when users make outgoing calls via a loop trunk. This is to prevent users hearing noise when the loop trunk is seized.	0-2500 MSEC

DEFAULT DATA

ANS.BAK TM: 0600 MSEC
 CLEARING: 2000 MSEC
 CO SUPV TM: 0400 MSEC
 DTMF DUR.: 0100 MSEC
 F-DGT DELY: 0600 MSEC
 FLASH TIME: 0090 MSEC
 NO RING TM: 04 SEC
 PAUSE TIME: 03 SEC
 PRS DET TM: 0000 MSEC
 RNG DET TM: 0300 MSEC
 WINK TIME: 200 MSEC
 MF/DP INT: 0800 MSEC
 MFR DLY TIME: 00 SEC
 DISA ANSWR: 01 SEC
 CONN DELAY: 0000 MSEC

ACTION

- 1) Press Transfer button and enter 503.
Display shows:
- 2) Dial trunk number.(e.g., 704)
OR
Press Volume button to select trunk and press Right Soft button to move cursor.
OR
Select all trunks.
- 3) Dial timer number from the list.
OR
Press Volume button to select timer and press Right Soft button to move cursor.
- 4) Enter new timer value.(must be four digits, e.g., 0200)
System returns to step 2.

DISPLAY

[701] ANS.BAK TM
0600 MS →

[704] ANS.BAK TM
0600 MS →

[ALL] ANS.BAK TM
0600 MS →_

[704] DTMF DUR.
0100 MS →_

[704] DTMF DUR.
0100 MS → 0200

- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to 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	PULSE PER SECOND	Number of dial pulses per second(10 or 20)

DEFAULT DATA

MAKE/BREAK: 33 MAKE

PULSES PER SECOND: 10 PPS

ACTION

- 1) Press Transfer button and enter 504.
Display shows:
- 2) Dial 0 or 1 for option.
OR
Press Volume button for selection and press Right Soft button to move cursor.
- 3) Dial new value.
System returns to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

MAKE/BREAK RATIO
33 MAKE →

PULSE PER SECOND
10 PPS → _

PULSE PER SECOND
10 PPS → 20

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

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 505.
Display shows:
- 2) Enter new time and date using above table.
System returns to step 2.
- 3) Verify time and date.
Re-enter if necessary.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

OLD: 0111095:0901
NEW: YYMMDDW:HHMM

OLD: 0111095:0901
NEW: 0111121:1445

OLD: 0111121:1445
NEW: YYMMDDW:HHMM

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 provides 11 types of tone and three types of tone provided from Central Office or a PBX system can be detected.



When changing the MMC [506]

MMC [506] should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

No	Item	Description
00	BUSY TONE	The called station is busy.
01	CONFIRM/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 a ROP device or Loud Bell when these devices are called.
09	TRANSFER TONE	This is the tone heard when the transfer button is pressed or an SLT hook flashes.
10	DID RINGBACK	This is the tone heard by the outside party when they dial a DID number.
11	CO BUSY	This is used to detect the busy tone provided from Central Office or a 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.

DEFAULT DATA

(unit: milliseconds)

TONE	ON	OFF	ON	OFF
BUSY TONE	500	500	500	500
CONFIRM/BARGE-IN	200	200	200	5000
DIAL TONE	CONTINUOUS			

(unit: milliseconds)

TONE	ON	OFF	ON	OFF
DND/NO MORE TONE	250	250	250	250
ERROR TONE	500	500	500	500
HOLD/CAMP-ON TONE	500	3500	500	3500
MESSAGE WAIT TONE	1000	250	1000	250
RING BACK TONE	400	200	400	2000
RING TONE	1000	3000	1000	3000
TRANSFER TONE	100	100	100	100
DID RINGBACK TONE	1000	3000	1000	3000
CO BUSY TONE	350	350	350	350
CO RINGBACK TONE	400	200	400	2000
CO DIAL TONE	CONTINUOUS			

ACTION

- 1) Press Transfer button and enter 506.
Display shows:
- 2) Dial tone number from above list.(00-13, e.g., 09)
OR
Press Volume button to select tone, press Left Soft button and advance to step 3.
- 3) Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT.
OR
Press Volume button to select tone control and press Right Soft button to advance step 4.
OR
Press Left Soft button to return to step 2.
- 4) Dial new value for interrupt times.
(must be four digits)
Press Right Soft button advances cursor and press Left Soft button retreats cursor.
If valid entry, system returns to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
BUSY TONE
INTERRUPT TONE
```

```
TRANSFER TONE
INTERRUPT TONE
```

```
TRANSFER TONE
INTERRUPT TONE
```

```
TRANSFER TONE:0100
9900 0100 9900
```

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.

An RPO(Ring Plan Override) button 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 MMCs that program ring or termination destinations and station and trunk COS.

The following example may be useful when assigning ring plan times:

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 as the START time. The system will stay in the last active Ring Plan from the previous day until the end time which is 23:59. Monday starts Ring Plan 1 at 00:00. The system will stay in Ring Plan 1 until Ring Plan 2 starts(08:00) and will stay in Ring Plan 2 until Ring Plan 3 starts(10:00), and so on. As each ring Plan start it will override the previous Ring Plan.

If a Ring Plan expires and there are no additional Ring Plans set, the system will default to the Ring Plan with a 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 in MMC 758, VM DAY/NIGHT.
- Ring Plans must be programmed in sequence.(RP 1, 2, 3, 4, etc.) A Ring Plan cannot be omitted.(i.e. you cannot program RP 1, 2, 5, etc.)
- A higher numbered Ring Plan cannot have a START time which begins before a lower numbered Ring Plan.



NOTE

Ring Plan 1

Ring Plan 1 is the default Ring Plan for each day. If no Ring Plan destination is entered, the operator group is the default destination.

DEFAULT DATA

START: NONE

END: NONE

ACTION

- 1) Press Transfer button and enter 507.
Display shows:
- 2) Dial day ring number.(0-6, e.g., 3 for Weds)
OR
Press Volume button to select day.
Press Right Soft button to advance cursor to step 3.
- 3) Dial ring plan number.(1-6, e.g., 2)
OR
Press Volume button to select day.
Press Right Soft button to advance cursor to step 4.
- 4) Dial start time.(e.g., 1030)
If valid, cursor moves to end time.
Enter end time.
If valid, system returns to step 2.
Begin again.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
RING PLAN (SUN:1)
ST:      END:
```

```
RING PLAN (WED:1)
ST:      END:
```

```
RING PLAN (WED:2)
ST:_     END:
```

```
RING PLAN (WED:1)
ST:1030  END:1800
```

RELATED ITEMS

MMC 722

STATION KEY PROGRAMMING

MMC 723

SYSTEM KEY PROGRAMMING

[508] CALL COST

Set the Call Cost attributes generated by the system during a call. This information can be displayed on the phone during a call or as an SMDR record.

No	Display	Description
0	UNIT COST PER MP	When the system is installed to receive metering pulses 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.(Currency is PENCE or ECENTS depending on USE EURO option setting in MMC 210.)
1	CALL COST RATE	This generates additional call cost calculated by multiplying this rate by the original call cost. Ranges from 100 to 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.

DEFAULT DATA

UNIT COST PER MP: 0200 PENCE, CALL COST RATE: 100 PERCENT

ACTION

- 1) Press Transfer button and enter 508.
Display shows:
- 2) Dial 0 or 1.
OR
Press Volume button to select and press Right Soft button to move cursor.
- 3) Enter new value.(e.g., 110)
System returns to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

UNIT COST PER MP
0200 PENCE ™

CALL COST RATE
100 % ™

CALL COST RATE
110 % ™

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 five cadences available.



When changing the MMC [510]

MMC [510] should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

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 door phone 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.

DEFAULT DATA

(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

- Press Transfer button and enter 510.
Display shows:
- Dial cadence number from above list.(e.g., 3)
OR
Press Volume button to select
Press Left Soft button and advance to step 3.
- Dial new value for interrupt times.
(must be four digits)
Press Right Soft button to advance cursor.
Press Left Soft button to retreat cursor.
If valid entry, system returns to step 2.

DISPLAY

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

```
3:DOOR RING:0400
0100 0400 2000
```

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

- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to 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 systems with an MWSLI card. There are two choices for the MW lamp cadence: continuous and interrupted.

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

Systems with MWSLI cards only.

DEFAULT DATA

INTERRUPT LED: 1000MS-ON 1000MS-OFF

ACTION

- 1) Press Transfer button and enter 511.
Display shows:
- 2) Press 0 or 1 to select CADENCE.
OR
Press Volume button to make selection.
Press Right Soft button to advance step 3.
- 3) Dial new values for interrupt times.(four digits)

Press Right Soft button to move cursor back.
If valid entry, system returns to step 2.
Press Left Soft button to move cursor back.
If valid entry, system returns to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

MW LAMP CADENCE
INTERRUPT LED

MW LAMP CADENCE
INTERRUPT LED

MW LAMP CADENCE
2000 2000

RELATED ITEMS

NONE

[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.

DEFAULT DATA

NO HOLIDAY ASSIGNED
FOLLOWS RING PLAN 1

ACTION

- 1) Press Transfer button and enter 512.
Display shows the Ring Plan:
- 2) Press Right Soft button advance cursor.
Press Volume button to select a Ring Plan.
OR
Use the dial keypad to select a Ring Plan.(e.g., 2)
- 3) Press Right Soft button to enter and advance cursor.
- 4) Press Volume button to scroll to assign Holiday and press Right Soft button to advance cursor.
- 5) Press Volume button to select entry and press Right Soft button enter and advance cursor.
- 6) Dial date for holiday using the dial keypad.
(e.g., 0704)
- 7) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

RING PLAN
FOLLOW 1

RING PLAN
FOLLOW 2

RING PLAN
FOLLOW 2

ASSIGN HOLIDAY
01:

ASSIGN HOLIDAY
05:

ASSIGN HOLIDAY
05:0704

RELATED ITEMS

MMC 507

ASSIGN RING PLAN TIME

[513] HOTEL TIMER

This MMC is where the Hotel timers for guest-rooms are set. These are system-wide timers that affect all rooms. Refer to your Hotel documentation for more details.

No	Item	Description
0	CHECK OUT TIME	If a room is occupied after the checkout time, an additional day's room charge will be automatically added to the room bill. (If a room is flagged as Occupied and HOLD then the additional day's room charge will not be added. Setting a room status to HOLD allows a late checkout to 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 is used to decide if an additional day's room charge will be automatically added to the room bill when the first Check Out Time is reached. For example, if you set the Check In End time as 5 am, all rooms checked in before 5 am will be automatically charged an extra day at the Check Out Time (which might be, say, 11 am). Rooms checked in after 5 am will not be charged extra until the next day, if still occupied at the Check Out Time.

CONDITIONS

This function can be used only when the Hotel function is enabled in MMC 813, HOTEL OPERATION.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 513.
Display shows:
- 2) Select the timer using the Volume buttons.
- 3) Enter new time using 24-hour clock format
system returns to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

NONE

[514] TONE SOURCE

This program can assign an external tone source(e.g., a music source) instead of the normal system tone(TONE) for certain calls. The tones that can be changed are:

No	Type
0	BUSY TONE
1	DIAL TONE
2	DND TONE
3	TRANSFER TONE
4	MSG WAIT TONE
5	ERROR TONE
6	RINGBACK TONE

DEFAULT DATA

TONE

ACTION

- 1) Press Transfer button and enter 514.
Display shows:
- 2) Enter the tone number 0-6.(e.g., 1)
OR
Press Volume button to select tone number and press Right Soft button to move cursor.
- 3) Dial a number for external tone source.(e.g., 3762)
OR
Press Volume button to select tone number and press Right Soft button to store.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

BUSY TONE
TONE

DIAL TONE
TONE

DIAL TONE
3762

RELATED ITEMS

NONE

[515] DAYLIGHT ASSIGNMENT

Defines up to 10 summertime periods. The system time will automatically increase by an hour at 2 a.m. on the assigned Start date and will automatically decrease by an hour at 3 a.m. on the assigned End date.

Dates are entered as follows:

NO= entry number 01–10
 YY= year(last 2 digits, e.g., 05 for 2005)
 START = start date(MMDD, e.g., 0801 is 1st August)
 END = end date(MMDD, e.g., 0910 is 10th September)

For example, the entry might be:

NO : YY : START : END
01 : 05 : 3103 : 2710

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 515.
Display shows:
- 2) Dial 01–10 to select entry number.(e.g., 01)
OR
Press Volume button to select and press Right Soft button to move cursor.
- 3) Enter dates as described above.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to save and advance to next MMC.

DISPLAY

NO : YY : START : END
01 : : : :

NO : YY : START : END
01 : _ : : :

NO : YY : START : END
01 : 05 : 3103 : 2710

RELATED ITEMS

MMC 505	ASSIGN DATE AND TIME
MMC 861	SYSTEM OPTIONS(AUTO UPDATE TIME)

[600] ASSIGN OPERATOR GROUP

Used to assign an operator group for each ring plan.

DEFAULT DATA

RING PLAN 1-6: 500

ACTION

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

DISPLAY

```
OPERATOR GROUP
1:500  2:500
```

```
OPERATOR GROUP
1:500  2:500
```

```
OPERATOR GROUP
1:501  2:500
```

RELATED ITEMS

MMC 601

ASSIGN STATION GROUP

[601] ASSIGN STATION GROUP

This MMC is used to build all station groups. There are 40 programmable groups available.

The options for setting up these groups are as follows:

No	Option	Description
0	TYPE	<p>This is the type of group you are creating and can be one of the following:</p> <ul style="list-style-type: none"> 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.. 2 UCD: Used to build a UCD group. The system will support two methods of UCD: <p>TYPE 1 UCD</p> <p>The group OVERFLOW/N-ANS destination(see below) is defined as an SLT port to which you must connect some type of announcement device to play to callers while they are on hold.</p> <p>Please note that this type of UCD group has the following limitations.</p> <ul style="list-style-type: none"> 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. <p>TYPE 2 UCD</p> <p>The group OVERFLOW/N-ANS destination(see below) is defined as an AA port or group. This will only work if an AA card has been installed in the system.</p> <p>The digital announcer in the AA card will supply two recorded announcements to callers in queue. The first announcement is played only once, the second announcement will repeat for as long as the caller is in queue.</p> <p>This type of UCD group has the following advantages:</p> <ul style="list-style-type: none"> a) No external device need be installed to provide an announcement. b) Multiple callers can hear the announcement(s) simultaneously. c) Callers hearing the announcement will be transferred to a free UCD group member(agent) as soon as the agent becomes available.

(continued)

No	Option	Description
0	TYPE(contd)	<p>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.</p> <p>3 AA: This is used to group a number of AA ports. An Auto Attendant(AA) card must be installed in the system to do this.</p> <p>4 BI-VMS: This is the voice mail group for the Built-In Voice Mail card.</p> <p>5 MESSAGE: Used to group a number of extensions to serve as a message desk or message group. When one of the stations in this type of group leaves a message to another station the messaged station will return the message to the message group so any member can answer the call. If a station is a member of more than one message group, then any message indications made by that station would be for the first numerical message group they are a member of. It is not recommended to program stations in to multiple station groups.</p> <p>6 S0 STN GRP: This is used to group a number of S0 stations for a video conference.</p> <p>7 VMSUCD GRP: This is used to collect UCD queuing prompts from the SVMi-20. The group members will be the VM ports.</p>
1	RING MODE	<p>Each group can have one of the following ring modes. This will decide how calls are placed to the group.</p> <p>0 SEQUENTIAL: The stations listed as 'members'(see below) will be called on a 'first available' basis. Calls will first go to the first member; if the first member is busy, calls will go to the second member; if the second member is busy, calls will go to the third member, and so on. This type of group is useful for placing the bulk of the incoming calls with a selected individual, and other members only getting the calls when that member is busy. The number of members allowed for a sequential group is 48.</p> <p>1 DISTRIBUTED: The first call will go to the first member, the second call will go to the second member, the third call will go to the third member. This type of group is useful for evenly distributing the call among all group members. The number of members allowed for a distributed group is 48.</p> <p>2 UNCONDITIONAL: Calls are placed to all group members simultaneously. This reduces the number of members of the groups to 32. If a group member is busy, they can receive off-hook ring if defined in MMC 300. This ring mode option is not available for UCD or VMAA groups. The SGR INC BUSY option is not available for unconditional ring mode.</p>

(continued)

No	Option	Description
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 is a common bell port on each MIS 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 32 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. 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.
9	ALLOUT NEXT	If all members are log-out, the call would be send to next port.
10	RBT MSG	If set ON, coloring service can be used by using svmi message.



NOTE

Calls to a group

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

CONDITIONS

- A station can be assigned to all station groups. A station group can accommodate up to 32 members-
- To enable off-hook ring for incoming calls to busy members, set OFFHOOK RING in MMC 300, CUSTOMER ON/OFF PER STATION, 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:
- 2) Dial group number.(e.g., 505)
OR
Press Volume button to select group and
Press Right Soft button to move cursor.
- 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.
- 4) DIAL group type.(e.g., 1)
OR
Press Volume button to make selection and
press Left Soft button to move cursor to TYPE.
- 5) Dial feature option number.(0-6, e.g., 1)
OR
Press Volume button to scroll options and
press Right Soft button to move cursor.
- 6) Dial ring option.(0-2, e.g., 0)
OR
Press Volume button to make selection.
Press Left Soft button to move cursor
back to RING or press Right Soft button to
return to step 2.

```
[ 501 ] STN.GROUP
TYPE:NORMAL GRP
```

```
[ 505 ] STN.GROUP
TYPE:NORMAL GRP
```

```
[ 505 ] STN GROUP
TYPE:VMAA GROUP
```

```
[ 505 ] STN GROUP
TYPE:VMAA GROUP
```

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

```
[ 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 to save and exit.
OR
Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 203	ASSIGN UA DEVICE
MMC 204	COMMON BELL CONTROL

[602] STATION GROUP NAME

Allows the system administrator or technician to enter a name up to 11 characters to identify an individual station group.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

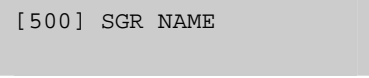
DEFAULT DATA

NONE

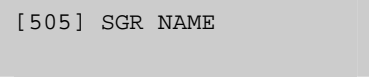
ACTION

- 1) Press Transfer button and enter 602.
Display shows:
- 2) Dial group number.(e.g., 505)
OR
Press Volume button to make selection and press Left or Right Soft button to move cursor.
- 3) Enter name.
- 4) Press Left or Right Soft button to return to step 2.
OR
Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

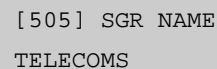
DISPLAY



[500] SGR NAME



[505] SGR NAME



[505] SGR NAME
TELECOMS

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 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 60 members per group.



NOTE

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.

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

- 1) Press Transfer button and enter 603.
Display shows:
- 2) Enter valid trunk group.(e.g., 9)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Press Right Soft button to change mode.
OR
Press Volume button to change mode to member.
- 4) Press Right Soft button to move cursor to number of member and enter valid member number (e.g., 05) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

DISPLAY

```
[ 9 ] TRK GROUP
MODE : SEQUENTIAL
```

```
[ 9 ] TRK GROUP
MODE : SEQUENTIAL
```

```
[ 9 ] TRK GROUP
MEMBER 01 : NONE
```

```
[ 9 ] TRK GROUP
MEMBER 05 : NONE
```

- 5) Enter valid trunk number.(e.g., 729)
OR
Press Volume button to make selection and press
Right Soft button to return to step 2.
- 6) Repeat steps 1-5 to remove trunk from group 9
if necessary.
- 7) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

[9] TRK GROUP
MEMBER 01 : 729

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 32 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.

DEFAULT DATA

NO STATIONS ASSIGNED

ACTION

- 1) Press Transfer button and enter 604.
Display shows:
- 2) Enter the page zone number.(0-4, e.g., 3)
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter index number(e.g., 05) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter station number(e.g., 205) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
INT.PAGE ZONE(0)
MEMBER 01:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 01:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 05:NONE
```

```
INT.PAGE ZONE(3)
MEMBER 05:205
```

RELATED ITEMS

NONE

[605] ASSIGN EXTERNAL PAGE ZONE

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

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 605.
Display shows first page zone:
- 2) Dial page zone number.(e.g., 6)
OR
Use Volume button to select desired page zone numbers and press Right Soft button to move the cursor.
- 3) Dial member number.(e.g., 3)
OR
Use Volume button to select member numbers and press Right Soft button to move the cursor.
OR
Press Left Soft button to return to step 2.
- 4) Dial relay number via dial keypad.(e.g., 3751) and press Right Soft button to return to step 2.
OR
Press Left Soft button to return to step 3 above.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
EXT. PAGE ZONE( 5 )  
MEMBER 1 :NONE
```

```
EXT. PAGE ZONE( 6 )  
MEMBER 1 :NONE
```

```
EXT. PAGE ZONE( 6 )  
MEMBER 3 :NONE
```

```
EXT. PAGE ZONE( 6 )  
MEMBER 3 :3751
```

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 200 speed dial numbers may be allocated as needed. The system list can have up to 50 numbers (or 95 numbers if set in MMC 861 SYSTEM OPTIONS) and each station can have up to 5 numbers. Speed dial numbers are assigned in blocks of 10. Each speed number may contain up to 24 digits.

DEFAULT DATA

SYSTEM: 200 ENTRIES

STATIONS: 1 BLOCK ASSIGNED

ACTION

- 1) Press Transfer button and enter 606.
Display shows:
- 2) Press Right Soft button to advance to next line.
OR
You can view BUSY LIST using Volume button.
- 3) Make a selection of SYSTEM or EXT using Volume button and press Right Soft button to advance cursor.
- 4) Enter desired extension number via dial keypad.
(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.

DISPLAY

```
FREE LIST:20
SYSTEM:20
```

```
FREE LIST:20
SYSTEM:20
```

```
BUSY LIST:180
SYSTEM:20
```

```
FREE LIST:20
EXT201:1
```

```
FREE LIST:20
EXT205:1
```

- 5) Enter valid number for bins.
(e.g., 0-5 for EXT or 00-50 for SYSTEM)
OR
Press Volume button to make selection.
OR
Press Hold button to delete bin(s).

FREE LIST:20
EXT205:5

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

RELATED ITEMS

MMC 105	STATION SPEED DIAL
MMC 106	STATION SPEED DIAL NAME
MMC 705	ASSIGN SYSTEM SPEED DIAL
MMC 706	SYSTEM SPEED DIAL BY NAME

[607] UCD OPTIONS

Sets up UCD options when an AA card has been installed. MMC 601 must have already been used to define a UCD group with an overflow destination of an AA port or group. (A group is preferred over a port because a group allows multiple paths into the AA card and therefore has greater traffic handling capabilities.) When the 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.

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. 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 Time), the caller will be played the second message. 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.

(continued)

No	Option	Description
04	FINAL DESTINATION	<p>This is the final destination for the caller if not answered by a UCD agent.</p> <p>This destination is only reached if(a) the caller dials an exit digit during a message or(b) the retry count has expired. The final destination can be a station number, a group number, a disconnect or another plan. Plans are entered by pressing button 'A' plus two digits 01-12. A disconnect is entered as a destination of NONE.(Hold button)</p> <p>If the final destination is a voice mail port, the port will receive a FWD from UCD group integration message. The final destination will forward or overflow.</p> <p>If the forward to destination is a voice mail port the port will receive FWD from UCD group integration message. If the final destination is not forwarded, the call will ring or camp on to the final destination indefinitely.</p> <p>To ensure that you do not get a situation where all the call buttons are busy on the final destination it is advisable to make the final destination a group.(even if the group has only one station in it.)</p>
05	RING NEXT TIME	<p>This timer must be shorter than the overflow timer in MMC 601. If a higher value is entered, the display will show invalid entry. In the case where a UCD group has the ring next timer set at 000, an unanswered call will rotate evenly among all agents until it is answered. The UCD greetings will be heard during this routing process, but can be removed by defining the UCD messages in MMC 607 as unrecorded message numbers. This will simulate a circular hunt group.</p>
06	UCD RECALL TIME	<p>After a caller has heard a UCD announcement, they will be placed on hold until an agent becomes available or the UCD recall timer expires. When the UCD recall timer expires, the caller will again hear the UCD announcement. The range is 00-99. The default is 10.</p>
07	MOH SOURCE	<p>This option determines what Music-On-Hold source callers will be connected to between messages.</p>
08	WRAP-UP TIME	<p>This option will make a UCD agent unavailable to receive additional UCD calls after hanging up from the last one. This is to allow agents to complete work associated with the previous call before the next call begins ringing. The range is 000-250. The default is 010.</p>

(continued)

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.

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
 GROUP BUSY NEXT: OFF

ACTION

- 1) Press Transfer button and enter 607.
Display shows:
- 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.
- 3) Press Right Soft button and advance to next option.
Use the Volume buttons to make a selection.
OR
Make a selection using the dial keypad.
- 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.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 530 ] UCD OPTION
FIRST MSG : 61
```

```
[ 542 ] UCD OPTION
FIRST MSG : 61
```

```
[ 530 ] UCD OPTION
FIRST MSG : 25
```

```
[ 530 ] UCD GROUP
UCD RECALL:10 SEC
```

```
[ 530 ] UCD OPTION
UCD RECALL:10 SEC
```

```
[ 530 ] UCD OPTION
EXIT CODE : NONE
```

RELATED ITEMS

MMC 601

ASSIGN STATION GROUP

[608] ASSIGN REVIEW BLOCK

Provides a 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 items such as voice mail and DPIMs or phones that do not have displays. The free list will show how many bins are left to be assigned. The system has 1000 total bins. Each phone may be assigned a maximum of 50 bins.

DEFAULT DATA

PHONES: 10 BINS

ACTION

- 1) Press Transfer button and enter 608.
Display shows first station:
- 2) Enter desired EXT number.(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Enter valid number for bins.(e.g., 50)
OR
Press Volume button to make selection.
OR
Press Hold button to delete bin(s).
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[201] REVIEW BLK
10:0060 FREE
```

```
[205] REVW BLOCK
10:0060 FREE
```

```
[205] REVW BLOCK
50:0010 FREE
```

RELATED ITEMS

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

[609] CALL LOG BLOCK

Provides a means of adding or deleting Call Log blocks for an individual phone. With the ability to delete blocks it will not be necessary to waste these on items such as voice mail and DPIMs or phones that do not have displays. The free list will show how many bins are left to be assigned. The system has 1000 total bins. Each phone may be assigned a maximum of 50 bins.

DEFAULT DATA

PHONES: 10 BINS

ACTION

- 1) Press Transfer button and enter 609.
Display shows first station:
- 2) Enter desired EXT number.(e.g., 205)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Enter valid number for bins.(e.g., 50)
OR
Press Volume button to make selection.
OR
Press Hold button to delete bin(s).
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[201] LOG BLOCK  
10:0070 FREE
```

```
[205] LOG BLOCK  
10:0070 FREE
```

```
[205] LOG BLOCK  
50:0030 FREE
```

RELATED ITEMS

NONE

[611] ALLOW TEXT MESSAGING

This program allows stations to send text messages to other stations if they are busy or during an OHVA. Up to 20 stations can be allowed text messaging.

DEFAULT DATA

- NOT USED(no text messaging allowed)
- ITP-5012L(Large LCD) keysets are automatically set to USED(text messaging allowed)

ACTION

- 1) Press Transfer button and enter 611.
Display shows:
- 2) Enter the number of a station.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Specify whether text messaging will be used or not.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 201 ] TMSG STN
NOT USED:100 FREE
```

```
[ 202 ] TMSG STN
NOT USED:100 FREE
```

```
[ 202 ] TMSG STN
USED
```

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 **20** stations can be allowed this feature. Each allowed station can have up to five pre-programmed conference groups.

CONDITIONS

This feature is only for Large LCD phones.(e.g., ITP-5012L, DS-5012L, WIP-5000M)

DEFAULT DATA

Large LCD phones are automatically set to allow this feature.(USED)

ACTION

- 1) Press Transfer button and enter 612.
Display shows:
- 2) Enter the number of a station.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Specify whether Group Conference feature can be used or not.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 201 ] CONF STN
NOT USED:100 FREE
```

```
[ 202 ] CONF STN
NOT USED :100 FREE
```

```
[ 205 ] CONF STN
USED
```

RELATED ITEMS

MMC 118

CONFERENCE GROUP

[614] STATION/TRUNK USE GROUP

This program allows you to assign stations to station use groups and trunks to trunk use groups. This is useful if you want to restrict calling between stations, outgoing calls through a trunk lines, or call answering.

CONDITIONS

Station use groups are numbered from 001 to 100, and trunk use groups from 101 to 200.

DEFAULT DATA

ALL STATIONS: 001
ALL TRUNKS: NONE

ACTION

- 1) Press Transfer button and enter 614.
Display shows first station:
- 2) Enter 0 if you want to set a station group.
Enter 1 if user want to set a trunk group.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Enter number of station/trunk.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 4) Enter the number of the use group.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
STATION GROUP
201 :001
```

```
TRUNK GROUP
701 :101
```

```
TRUNK GROUP
702 : 101
```

```
TRUNK GROUP
702 : 101
```

RELATED ITEMS

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

[615] MGI GROUP

This program assigns designated MGI ports to specific services. This allows ‘grading’ of MGI card(s) for traffic conditions. The MGI ports can be segregated into groups. Any entries made here may be ineffective if conflicting entries exist in MMC 616.

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 7100 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 7100 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 have two selection modes: Sequential or Distributed. The members for each selection are the actual ports on the MGI card(s).

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

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

DISPLAY

```
USER: LOCAL ITP  
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP  
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP  
MODE: SEQUENTIAL
```

```
USER: LOCAL ITP  
MODE: SEQUENTIAL
```

RELATED ITEMS

NONE

[616] MGI USER

This program selects which specific MGI ports will be dedicated on a per-port basis for IP station/trunk devices. If this MMC is not used, allocation of MGI ports will be controlled by MMC 615. 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 MMC 615.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 616.
Display shows the first available option:
- 2) Enter MGI dial number.
OR
Press Volume button to select an MGI port and press Right Soft button to move cursor.
- 3) Enter MGI user dial number.
OR
Press Volume button to select an MGI user and press Right Soft button to store and move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 3801] MGI USER
NONE
```

```
[ 3801] MGI USER
NONE
```

```
[ 3801] MGI USER
NONE
```

RELATED ITEMS

NONE

[700] COPY COS CONTENTS

This MMC allows the technician to duplicate classes of service.

DEFAULT DATA

NONE

PROGRAM BUTTONS

'F' KEY Used to advance to MMC 701

ACTION

- 1) Press Transfer button and enter 700.
Display shows:
- 2) Dial selected COS to copy.(e.g., 05)
OR
Press Volume button to select COS and press.
Right Soft button to move cursor and advance
to next step.
- 3) Dial target COS.(e.g., 06)
OR
Press Volume button to select COS and press
Right Soft button to move cursor back to step 2.
- 4) Press F key to advance MMC 701 and press
Right Soft to advance cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
COPY COS ITEMS
COS01→COS01
```

```
COPY COS ITEMS
COS05→COS01
```

```
COPY COS ITEMS
COS05→COS06
```

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

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(COS). 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 FEATURE	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	NO	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		

(continued)

No	Category	Description			
		No	COS	Default	Description
1	USABLE FEATURE	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		

(continued)

No	Category	Description			
		No	COS	Default	Description
1	USABLE FEATURE	53	REM. HOLD	YES	Remote Hold
		54	RNG PLAN	YES	Ring Mode Change
		55	SECURE	YES	Barge-In secure
		56	SET RLOC	NO	Set Relocation
		57	SSPD TOL	YES	System Speed dial toll check
		58	STN LOCK	YES	Station Lock
		59	SYS SPD	YES	System Speed dial
		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 GROUP	STN GROUP 01-80		YES	Station group 01~80 calling
3	CALL TRUNK GROUP	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

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 701.
Display shows:
- 2) Dial COS.(e.g., 06)
OR
Press Volume button to select COS number and press Right Soft button to move cursor.
- 3) Dial COS contents categories.
(e.g., 1 for Usable Features)
OR
Press Volume button to select COS categories and press Right Soft button to move cursor.
- 4) Dial COS usable feature option.(e.g., 12)
OR
Press Volume button to select option and press Right Soft button to move cursor.
- 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.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

```
COS CONTENTS(06)
12:DND      :YES
```

```
COS CONTENTS(06)
12:DND      :NO
```

RELATED ITEMS

MMC 700

COPY COS CONTENTS

[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 table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards(MMC 704, Assign Wild Character), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704.

Six toll levels, B to G, are programmable. Toll level A is set as 'unrestricted' by default and toll level H is set as 'in-house only' by default.

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

PROGRAM BUTTONS

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

ACTION

- 1) Press Transfer button and enter 702.
Display shows:
- 2) Dial index number.(e.g., 005)
OR
Press Volume button to select index and press Right Soft button to move cursor.
- 3) Enter toll pattern via dial keypad.(e.g., 212)
OR
Enter wild card(e.g., 21X) and press Right Soft button to move cursor to COS options.
- 4) Press Volume button to move cursor along line until under toll class mark.(e.g., E).
Enter a 1 for 'Yes' or 0 for 'No'.
Press Right Soft button to store and return to step 1.
OR
Press Left Soft button to return to step 2.

DISPLAY

```
DENY ( 001 ) : BCDEFG
                : 000000
```

```
DENY ( 005 ) : BCDEFG
_          : 000000
```

```
DENY ( 005 ) : BCDEFG
212_       : 000000
```

```
DENY ( 005 ) : BCDEFG
21X_       : 000000
```

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


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

RELATED ITEMS

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 500 allowable entries in the allow table for an OfficeServ 7100-main 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. Six toll levels, B to G, are programmable. Toll level A is set as 'unrestricted' by default, and toll level H is set as 'in-house only' by default.

DEFAULT DATA

ALL ENTRIES ARE SET TO 0

PROGRAM BUTTONS

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

ACTION

- 1) Press Transfer button and enter 702.
Display shows:
- 2) Dial index number.(e.g., 005)
OR
Press Volume button to select index and press Right Soft button to move cursor.
- 3) Enter toll pattern via dial pad.(e.g., 202)
OR
Enter wild card(e.g., 20X) and press Right Soft button to move cursor to COS options.

DISPLAY

```
ALOW(001):BCDEFG
          :000000
```

```
ALOW(005):BCDEFG
_          :000000
```

```
ALOW(005):BCDEFG
202_     :000000
```

```
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'.
Press Right Soft button to store and return to step 1.
OR
Press Left Soft button to return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

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

RELATED ITEMS

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 desired. There are only three entry tables but more than one digit can be assigned per table if needed.

DEFAULT DATA

X ENTRIES SET TO 1
Y AND Z ENTRIES SET TO 0

ACTION

- 1) Press Transfer button and enter 704.
Display shows:
- 2) Press Volume button to select X, Y, or Z(e.g., Z) and press Right Soft button to advance cursor to option line.
- 3) Press Volume button to move cursor to option digit desired(e.g., 5) and enter 1.(put under other digits as required)
Press Left Soft button to return to step 2.
OR
Press Right Soft button to return to step 1.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
:0123456789*#
X:111111111111
```

```
:0123456789*#
Z:000000000000
```

```
:0123456789*#
Z:000001000000
```

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 450 entries available for programming.(or 950 entries if set in MMC 861 SYSTEM OPTIONS) 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.

NOTE: If 500 entries are allowed, the bin numbers are 500-945; if 950 entries are allowed, the bin numbers are 050-999.

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 CID translation table(MMC 728)

ACTION

- 1) Press Transfer button and enter 705.
Display shows:
- 2) Dial speed index desired.(e.g., 505)
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter access code(e.g., 9) plus the phone number up to 24 digits(digits will scroll under) and press Right Soft button to return to step 2.
- 4) Press F key to toggle to MMC 706 step 3 to enter name.

DISPLAY

```
SYS SPEED DIAL
500:
```

```
SYS SPEED DIAL
505: _
```

```
SYS SPEED DIAL
505:9-121223456789_
```

```
SYS SPEED NAME
505: _
```

- 5) If you want to save the speed dial number and name to the CID translation table.(MMC 728)

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

Press the ANS/RLS button and dial 1 for YES.
(The speed dial name must exist)

- 6) Press Transfer button to save and exit.
OR

Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 606	ASSIGN SPEED BLOCK
MMC 706	SYSTEM SPEED DIAL BY NAME

[706] SYSTEM SPEED DIAL BY NAME

Allows a name up to 11 characters 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.

ENTERING CHARACTERS

Refer to 'ENTERING 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 CID translation table(MMC 728).
---------	--

ACTION

- 1) Press Transfer button and enter 706.
Display shows:
- 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.

DISPLAY

```
SYS SPEED NAME
_500 :
```

```
SYS SPEED NAME
505 : _
```

- 3) Enter name using dial keypad and press Right Soft button to return to step 2.

```
SYS SPEED NAME
505:TELECOMS
```

OR

Press the F key to return to MMC 705, step 3.

```
SYS SPEED DIAL
505: _
```

- 4) If you want to save the speed dial number and name data to the CLI translation table.(MMC 728)
Press ANS/RLS button and dial 1 for YES.
(The speed dial number must exist)

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

- 5) Press Right Soft button to return to step 2 above.

OR

Press Transfer button to save and exit.

OR

Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 606

ASSIGN SPEED BLOCK

MMC 705

ASSIGN SYSTEM SPEED DIAL

[707] AUTHORIZATION CODE

Enables the authorization feature on a per-class of service selection. There are 500 available entries. Authorization codes must be 4-10 digits long.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 707.
Display shows:
- 2) Dial code index number.(e.g., 005)
OR
Press Volume button to selected index number and press Right Soft button to move cursor.
- 3) Enter authorization code(minimum of four digits and a maximum of 10 digits) via dial keypad (e.g., 1234567890) and press Right Soft button to move cursor.
- 4) Enter class of service number 01-30.(e.g., 05)
OR
Press Volume button to select COS and press Right Soft button to select and return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
AUTHOR.CODE(001)
          C:01
```

```
AUTHOR.CODE(005)
          C:01
```

```
AUTHOR.CODE(005)
1234567890 C:01
```

```
AUTHOR.CODE(005)
1234567890 C:05
```

RELATED ITEMS

MMC 305	ASSIGN FORCED CODE
MMC 701	ASSIGN COS CONTENTS

[708] ACCOUNT CODE

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

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 708.
Display shows:
- 2) Dial code index number.(e.g., 005)
OR
Press Volume button to selected index number
and press Right Soft button to move cursor.
- 3) Enter account code(maximum 12 digits) via
dial keypad(e.g., 1234) and press Right Soft button
to move cursor back to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

ACCOUNT CODE

001:

ACCOUNT CODE

005: _

ACCOUNT CODE

005:1234_

RELATED ITEMS

MMC 305

ASSIGN FORCED CODE

[709] TOLL PASS CODE/SPECIAL CODE TABLE

This MMC provides a means to program 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 when the system is used with either a PBX or a CENTREX-supplied dial tone. Toll restriction will only be applied on trunks flagged as PBX in MMC 401 if a trunk access code entered in this table is dialed. Toll restriction will be applied to the digits following the trunk access code.
1	SPECIAL CODE	This table identifies 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 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 the 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.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 709.
Display shows:
- 2) Select PBX, SPECIAL CODE, TOLL OVERRIDE or OVRD USE TRK GRP.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter index number.(e.g., 3)
OR
Press Volume button to make selection and press Right Soft button to move cursor.

DISPLAY

PBX ACCESS CODE

1 :

TOLL OVERRIDE

1 :

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

TOLL OVERRIDE
3:911

RELATED ITEMS

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

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 entries 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.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

```
LCR DIGIT (0001)
DIGIT:
```

```
LCR DIGIT (0005)
DIGIT: _
```

```
LCR DIGIT (0005)
DIGIT: 305426
```

```
LCR DIGIT (0005)
LENGTH: 10 RT: 01
```

```
LCR DIGIT (0005)
LENGTH: 10 RT: 01
```

RELATED ITEMS

MMC 712

LCR ROUTE TABLE

[711] LCR TIME TABLE

This table, through the LCR ROUTES, allows 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.

DEFAULT DATA

NONE

ACTION

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

DISPLAY

LCR TIME (SUN:A)
HHMM: LCRT:-

LCR TIME (WED:A)
HHMM: LCRT:-

LCR TIME (WED:B)
HHMM: LCRT:-

LCR TIME (WED:B)
HHMM:0800 LCRT:-

LCR TIME (WED:B)
HHMM:0800 LCRT:1

RELATED ITEMS

MMC 710	LCR DIGIT TABLE
MMC 712	LCR ROUTE TABLE
MMC 713	LCR MODIFY DIGIT 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 pre-determined trunk group. There is a maximum of 99 routes available.

If more than one trunk group is available for call completion, the system uses the first designated trunk group and then the succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 712.
Display shows:
- 2) Dial LCR ROUTE table number.(e.g., 05)
OR
Press Volume button to selected table and press Right Soft button to move cursor.
- 3) Dial TIME BAND index number 1-4.(e.g., 2)
OR
Press Volume button to selected index and press Right Soft button to move cursor.
- 4) Dial LCR COS number 1-8.(e.g., 4)
OR
Press Volume button to selected COS and press Right Soft button to move cursor.
- 5) Dial TRUNK GROUP access code.(e.g., 801)
OR
Press Volume button to selected access code and press Right Soft button to move cursor.

DISPLAY

```
LCR ROUTE (01:1)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:1)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:1 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:4 G:NONE M:---
```

```
LCR ROUTE (05:2)
C:4 G:801 M:---
```

- 6) Dial MODIFY DIGITS index number.(e.g., 050)
OR
Press Volume button to selected index number and
press Right Soft button to move cursor.
OR
Press Right Soft button to skip step and move
cursor to step 2.
- 7) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

```
LCR ROUTE (05:2)
C:4 G:801 M:050
```

```
LCR ROUTE (05:2)
C:4 G:801 M:---
```

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 is sometimes referred to as Outgoing Dial Rules. It enables the system to add or delete a digit string or singular digit if needed to complete a call. With these digits inserted, a long distance call will be placed over a local line using the common carrier network. The characters * and # can also be entered. There are 200 modify digit entries available.

Option	Description	Max. No. of Digit Entries
NOF DEL DGT	Number of digits to delete	15
I	Insert(before dialling string)	14
A	Append(after dialling string)	14

DIGIT STRING KEY

Insert String + Digit String(delete) + Append String

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 713.
Display shows:
- 2) Enter index number.(e.g., 005)
OR
Press Volume buttons to make selection and press Right Soft button to move cursor.
- 3) Enter number of digits to delete.
OR
Press Right Soft button to skip step and move cursor to next step.
- 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.

DISPLAY

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

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

```
LCR MODIFY (005)
NOF DEL DGT:01
```

```
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.

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

LCR MODIFY (005)
A: _

RELATED ITEMS

MMC 310	LCR CLASS OF SERVICE
MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE 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. A name up to 11 characters can be added to the number. There is a maximum of 999 entries. If there is no matching number on DID service, the call is routed to the operator group.

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 if the call is placed on hold. There are four possible music selections.
PRI	DID priority option. There are nine priority levels: priority 1 is the highest and priority 9 is the lowest. When calls come into a station group and all group members are busy, the system will assign a priority to the DDI numbers so that calls from a high-priority DDI number will be placed at the front of the group queue. If this option is set to NO, the call held longest in the group queue has the highest priority.
RING PLAN 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 a trunk or trunk group is selected the trunks must be programmed as E & M trunks to allow the received digits to be re-sent. This is referred to as DID Repeat digits over tie line. Entering the character 'B' means to repeat the received digits.
CW	Call Waiting Yes/No.(Allows a second DID call to be received.)
MC	The maximum call count. When this is set to 99, the feature will not work. When set to 0, if a call comes in that matches DID digits and DGT field then the system will reject the call. When set between 1 and 98, if a call comes in that matches DID digits and DGT field then the system counts the same DID digits, and if the count is the 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	Enter up to 11 characters to identify call. Refer to MMC 104, STATION NAME, for how to enter the name.
TONE	Assigns ring tone to DLI port.
CADENCE	Assigns ring cadence to SLT port.

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

RELATED ITEMS

[715] PROGRAMMED STATION MESSAGE

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

ENTERING CHARACTERS

Refer to ENTERING CHARACTERS in MMC 104, STATION NAME.

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.

DEFAULT DATA

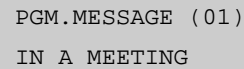
TEN PROGRAMMED MESSAGES:

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

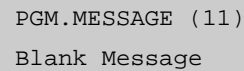
ACTION

- 1) Press Transfer button and enter 715.
Display shows:
- 2) Enter message number.(e.g., 11)
OR
Press Volume button arrow to make selection.
Press Right Soft button to move cursor.
- 3) Enter message via dial keypad.(maximum 16 characters)
Use 'A' button to toggle upper case/lower case.
Press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

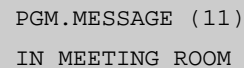
DISPLAY



```
PGM.MESSAGE (01)  
IN A MEETING
```



```
PGM.MESSAGE (11)  
Blank Message
```



```
PGM.MESSAGE (11)  
IN MEETING ROOM
```

RELATED ITEMS

MMC 115 SET PROGRAMMED MESSAGE

[716] UK LCR OPTION

This MMC provides UK LCR options.

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)

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 716.
Display shows:
- 2) Enter option number 0-3.
OR
Press Volume buttons to select number and press Right Soft button to move cursor.
- 3) Enter number 0-16.
OR
Press Volume buttons to select number and press Right Soft button to move cursor.
- 4) Enter network access code via dial keypad.

DISPLAY

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

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

```
NETWORK CODE
02 : _    USE:NONE
```

```
NETWORK CODE
02 : 1234 USE: _NONE
```

- 5) Enter use option number.(0-3)
OR
Press Volume button to make selection and press
Right Soft button to save and return to step 3.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

NETWORK CODE
02:1234 USE:CCC

RELATED ITEMS

MMC 400	CUSTOMER 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 numbers or PIN numbers. These numbers are used to log UCD agents into the UCD groups. There are 100 available entries and each entry is tied to a specific UCD group. Agent ID codes can be up to 4 digits long.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 717.
Display shows:
- 2) Dial code entry number.(e.g., 005)
OR
Press Volume buttons to select number and press Right Soft button to move cursor.
- 3) Enter ID code via dial keypad(e.g., 1234) and press Right Soft button to move cursor.
- 4) Enter group number.(e.g., 505)
OR
Press Volume button to select group and press Right Soft button to select and return to step 2.
OR
Select all groups.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
AGENT PIN (001)
ID:      GRP:NONE
```

```
AGENT PIN (005)
ID:_     GRP:NONE
```

```
AGENT PIN (005)
ID:1234 GRP:NONE
```

```
AGENT PIN (005)
ID:1234 GRP:505
```

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.

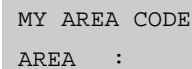
DEFAULT DATA

NONE

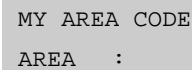
ACTION

- 1) Press Transfer button and enter 718.
Display shows:
- 2) Enter 0 for COUNTRY or 1 for AREA.
OR
Press Volume buttons to make selection and press Right Soft button to move cursor.
- 3) Enter area code(maximum 4 digits) via dial keypad (e.g., 2) and press Right Soft button to move cursor back to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

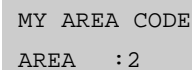
DISPLAY



```
MY AREA CODE
AREA :
```



```
MY AREA CODE
AREA :
```



```
MY AREA CODE
AREA : 2
```

RELATED ITEMS

[719] IDLE DISPLAY

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

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 719.
Display shows:
- 2) Enter the number of the line on 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.
- 3) Enter guidance data via dial keypad and press Right Soft button to save and move to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

IDLE DISPLAY (01)

IDLE DISPLAY (02)

IDLE DISPLAY (02)

WELCOME TO ABC

RELATED ITEMS

MMC 120

LARGE LCD OPTIONS

[720] COPY KEY PROGRAMMING

Provides a tool for duplicating key assignments 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. A limitation is that the original and target phones must be of the same type.(the same number of buttons)

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 720.
Display shows:
- 2) Enter the station number to copy to.(e.g., 205)
OR
Press Volume buttons to make selection and press Right Soft button to move cursor.
OR
Select all stations.
- 3) Enter station number to copy from.(e.g., 203)
and cursor returns to step 2.
OR
Press Volume buttons to make selection and press Right Soft button to return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

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 minimizes the accidental loss of programmable buttons on phones. 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 must be used carefully because key programming data is saved to a common programming database. When a new phone is connected, the system copies data from this database to the new phone.

DEFAULT DATA

RESTORE

ACTION

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

DISPLAY

```
[ 201 ] SAVE KEY
RESTORE
```

```
[ 205 ] SAVE KEY
RESTORE
```

```
[ 205 ] SAVE KEY
SAVE
```

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 phones and add-on modules (AOMs). For phones, buttons 1 and 2 are set as CALL buttons by default. For AOMs, all buttons are set as DS keys by default. Features are selected by pressing the dial keypad buttons the required number of times. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, 2 is pressed for the first letter B and then the Volume button used to change the selection from BARGE to BOSS.

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AB	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GPIK	HDSET	ICONF	
DIAL 5	LANREQ	LANREQ	LANREQ	
DIAL 6	MMPA	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TG	UA	VG	
DIAL 9	WAKEUP	XCHIN	WAKEUP	WAKEUP

Programmable Button Assignments

Feature	Description	Feature	Description
AB	ABSENCE	MMPG	MEET ME PAGE
ABAND	ABANDONED CALL	MS	MANUAL SIGNALLING
ABW	AGENT BUSY/WRAP UP	MSG	MESSAGE
ACC	ACCOUNT	MUTE	MUTE
		MW	MESSAGE WAIT
AN/RLS	ANSWER/RELEASE	NEW	NEW CALL
BARGE	BARGE-IN	NND	NAME NUMBER DATE
BILL	BILL(Hotel Feature)	NOCLIP	NO CID SEND
BLOCK	OHVA BLOCK	NPG	NETWORK PAGE
BOOTH	BOOTH(Hotel Feature)	NS	NETWORK STATION
BOSS	BOSS/SECRETARY	NXT	CID NEXT

(continued)

Feature	Description	Feature	Description
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
CCBS	ISDN CALL BACK		
CHIN	CHECK IN(Hotel Feature)	PMSG	PROGRAMMED STATION MESSAGE
CHOUT	CHECK OUT(Hotel Feature)	PRB	PRIVACY RELEASE AND BRIDGE
CHOICE	CHOICE (Related to News Server)	PROG	SET PROGRAM
CLIP	CALLER ID	PTHR	PATH REPLACEMENT
CONF	CONFERENCE	RB	ROOM BILL(Hotel Feature)
CONP	CONNECTED NAME DISPLAY	REJECT	OHVA REJECT
CR	CALL RECORD (Requires SVMi card)	RETRY	AUTO REDIAL ON BUSY
CREDIT	CREDIT(Hotel Feature)	REVW	REVIEW
CS	CALL STATUS	RP	RING PLAN
CSNR	CALLER ID SAVE NUMBER REDIAL	RSV	ROOM STATUS VIEW (Hotel Feature)
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(Hotel Feature)
		SMDR	SMDR KEY
DND	DO NOT DISTURB	SNR	SAVED NUMBER REDIAL
DNDO	DO NOT DISTURB OVERRIDE	SP	UCD SUPERVISOR
DP	DIRECT PICKUP	SPD	SPEED DIAL
DROP	CALL DROP	SPKR	SPEAKER
DS	DSS KEY	SSET	ISDN SUPPLEMENTARY SERVICE SET

(continued)

Feature	Description	Feature	Description
DT	DTS KEY	STATE	SET EXECUTIVE STATE
ECT	EXPLICIT CALL TRANSFER		
EP	ESTABLISHED CALL PICKUP	STORE	STORE DISPLAYED NUMBER
EXTMIC	EXTERNAL MIC	SYSALM	SYSTEM ALARMS
		TCLIP	TEMP CLIP
FAUTO	FORCED AUTO ANSWER	TG	TRUNK GROUP
FLASH	FLASH	TIMER	TIMER
FWRD	CALL FORWARD	TP	TERMINAL PORTABILITY
		TRARPT	TRAFFIC REPORT
GPIK	GROUP PICKUP	TRSF	TRANSFER
HDSET	HEADSET MODE	UA	UNIVERSAL ANSWER
HLDPK	HOLD PICKUP		
HOLD	HOLD	VM	VOICE MAIL MEMO (Requires SVMi card)
HOTEL	HOTEL(Hotel Feature)	VMADM	VOICE MAIL ADMINISTRATION (Requires SVMi card)
ICONF	ISDN 3 PTY CONFERENCE	VMAME	ANSWER MACHINE EMULATION (Requires SVMi card)
IDISC	ISDN 3 PTY DISCONNECTION	VMMSG	VOICE MAIL MESSAGE KEY (Requires SVMi card)
IG	IN/OUT GROUP		
IHOLD	ISDN 3-PARTY HOLD		
INFDSP	INFORMATION DISPLAY (Requires News/Call Plus)		
INQUIRE	INQUIRE		
IRET	ISDN 3 PTY RETRIEVE		
ISPY	CID SPY	VT	VOICEMAIL TRANSFER
		WAKEUP	WAKE UP(Hotel Feature)
LCR	LEAST COST ROUTING	XCHIN	EXPRESS CHECK IN (Hotel Feature)
LISTN	GROUP LISTENING		
LNR	LAST NUMBER REDIAL		
LOG	CALL LOGGING		
MMPA	MEET ME PAGE ANSWER		

DEFAULT DATA

For phones, buttons 1 and 2 are set as CALL buttons by default.(Other settings depend on the keyset type.) For AOMs, all buttons are set as DSS buttons by default.

ACTION

DISPLAY

- | | |
|---|---|
| <p>1) Press Transfer button and enter 722.
Display shows:</p> | <pre>[201] KEY (MAST) 01:CALL1→</pre> |
| <p>2) Enter selected station number.(e.g., 205)
OR
Press Volume button to select station and press Right Soft button to move cursor.</p> | <pre>[205] KEY (MAST) 01:CALL1→</pre> |
| <p>3) Enter selected key number.(e.g., 18)
OR
Press Volume button to select key number and press Right Soft button to move cursor.</p> | <pre>[201] KEY (MAST) 18:NONE→_</pre> |
| <p>4) Using table above, press dial keypad to select number.
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.</p> | <pre>[201] KEY PROG. 18:NONE→GPIK_</pre> |
| <p>5) Enter extender if required.(e.g., 03)
OR
Press Volume button to make selection and press Right Soft button to return to step 2.</p> | <pre>[201] KEY PROG. 18:NONE→GPIK03</pre> |
| <p>6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.</p> | |

RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 720	COPY KEY PROGRAMMING
MMC 721	SAVE STATION KEY PROGRAMMING

[723] SYSTEM KEY PROGRAMMING

This MMC is similar to MMC 722, Station Key Programming, except that changes are made system-wide rather than on a per-station basis. Features are entered via the dial keypad by pressing numbers as shown in the table.

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
03	EU 6B SETS	EU phone with 6 program buttons
05	48/64 BTN AOMS	AOM with 48/64 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	7000 Range phone

DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AB	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GPIK	HDSET	ICONF	
DIAL 5	LANREQ	LANREQ	LANREQ	
DIAL 6	MMPA	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TG	UA	VG	
DIAL 9	WAKEUP	XCHIN	WAKEUP	WAKEUP

See **Programmable Button Assignments** in MMC 722.

DEFAULT DATA

SEE DEFAULT DATA IN MMC 722

ACTION**DISPLAY**

- | | |
|--|---|
| <p>1) Press Transfer button and enter 723.
Display shows:</p> | <p>TYPE: 24 BTN SETS
01:CALL1→</p> |
| <p>2) Enter type of set via dial keypad.(e.g.,1)
OR
Press Volume button to make selection and press Right Soft button.</p> | <p>TYPE: 12 BTN SETS
01:CALL1→</p> |
| <p>3) Enter key number.(e.g., 03)
OR
Press Volume button to make selection and press Right Soft button.</p> | <p>TYPE: 12 BTN SETS
03:NONE→</p> |
| <p>4) Using table above, press dial keypad to select number.
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.</p> | <p>TYPE: 12 BTN SETS
03:NONE→GPIK</p> |
| <p>5) Enter extender if required.(e.g., 03)
OR
Press Volume button to make selection and press Right Soft button to return to step 2.</p> | <p>TYPE: 12 BTN SETS
03:GPIK→GPIK03</p> |
| <p>6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.</p> | |

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 default 3- or 4-digit numbering for stations, station groups and trunk numbers depending on the position of the DIP switches on the MCP 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	Not used
03	MISC DIAL NO.	This is where directory numbers for relays, MOH ports and the alarm sensor are changed or assigned. Default: MISC01:371 MISC02: 361 MISC03:362 MISC04:3999
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, 800-809
06	FEAT DIAL NUMBER	This is where feature access codes are changed or assigned. Dialing codes are entered via the dial keypad by pressing a number the required number of times to select the feature. For example, for OHVA, the number 6 would be pressed three times. Please remember that this program is system-wide.
07	S0 STN DIAL NO.	This is where directory numbers for BRI station ports are changed or assigned. Default: 8701-8708
09	NTWK LCR DIAL NO	This is where additional LCR access codes are entered if two or more OfficeServ 7100 systems are networked together. Default: NONE

(continued)

No	Type of Dial No	Description
10	VIRT EXT DIAL NO	This is where virtual station directory numbers are changed or assigned. Default: SLT: 3501-3508, DGP: 3401-3416
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: 3201-3208
13	WLAN DIAL NO,	This is where IP-based station directory numbers are changed or assigned. Default: 3301-3308
14	SPNET DIAL NO	This is where Samsung proprietary switch-to-switch VoIP networking trunk signalling port directory numbers are changed or assigned. Default: 8301-8308
15	H323 TRK DIAL NO	This is where VoIP H.323 trunk signalling port directory numbers are changed or assigned. Default: 8401-8408
16	SIP TRK DIAL NO	This is where VoIP SIP trunk signalling port directory numbers are changed or assigned. Default: 8501-8508

FEATURE NUMBERING DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	AB	BARGE	CAD	
DIAL 3	DGPALM	EP	FAUTO	
DIAL 4	GPIK	HDSET	ICONF	
DIAL 5	LANREQ	LANREQ	LANREQ	
DIAL 6	MMPA	NEW	OHVA	
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TG	UA	VG	
DIAL 9	WAKEUP	XCHIN	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
AUTH	NONE	AUTHORIZATION CODE
BARGE	NONE	BARGE-IN
BILL	NONE	BILL(Hotel Feature)
BLOCK	NONE	OHVA BLOCK
BOSS	NONE	BOSS/SECRETARY
CAMP	45	STATION CAMP-ON
CANMG	42	MESSAGE CANCEL
CBK	44	CALLBACK
CHIN	NONE	CHECK IN(Hotel Feature)
CHOUT	NONE	CHECK OUT(Hotel Feature)
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(Hotel Feature)
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
E-LCR1	NONE	SECOND LCR DIGIT TRANSLATION
E-LCR2	NONE	SECOND LCR DIGIT TRANSLATION
E-LCR3	NONE	SECOND LCR DIGIT TRANSLATION
E-LCR4	NONE	SECOND LCR DIGIT TRANSLATION
FAUTO	14	FORCED AUTO ANSWER
FLASH	49	FLASH
FWD	60	CALL FORWARD

(continued)

Feature	Default	Description
GRPK	66	GROUP PICKUP
HDSET	NONE	HEADSET MODE
HLDPK	12	HOLD PICKUP
HOLD	11	HOLD
HOTEL	NONE	HOTEL(Hotel Feature)
ICONF	NONE	ISDN 3-PARTY CONFERENCE
IDISC	NONE	ISDN 3-PARTY DISCONNECTION
IG	53	IN/OUT GROUP
IHOLD	NONE	ISDN 3-PARTY HOLD
INFDSP	NONE	INFORMATION DISPLAY(Requires News/Call Plus)
IRET	NONE	ISDN 3-PARTY RETRIEVE
LCR	#	LEAST COST ROUTING
LISTN	NONE	GROUP LISTENING
LNR	19	LAST NUMBER REDIAL
LOG	NONE	CALL LOGGING
MMPA	56	MEET ME PAGE ANSWER
MMPG	54	MEET ME PAGE
MSG	43	MESSAGE
MYGRPK	28	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(Hotel Feature)
REJECT	NONE	OHVA REJECT
RP	NONE	RING PLAN
RSV	NONE	ROOM STATUS VIEW(Hotel Feature)
RTO	NONE	RING PLAN TIME OVERRIDE
SELFID	NONE	SELF SYSTEM ID

(continued)

Feature	Default	Description
SETMG	41	SET MESSAGE W/O RING
SLOCAT	NONE	STAFF LOCATOR(Hotel Feature)
SLTALM	NONE	EASY ALARM SET TO SELF STATION
SLTMMC	15	NORMAL PHONE PROGRAMMING
SNR	17	SAVED NUMBER REDIAL
SPEED	16	SPEED DIAL
SRELOC	NONE	SET RELOCATION
SSET	NONE	ISDN SUPPLEMENTARY SERVICE SET
STATE	NONE	SET EXECUTIVE STATE
TCLIP	NONE	TEMP CLIP
TP	NONE	TERMINAL PORTABILTY
UA	67	UNIVERSAL ANSWER
VMADM	NONE	VOICE MAIL ADMINISTRATION(Requires SVMi card)
VMAME	NONE	ANSWER MACHINE EMULATION(Requires SVMi card)
VMMEMO	NONE	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)
WAKEUP	18	WAKE UP(Hotel Feature)
WCOS	59	WORKING CLASS OF SERVICE

DEFAULT DATA

SEE DESCRIPTION

FEATURE CODES DEPEND ON COUNTRY

ACTION

- 1) Press Transfer button and enter 724.
Display shows:
- 2) Dial option number to make selection.(e.g., 06)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
- 3) Dial first letter of feature name.(e.g., 7)
OR

Press Volume button to make selection then press Right Soft button to advance cursor.
- 4) Enter digits(e.g., 63) via the dial keypad.
- 5) Press Right Soft button to enter change and continue to make changes.

If an error message appears indicating duplication of access code, enter 1 for YES for change or enter 0 for NO for no change.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
STN DIAL NUM:C1
S2-P01:201→
```

```
FEAT DIAL NUMBER
ABAND :64→_
```

```
FEAT NUMBER PLAN
PAGE :55→
```

```
FEAT NUMBER PLAN
PARK :NONE→_
```

```
FEAT NUMBER PLAN
PARK :NONE→63
```

```
FEAT NUMBER PLAN
PARK :NONE→63
```

```
SAME DIAL EXIST
CHANGE? Y:1,N:0
```

RELATED ITEMS

ALL MMCs

[725] SMDR OPTIONS

Allows the system administrator to select the information printed on the SMDR report. The following options may be selected:

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	66	This option selects the length of each page to determine when to print the SMDR header. The number of lines is in the range 01-99.
02	INCOMING CALL	YES	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, '*****' is printed 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 name up to 16 characters which will appear on the SMDR header.
10	CALLER ID DATA	NO	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	NO	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.

(continued)

No	Option	Default	Description
15	INCOMING ANSWER	NO	If this option is set to YES, the duration of calls ringing before being 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 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 Application Only)
21	HOTEL START LINE	0	This option determines that the number of empty lines per each page on HM REPT.(Hotel Application 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 the SMDR record will show registration of ITP phones.
25	SET RELOCATION	NO	If set to YES the SMDR record will show Set Relocations.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

SEE DESCRIPTION

SOME OPTIONS DEPEND ON COUNTRY

ACTION

- 1) Press Transfer button and enter 725.
Display shows:
- 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.
- 3) Enter the option data.
OR
Use the Volume buttons to press Right Soft button to save the data and return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

PAGE HEADER
PRINT: YES

LINE PER PAGE
60 LINE/PAGE

LINE PER PAGE
50 LINE/PAGE

RELATED ITEMS

MMC 300

CUSTOMER ON/OFF PER STATION

[727] SYSTEM VERSION DISPLAY

This MMC is used for system version display only.(READ ONLY) The displays depend on which modules are included in the system

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 727.
Display shows:
- 2) Press Volume button to show other modules, e.g.,:

SP Modules

VMS Modules

DATA Modules
- 3) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
MP10-MAIN VERS  
07.02.26 V4.01.p
```

```
MP10-SP VERS  
07.02.26 V1.01.e
```

```
MP10-VMS VERS  
07.02.26 V4.01.p
```

```
MP10-DATA VERS  
NO VERSION DATA
```

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. Each entry comprises a telephone number up to 14 digits and a name up to 16 digits.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 728.
Display shows first entry
- 2) Dial entry number.(e.g., 0005)
OR
Use Volume button to scroll through entries and press Right Soft button to select entry.
- 3) Enter telephone number and press Right Soft button to advance to name entry.
OR
Enter telephone number and press Left Soft button to return to step 2.
- 4) Enter associated name and press Right Soft button to return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
CLIP XLAT(0001)
DGT:
```

```
CLIP XLAT (0005)
DGT:_
```

```
CLIP XLAT (0005)
DGT:3054264100
```

```
CLIP XLAT (0005)
SAMSUNG TELECOM
```

RELATED ITEMS

MMC 312	ALLOW CALLER ID
MMC 608	ASSIGN REVIEW BLOCK

[740] STATION PAIR

Assigns a secondary station to a phone. This secondary station can be a keyset or single line phone. The secondary station assumes the Call Forwarding, Class of Service, LCR Class, and DND attributes of the primary station. The secondary station will ring when the primary station rings, and vice versa. Features can be set or cancelled at either station.



When changing the COS

If the COS is changed for either station in MMC 301, the change affects both stations. Messages from the secondary extension will display the secondary extension number.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 740.
Display shows
- 2) Enter the primary station number via dial Keypad.(e.g., 201)
OR
Use Volume button to select and press Right Soft button.
- 3) Enter the secondary station number via dial Keypad.(e.g., 205)
OR
Use Volume button to select and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 201 ] PRIMARY
SECONDARY : NONE
```

```
[ 201 ] PRIMARY
SECONDARY : NONE
```

```
[ 201 ] PRIMARY
SECONDARY : 205
```

RELATED ITEMS

MMC 102	CALL FORWARD
MMC 301	ASSIGN STATION COS
MMC 310	LCR CLASS OF SERVICE

[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 10 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 Card 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 749, RATE CALCULATION TABLE

When the system finds a DIAL PLAN match for the digits dialled, the system checks MMC 749 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, the closest match is 1305 and this 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**.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 746.
Display shows:
- 2) Dial CALL COST entry.(e.g., 005)
OR
Press Volume button to select entry and
press Right Soft button to move cursor.
- 3) Enter digit string via the dial keypad and
press Right Soft button.
- 4) Enter DIAL PLAN 1-8.(e.g., 8)
OR
Press Volume button to select dial plan and
press Right Soft button to save and return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
COST DP  (001)
DIGIT:
```

```
COST DP  (005)
DIGIT:_
```

```
COST DP  (005)
DIGIT:1305
```

```
COST DP  (005)
CALL RATE: 8
```

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	1ST DUR (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 0-999 seconds; e.g. 180 seconds(three minutes).
1	1ST COST (FIRST INTERVAL COST)	This is the cost for the first interval duration in £s sterling or Euros. The range is 0 to 999; e.g., 345(£3.45 or €3.45).
2	2ND DUR (SECOND INTER- VAL DURATION)	This is the duration of each billing increment after the first interval has expired. The range is 0-999 seconds; e.g., 006 seconds(six seconds).
3	2ND COST (SECOND INTER- VAL COST)	This is the cost for each billing increment, in £s sterling or Euros, after the first interval has expired. The range is 0-999; e.g., 100(£1.00 or €1.00).
4	SURCHARGE	This is a one-time charge, in £s sterling or Euros, that is applied to the call over and above the time charges. The range is 0-999; e.g., 150(£1.50 or €1.50).



Currency values (£ or €)

Currency values (£ or €) depend on the setting for the USE EURO option in MMC 210.

DEFAULT DATA

ALL COST RATES: NO DATA

ACTION

- 1) Press Transfer button and enter 747.
Display shows:
- 2) Dial COST RATE number 1-8.(e.g., 3)
OR
Press Volume button to select COST RATE and press Right Soft button to move cursor.

DISPLAY

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

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


- 3) Dial option number 0-4.(e.g., 1)
OR
Press Volume button to select option and press
Right Soft button to move cursor.

```
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 return to step 3.

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

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

RELATED ITEMS

MMC 433	COST RATE
MMC 746	COSTING DIAL PLAN

[750] VM CARD RESTART

This MMC is used for the Samsung Built-In Voice Mail card.

There are four options available in this MMC:

No	Option	Description																														
0	MBX DOWNLOAD	When the Built-In Voice Mail module 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.																														
2	VIRTUAL NUMBER DOWNLOAD	<p>This option is determine which type virtual port include during mailbox and system numbering plan downloading procedure. The virtual port type are followed:</p> <table border="1"> <thead> <tr> <th>No</th> <th>Type</th> <th>Description</th> </tr> </thead> <tbody> <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> </tbody> </table>	No	Type	Description	0	VIRTUAL EXT	Virtual extension number	1	DESKTOP ITP	DESKTOP IP-based phone number	2	DECT PHONE	DECT terminal number	3	MOBILE ITP	Wireless IP-based mobile phone number	4	BRI STATION	ISDN terminal number	5	VOIP NET TRK	VoIP networking trunk number	6	VOIP 323 TRK	VoIP H.323 trunk number	7	VOIP SIP TRK	VoIP SIP trunk number	8	REMOTE STN	Remote station number via networking
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7	VOIP SIP TRK	VoIP SIP trunk number																														
8	REMOTE STN	Remote station number via networking																														
3	VM CONNECTION	Select VMS Type. There are 3 types: SVMi CARD, DLI CONNECTION, IP-UMS SERVER(impossible simultaneously use all type)																														

DEFAULT DATA

ALL OPTIONS ARE NO

ACTION

- 1) Press Transfer button and enter 750.
Display shows:
- 2) Press Volume button to make selection and press Right Soft button.
- 3) Press Volume button to make selection and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
MBX DOWNLOAD
NO
```

```
VM RESTART
RESET NOW ? NO
```

```
VM RESTART
RESET NOW ? YES
```

RELATED ITEMS

NONE

[751] ASSIGN MAILBOX

This MMC is only used for the Samsung Built-In Voice Mail card. It assigns mailboxes to each station or group as required. 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 mailboxes can be added:

- Through Voice Mail administration.
- By adding a new mailbox in this MMC.

If a mailbox is to be removed, this must be done through Voice Mail administration.

If a station that does not have an associated mailbox calls the Voice Mail system, it will be answered by the Voice Mail system main greeting.

CONDITIONS

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

DEFAULT DATA

ALL STATIONS: YES
ALL GROUPS: NO

ACTION

- 1) Press Transfer button and enter 751.
Display shows:.
- 2) Dial station number.
OR
Press Volume button to scroll the number and press Right Soft button to move cursor.
- 3) Dial 0 for NO or 1 for YES.
OR
Press Volume button to make selection and press Right Soft button to save and return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
ASSIGN MAIL BOX
[201] YES
```

```
ASSIGN MAIL BOX
[202] YES
```

```
ASSIGN MAIL BOX
[202] NO
```

RELATED ITEMS

NONE

[752] AUTO RECORD

This MMC is only used for the Samsung Built-In Voice Mail card. Specific stations in the phone system can be assigned to automatically record conversations. When this option is set, all incoming, all outgoing, or all calls(incoming and outgoing) can be recorded.

In this MMC you can assign:

- Station number: Which station can use this feature.
- Mailbox number: What mailbox the conversations are recorded in.
- I, O or B: What type of calls are recorded.(in, out or both)
- Voice mail port number: What port is dedicated to the station.



Before using the Auto Record feature

Before using the Auto Record feature, make sure that you are not violating any laws. Samsung is not responsible for any illegal use of this feature.

CONDITIONS

A maximum of eight stations can use this feature at one time. 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.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 752.
Display shows:
- 2) Dial station number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Dial mailbox number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

DISPLAY

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

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

```
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 to save and exit.
OR
Press Speaker button to advance to next MMC.

RELATED ITEMS

NONE

[753] WARNING DESTINATION

This MMC is only used for the Samsung Built-In Voice Mail card. It provides an emergency destination for calls destined for the card if the card is removed or is offline.

In addition, any calls that are forwarded to the 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.

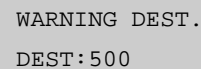
DEFAULT DATA

5000

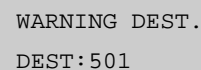
ACTION

- 1) Press Transfer button and enter 753.
Display shows:
- 2) Dial station number or group number.
OR
Press Volume button to scroll through numbers and select.
- 3) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY



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



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

RELATED ITEMS

NONE

[754] VM HALT

This MMC is only used for the Samsung Built-In Voice Mail. It is used to halt the Voice Mail Module. If the Voice Mail module is halted by using this MMC, system has to restart to use the Voice Mail module again. At that time, 'RESTART' option can be used.

DEFAULT DATA

RESTART

ACTION

- 1) Press Transfer button and enter 754.
Display shows:
- 2) Enter 1 to HALT or 0 to PROC
OR
Press Volume button to select.
- 3) If you select 1 to halt, display shows:
Press 1 to confirm.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
VM HALT
STATUS:RESTART
```

```
VM HALT
STATUS:RESTART
```

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

RELATED ITEMS

NONE

[755] VM ALARM

This MMC is only used for the Samsung Built-In Voice Mail. It 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 as a percentage of capacity. 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.

DEFAULT DATA

THRESHOLD: 80%

ACTION

- 1) Press Transfer button and enter 755.
Display shows:
- 2) Enter new threshold level.(e.g., 70)
- 3) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY



```
VM ALARM  
THRESHOLD: 80
```



```
VM ALARM  
THRESHOLD: 70
```

RELATED ITEMS

NONE

[756] ASSIGN VMMOH

This MMC is only used for the Samsung Built-In Voice Mail. It is used to assign each port a Music-On-Hold source for the system from a sound file located on the Voice Mail card hard disk drive. The 100 available sound files are defined as numbers 5000 to 5099. To use the default music, select the number; otherwise, make sure you record the sound file first. Then, assign the sound file to a Voice Mail port.

For example, if you record sound file 5025 you would associate 25 with a specific Voice Mail port, e.g., 301. This will dedicate the port for use only as MOH and remove it from group 529 or 549. Now 301 will show up as a valid music source in MMCs 308, 309 and 408.

Each Music-On-Hold source assigned here requires one Voice Mail port.



NOTE

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 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.

DEFAULT DATA

NOT USED

ACTION

- 1) Press Transfer button and enter 756.
Display shows:
- 2) Dial VM number.(e.g., 301)
OR
Press Volume button to make a selection and press Right Soft button to move cursor.
- 3) Enter VM message number.(e.g., 25)
OR
Press Volume button to make a selection and press Right Soft button to move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SET VMMOH
301 : NOT USED
```

```
SET VMMOH
301 : NOT USED
```

```
SET VMMOH
301 : 25
```

RELATED ITEMS

NONE

[757] VM IN/OUT

This MMC is only used for the Samsung Built-In Voice Mail. It is used to assign each Voice Mail port as used for incoming, outgoing or both-way calls. This MMC must support outgoing calls if off-premises notification(beeper, outbound follow me or outbound notification) is used.

DEFAULT DATA

IN/OUT

ACTION

- 1) Press Transfer button and enter 757.
Display shows:
- 2) Dial VM number.(e.g., 301)
OR
Press Volume button to make a selection and press Right Soft button to move cursor.
- 3) Enter option via dial keypad.(e.g., IN)
OR
Press Volume button to make a selection and press Right Soft button to move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
VM IN/OUT
301: IN/OUT
```

```
VM IN/OUT
301: IN/OUT
```

```
VM IN/OUT
301: IN
```

RELATED ITEMS

NONE

[758] VM DAY/NIGHT

This MMC is only used for the Samsung Built-In Voice Mail. The module can operate in either a DAY or NIGHT operating mode. The mode determines what main menu greetings and options are played to callers and can change automatically (if enabled in the card) according to the settings in this MMC.

This MMC contains either a DAY or NIGHT instruction for each Ring Plan.

DEFAULT DATA

ALL RING PLANS: DAY

ACTION

- 1) Press Transfer button and enter 758.
Display shows:
- 2) Enter ring plan number.
OR
Press Volume button to make a selection and press Right Soft button to move cursor.
- 3) Dial 0 for day or 1 for night.
OR
Press Volume button to make a selection and press Right Soft button to save and move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

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

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

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

RELATED ITEMS

MMC 507

ASSIGN RING PLAN TIME

[759] CLI RINGING

This MMC assigns a specific CID number received from the central office to a specific ring plan destination. Also allows you to reject a specific CID number and assign priorities. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest.

It also allows you 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 SLTs. There are eight ring tones available along with a Follow Station(NO) option. There are five cadences and a Follow Station option(NO) for SLTs. The CID Ringing table consists of 100 entries.

DEFAULT DATA

NONE

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 CALL-BACK ring cadence.	

ACTION

DISPLAY

- 1) Press Transfer button and enter 759.
Display shows:

```
CLI RINGING(001)
CLI:
```

- 2) Dial entry number.(e.g., 005)
OR
Press Volume button to make a selection and press Right Soft button to move cursor.

```
CLI RINGING(005)
CLI: _
```

- 3) Enter CID number and press Right Soft button to advance to 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 move cursor.

```
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 button to move cursor.

```
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 move cursor.

```
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 make selection 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 make selection and press Right Soft button to move cursor.

```
CLI RINGING(005)
TONE:2 CAD:NO
```

- 9) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 312

ALLOW CALLER ID

[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 reserved for other PMS stream items.

These item codes, with the exception of codes 93 to 99, will appear on the guests' bills 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 eight 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 in MMC 813, HOTEL OPERATION.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

NO ENTRIES

ACTION

- 1) Press Transfer button and enter 760.
Display shows:
- 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.
- 3) Enter item name(e.g., ROOM COST) via keypad.
- 4) Press Right Soft button to move cursor to tax entries.
- 5) Enter the tax rates that apply to this item('1' selects each rate) and press Right Soft button to return to step 2.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
ITEM CODE (00)
NAME:RM Deposit
```

```
ITEM CODE (02)
NAME:
```

```
ITEM CODE (02)
NAME: ROOM COST
```

```
ITEM CODE (02)
TAXES:00000000
```

```
ITEM CODE (02)
TAXES:11000000
```

RELATED ITEMS

MMC 761

TAX RATE SETUP

[761] TAX RATE SETUP

This MMC allows the technician to set up the eight 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 options are detailed below.

Option	Description
TAX RATE	The number assigned to this tax rate. Tax rates are numbered 1 to 8 to match the rate field in MMC 760, counting from left to right.
TYPE	The type of tax. Defines if the VALUE is applied as a percentage(%) of the cost of an item(e.g., service charge) or is added as a fixed currency value(C) to an item or is applied as a Inclusive VAT percentage(I) of the cost of an item.
VALUE	The actual tax rate that will be applied to the item cost.
NAME	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 in MMC 813, HOTEL OPERATION.

ENTERING CHARACTERS

Refer to 'ENTERING CHARACTERS' in MMC 104, STATION NAME.

DEFAULT DATA

ALL RATES ARE %

ACTION

- 1) Press Transfer button and enter 761.
Display shows:
- 2) Enter valid tax number, e.g., 2, via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Dial 0 for '%', 1 for 'C' or 2 for 'I'.
(Refer to table above)
OR
Press Volume button to make selection and press Right Soft button to move cursor.

DISPLAY

```
TAX RATE    (1)
TYPE:% VAL:00.00
```

```
TAX RATE    (2)
TYPE:% VAL:00.00
```

```
TAX RATE    (2)
TYPE:C VAL:00.00
```

- 4) Enter the tax rate or value via dial keypad.
OR
Press Volume button to make selection.
If valid entry, system advances cursor.

```
TAX RATE    (2)
TYPE:C VAL:01.25
```

- 5) Enter name and press Right Soft button to return to step 2.

```
TAX RATE    (2)
NAME:MIA BED
```

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

RELATED ITEMS

MMC 760

ITEM COST TABLE

[762] ROOM COST RATE

This MMC allows the technician to set up the cost rates for a week. Each room cost rate can be assigned with a percentage of the actual room cost from Sunday to Saturday.

EXAMPLE: If you set SUN: 150%, 1. MON: 100%, 2.TUE: 090% .

Then, if you set £100 as the room cost when checking in a guest, the real room cost will be £150 on Sunday, £100 on Monday and £90 on Tuesday.

CONDITIONS

This function can be used only when the Hotel function is enabled in 'MMC 813, HOTEL OPERATION'.

DEFAULT DATA

ALL RATES ARE 100%

ACTION

- 1) Press Transfer button and enter 762.
Display shows:
- 2) Dial day number 0-6.(e.g., 2)
OR
Press Volume button to select day and press Right Soft button to move cursor.
- 3) Enter room cost rate.(001-999, e.g., 090)
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
RM COST RAT(SUN)
100% :
```

```
RM COST RAT(TUE)
100% :
```

```
RM COST RAT(TUE)
100% :090
```

RELATED ITEMS

MMC 760 ITEM COST TABLE

[763] SECOND LCR

This MMC allows the technician to input the Extended LCR information table.
Max table index is 200. This table have translation and route information for input digits.

The last table(index 200) has only 'NEXT ROUTE' option. This is used for the case there are no matching table for user input digits. NEXT ROUTE option can be set by LCR or trunk group as follows.

Option	Description	Default
IN DIGIT	Define user input digits after E-LCR code (Max 16 digits)	-
OUT DIGIT	Outgoing digits(these digits will be sent instead of input digits) (Max 16 digits)	-
USE LCR NUM	Select which E-LCR code(E-LCR1, E-LCR2, E-LCR3, E-LCR4) used for this table index.	ALL
NEXT ROUTE	Select 'LCR' or trunk group to seizure. 'LCR' means that MMC710 LCR DIGIT table will be used with out-going digits(OUT DIGIT).	LCR

CONDITIONS

MMC724 FEATURE CODE: E-LCR1, E-LCR2, E-LCR3, E-LCR4 addition

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 763.
Display shows:
- 2) Dial Table number 001-200.
OR
Press Volume button to select Table number and press Right Soft button to move cursor.
- 3) Enter IN DIGIT maximum 16 digits, and press Right Soft button to move cursor.
- 4) Enter OUT DIGIT option number([1]).
OR
Press Volume button to select OUT DIGIT and press Right Soft button to move cursor.

DISPLAY

(001)IN DIGIT

(001)IN DIGIT

(001)IN DIGIT
1234

(001)OUT DIGIT

-

- | | |
|---|------------------------|
| 5) Enter OUT DIGIT maximum 16 digits, and press Right Soft button to move cursor. | (001)OUT DIGIT
7500 |
| 6) Enter USE LCR NUM option number([2]).
OR
Press Volume button to select USE LCR NUM and press Right Soft button to move cursor. | (001)USE LCR NUM
- |
| 7) Enter USE LCR NUM maximum 16 digits, and press Right Soft button to move cursor. | (001)USE LCR NUM
9 |
| 8) Enter NEXT ROUTE option number([3]).
OR
Press Volume button to select NEXT ROUTE and press Right Soft button to move cursor. | (001)NEXT ROUTE
- |
| 9) Enter USE LCR NUM maximum 16 digits, and press Right Soft button to move cursor. | (001)NEXT ROUTE
LCR |
| 10) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC. | |

RELATED ITEMS

MMC 310	LCR CLASS
MMC 711	LCR TIME
MMC 712	LCR ROUTE
MMC 713	LCR MODF. DGT
MMC 724	NUMBER PLAN

[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, an error message will be displayed.

CONDITIONS

A 4-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

- 1) Press Transfer button and enter 800.
Display shows:
- 2) Enter passcode.

Correct code shows:

Incorrect code shows:
- 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).
- 4) Press Speaker button to advance to MMC entry level.
- 5) Enter the MMC required to begin programming.
- 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.

DISPLAY

```
ENABLE TECH.PROG
PASSCODE :
```

```
ENABLE TECH.PROG
PASSCODE :****
```

```
ENABLE TECH.PROG
DISABLE TENANT:1
```

```
ENABLE TECH. PROG
PASSCODE ERROR
```

```
ENABLE TECH.PROG
ENABLE TENANT:1
```

```
801:TEC.PASSCODE
SELECT PROG.ID
```

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

- 1) Press Transfer button and enter 801.
- 2) Enter new passcode.
- 3) Enter new passcode again.
- 4) If passcode is correct, press Right Soft key to continue and enter desired MMC.

If passcode is incorrect.

System returns to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
TECH. PASSCODE
NEW CODE : _
```

```
TECH. PASSCODE
NEW CODE : ****
```

```
TECH. PASSCODE
VERIFY   : ****
```

```
TECH. PASSCODE
VERIFY   : SUCCESS
```

```
TECH. PASSCODE
VERIFY   : FAILURE
```

```
TECH. PASSCODE
NEW CODE : ****
```

RELATED ITEMS

MMC 800

ENABLE TECHNICIAN PROGRAM

[802] CUSTOMER ACCESS MMC NUMBER

Allows the System Administrator(customer) to have access to certain MMCs. For example, it is required that the customer has access to MMC 102, Call Forward, for call forwarding but it is not required that the customer has access to MMC 710, LCR Digit Table, for LCR dial plans.

This MMC is for both tenants.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 802.
Display shows:
- 2) Enter desired tenant number(1-2) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter desired MMC number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter 1 for YES or 0 for NO via dial keypad.
OR
Press Volume button to make selection and press Left Soft button to return to step 3 to make additional entries.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
CUST.USE MMC :1
100:STN LOCK:YES
```

```
CUST.USE MMC :1
100:STN LOCK:YES
```

```
CUST.USE MMC :1
102:CALL FWD:YES
```

```
CUST.USE MMC :1
102:CALL FWD:NO
```

RELATED ITEMS

NONE

[805] TX LEVEL AND GAIN

Allows the system administrator to set the base level of TX volume on phones. There are eight levels that can be controlled by the Volume buttons on phones, and 10 controllable levels in the system. This MMC allows the system administrator to classify any desired eight levels within 11.

No	Option	Description
0	TX LEVEL CONTROL	Adjusts the transmitting sensitivity(max.: 9) Default values are:
		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 MIS card(0~7, higher numbers mean lower levels). Default value is 0.
2	TSW GAIN CONTROL	Adjusts the tone sensitivity. There are eight types of matrix connections of the T-Switch that adjust the tone sensitivity(0-7, below). Connection between Trunk lines are only applicable when set as 0 in MMC 421. 0 DGP DLI phone 1 SLT SLI phone 2 ATRK Analogue 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



CAUTION

When changing the MMC [805]

'MMC [805] TX LEVEL AND GAIN' should not be changed from the default levels without the assistance of the local SAMSUNG distributor.

DEFAULT DATA

TX \ RX	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

- 1) Press Transfer button and enter 805.
Display shows:
- 2) Press Volume button to make selection(0-3) and press Right Soft button to move cursor.
- 3) (When the TX LEVEL CONTROL is selected)
 - a. Select the desired volume level via dial keypad.
OR
Press Volume button to go to the next volume level and press Right Soft button.
 - b. Enter desired volume data via dial keypad.
OR
- 4) (When the MISC TSW GAIN is selected)
 - a. Enter desired MISC/BGM TSW gain via dial keypad.
OR
Press Volume button to select desired MISC/BGM TSW gain and press Right Soft button.
- 5) (When the TSW GAIN CONTROL is selected)
 - a. Select the TX TWS connect type via dial keypad.
OR
Press Volume button to go to the next TX TSW connect type and press Right Soft button.
 - b. Select the RX TSW connect type via dial keypad.
OR
Press Volume button to go to the next RX TSW connect type and press Right Soft button.
 - c. Enter desired TSW gain control data via dial keypad.
OR
Press Volume button to scroll data and press Right Soft button.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

TX LEVEL CONTROL
LEVEL 0→0

TX LEVEL CONTROL
LEVEL 1→1

TX LEVEL CONTROL
LEVEL 1→1

TX LEVEL CONTROL
LEVEL 1→3

MISC TSW GAIN
BGM/MOH :0

TSW GAIN CONTROL
SLT→DGP :+0.0

TSW GAIN CONTROL
SLT→ATRK:+0.0

TSW GAIN CONTROL
SLT→ATRK:+1.9

RELATED ITEMS

NONE

[806] CARD PRE-INSTALL

Allows the pre-programming of a card slot for a specific card type. A card inserted into a system will not be recognized by the system until it is enabled using this MMC. Cards installed using this MMC will not be assigned in the system numbering plan—you should use MMC 724 to assign the desired directory numbers to extensions, trunks, ports or miscellaneous functions.



NOTE

When a card is removed and a different type card is inserted

If a card is removed and a different card is inserted, and this MMC is performed, the memory associated with the previous card(e.g., key programming) will be erased.



NOTE

When a previous card is UNI Board and a current card is the same, but the modules are changed

If a UNI card is removed and a UNI card which has different modules is inserted, system will recognize automatically. So it does not need to preinstall.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 806.
Display shows:
- 2) Enter cabinet number via dial keypad.(e.g., 1)
OR
Press Volume button to make selection and press Right Soft button.
- 3) Enter slot number via dial keypad.(e.g., 6)
OR
Press Volume button to make selection and press Right Soft button.
- 4) Dial 1 for YES to reset card or dial 0 for NO.
OR

DISPLAY

```
C: 1-S: 1
8 DLI→8 DLI
```

```
C: 1-S: 1
8 DLI→8 DLI
```

```
C: 1-S: 6
16 DLI→16 DLI
```

```
C: 1-S: 6
RESET CARD ? NO
```

Press Volume button to make selection and
press Right Soft button.

- 5) Dial 1 for YES to reset card or dial 0 for NO.
OR

Press Volume button to make selection and
press Right Soft button.

C:1-S:6

ARE YOU SURE?NO

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

RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

[807] PHONE VOLUME CONTROL

Allows the system administrator to set phone volume levels.

Phone Volume Level		FX	
No	Type	No	Type
0	KEY TONE VOL	0	LINE VOLUME
1	SIDETONE VOL	1	SPEAKER VOLUME
2	HANDSET TX	2	NOR.LP ATTEN
3	MIC TX LEVEL	3	MIC LP ATTEN
4	NOISE GUARD	4	ACOU DECOUPL
5	NOISE THRES	5	ELEC DECOUPL
6	ALC THRES	6	T/R RATIO
7	TX/RX THRES.	7	R/T RATIO
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.

DEFAULT DATA

DEPENDS ON PHONE TYPE(SHOWN FOR 21D)

21D		FX	
Type	Default	Type	Default
KEY TONE VOL	1	LINE VOLUME	3
SIDETONE VOL	1	SPEAKER VOLUME	14
HANDSET TX	4	NOR.LP ATTEN	4
MIC TX LEVEL	3	MIC LP ATTEN	5
NOISE GUARD	8	ACOU DECOUPL	8
NOISE THRES	1	ELEC DECOUPL	8
ALC THRES	7	T/R RATIO	2
TX/RX THRES.	3	R/T RATIO	2
TX/RX COMP	5		
MIN RX VOL	6		

ACTION

- 1) Press Transfer button and enter 807.
Display shows:
- 2) Enter phone type via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter volume item via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter volume data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to save and return to step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
VOL.CONTROL:US24
KEY TONE VOL:1
```

```
VOL.CONTROL:EU24
KEY TONE VOL:1
```

```
VOL.CONTROL:EU24
SIDETONE VOL:1
```

```
VOL.CONTROL:EU24
HANDSET TX :6
```

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.

DEFAULT DATA

PROC

ACTION

- 1) Press Transfer button and enter 810.
Display shows:

- 2) Enter cabinet selection via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.
OR
Select all cabinets and slots.(and go to step 4)

- 3) Enter slot number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.

- 4) Enter 1 for HALT or 0 for PROC.
OR
Press Volume button to make selection and press Right Soft button to enter and return to step 2.

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

DISPLAY

```
HALT/PROCESSING
C:ALL S:ALL→PROC
```

```
HALT/PROCESSING
C:1 S:ALL→PROC
```

```
HALT/PROCESSING
C:ALL S:ALL→PROC
```

```
HALT/PROCESSING
C:1 S:2→PROC
```

RELATED ITEMS

NONE

[811] RESET SYSTEM

Provides a means of restarting the system. The system can simply be reset or it can be reset and all memory cleared to default values. 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 MC card read.
1	CLEAR MEMORY	System reset and make default system with MC card read.
2	FAST RESTART	System reset only without MC card read.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 811.
Display shows:
- 2) Enter reset type(0-2) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button.
- 4) Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button.
- 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.

DISPLAY

SYSTEM RESTART
RESET SYSTEM?NO

SYSTEM RESTART
CLEAR MEMORY?NO

SYSTEM RESTART
CLEAR MEMORY?YES

SYSTEM RESTART
ARE YOU SURE?YES

RELATED ITEMS

NONE

[812] SET COUNTRY CODE

Selects the country for correct system programming and operation.



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.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 812.
Display shows:
- 2) Press Volume button to make selection and press Right Soft button.
- 3) Press Volume button to select YES or NO and press Right Soft button.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SELECT COUNTRY
Undefined
```

```
SELECT COUNTRY
RUSSIA/CIS
```

```
DEFAULTING SYSTEM
ARE YOU SURE?NO
```

RELATED ITEMS

MMC 811

RESET SYSTEM

[813] HOTEL OPERATION

Allows the installing technician to enable the HOTEL feature.

DEFAULT DATA

DISABLE

ACTION

- 1) Press Transfer button and enter 813.
Display shows:
- 2) Dial 1 for ENABLE or 0 for DISABLE.
OR
Press Volume button to make selection and press Right Soft button.
- 3) Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button.
- 4) Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
HOTEL OPERATION
DISABLE
```

```
HOTEL OPERATION
ENABLE
```

```
HOTEL OPERATION
CHANGE NOW ? NO
```

```
HOTEL OPERATION
ARE YOU SURE?YES
```

RELATED ITEMS

Hotel Related MMCs

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

This enables the on-board customer database(SRAM) to be copied to the MC Database(MCDB) and also allows the MCDB database to be copied to the SRAM. A daily save can be programmed to automatically save the SRAM to the MCDB. This ensures that an up-to-date database is always available in case of a catastrophic failure. A daily save time of 00:00 means that no daily save is performed.

It is recommended that the MCDB is cleared before the SRAM is copied to it. When the SRAM is copied to the MCDB there is no interruption in service. If the MCDB is copied to the SRAM, the system will reset to accept the new data.

MCDB(Mc card database)

Option	Description
S:mm/dd/yy hh:mm	Indicates the time the database was saved to the MCDB.
CLEAR MCDB	Clear MCDB.
COPY TO SRAM	Copy MCDB to SRAM.

SRAM(MCP on-board database)

Option	Description
S:mm/dd/yy hh:mm	Indicates the time the SRAM was last saved.
COPY TO MCDB	Copy SRAM to MCDB.
DAILY SAVE hh:mm	The time the SRAM will be saved to the MCDB.



NOTE

A MC Card of 256 MB

A MC Card of 256 MB must be installed in order to copy the on board database(SRAM) on to the MC card (MCDB).

DEFAULT DATA

DAILY SAVE 00:00(no daily save)

ACTION

- 1) Press Transfer button and enter 815.
Display shows:

If MC card is in use, the display shows:

DISPLAY

```
CUST DBASE:MCDB
S:12/01/01 00:00
```

```
CUST DBASE:MCDB
MMC IS BUSY
```

- | | |
|---|---------------------------------------|
| 2) Press Right Soft button to move cursor. | CUST DBASE:MCDB
S:12/01/01 00:00 |
| 3) Press Volume button to make selection and press Right Soft button to move cursor. | CUST DBASE:MCDB
CLEAR SMDB :NO |
| 4) Press Volume button to select YES or NO and press Right Soft button. | CUST DBASE:MCDB
CLEAR SMDB :YES |
| 5) Press Volume button to select YES or NO and press Right Soft button. | CUST DBASE:MCDB
ARE YOU SURE?NO |
| If you select YES, the display shows. | CUST DBASE:MCDB
Cleared... |
| 6) Press Volume button to make selection and press Right Soft button to move cursor. | CUST DBASE:SYSDB
DAILY SAVE:00:00 |
| 7) Press Volume button to make selection and press Right Soft button to move cursor. | CUST DBASE:SYSDB
DAILY SAVE:00:00 |
| 8) Input save time.
OR
Press Right Soft button to move cursor. | CUST DBASE:SYSDB
DAILY SAVE:23:30 |
| 9) Press Volume button to make selection and press Right Soft button to move cursor. | CUST DBASE:SYSDB
COPY TO SMDB:NO |
| 10) Press Volume button to make selection and press Right Soft button to make changes and return to step 9. | CUST DBASE:SYSDB
ARE YOU SURE?:YES |
| 11) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC. | |

RELATED ITEMS

NONE

[818] PROGRAM DOWNLOAD

Change the system version by downloading the new version stored on the MC card to the APP/SYS/DRV/WEB/RUT/MSP/CSP and TEPRI cards.

Option	Description
APP	To upgrade application (including MP and VM module)
SYS	Include all modules. (?)
DRV	To upgrade Driver, F/W (including SP, MGI, drivers)
WEB	To upgrade WEB UI
RUT	To upgrade Router module (limited in MP11)
MSP	To upgrade MSP driver
CSP	To upgrade CSP driver
PR2	To upgrade TEPRI2 Package
PRI	To upgrade TEPRI/ TEPRIa Package

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 818.
Display shows:
- 2) Press Volume button to select program type and press Right Soft button to move cursor.
- 3) Press Volume button to select YES and press Right Soft button to move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
PGM DOWNLOAD
APP:ap10v014.pkg
```

```
PGM DOWNLOAD
SYS:rd10v014.pkg
```

```
SYSTEM PKG
DOWNLOAD NOW?YES
```

RELATED ITEMS

NONE

[819] MC FILE CONTROL

Displays the size(in bytes) of various system program files on the MC card.

Files included in MC card are described below:

File Name	Description
Startup.ini	If user designates an MCP program in 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.
Ms10v508.pkg	MSP driver program This program must be included in MC card to start the system.
Cs10v101.pkg	MSP driver program This program must be included in MC card to start the system.
Ap10v014.pkg	Appication program. MP and VM module is included in this package.
Dr10v014.pkg	This package includes SP, MGI and other drivers.
Rd10v014.pkg	RAMDISK program
Ws10v014.pkg	WEB UI program
vm_l_use.tar/ vm_l_uk.tar	VM prompt

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 819.
Display shows:
- 2) Press Volume button to confirm program type
- 3) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
Startup.ini  
sz:512 bytes
```

```
Cs10v101.pkg  
sz:14418432 bytes
```

RELATED ITEMS

NONE

[820] ASSIGN SYSTEM LINK ID

This MMC is used to assign the system link ID for PRI and VoIP networking. Up to 100 link IDs can be entered including SELF ID. In addition, each Link ID is associated with the IP address and IP address type of the MCP card for that system.

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' in 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:
- 2) Enter SELF link ID via dial keypad and press Right Soft button.
- 3) Press Volume button to select other link ID and press Right Soft button to mover cursor.
- 4) Enter other link ID via dial keypad and press Right Soft button.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

SELF :LINK ID

SELF :LINK ID
11

SYS01 :LINK ID

SYS01 :LINK ID
22

RELATED ITEMS

MMC 821	ASSIGN NETWORK TRUNK
MMC 823	ASSIGN NETWORK COS
MMC 824	NETWORK DIAL TRANSLATION
MMC 830	ETHERNET PARAMETERS

[821] ASSIGN NETWORK TRUNK

Assigns the Q-signalling PRI trunk for networking. It is assigned data on a per-TEPRI card basis.

DEFAULT DATA

NORMAL

ACTION

- 1) Press Transfer button and enter 821.
Display shows:
- 2) Enter first trunk number of PRI card.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter 0 for NORMAL, or 1 for Q-SIGNALLING.
OR
Press Volume button to make selection and press Right Soft button to save and move cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[701] Q-SIG TRK  
NORMAL
```

```
[701] Q-SIG TRK  
NORMAL
```

```
[701] Q-SIG TRK  
Q-SIGNALLING
```

RELATED ITEMS

NONE

[822] 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

DEFAULT DATA

3501-3522: SLT

3401-3440: 21 BTN SET

ACTION

- 1) Press Transfer button and enter 822.
Display shows:
- 2) Enter virtual extension number.
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
OR
Select all ports.
- 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 to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[3501]PORT TYPE  
SLT
```

```
[3501] PORT TYPE  
SLT
```

```
[ALL] PORT TYPE  
SLT
```

```
[3501] PORT TYPE  
SLT
```

RELATED ITEMS

NONE

[823] ASSIGN NETWORK COS

Assigns the class of service for networking.

No	Option	Default	Description
01	CALL OFFER	Y	Call Offer
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

- 1) Press Transfer button and enter 823.
Display shows:
- 2) Dial the class of service number.(01-30)
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 3) Dial the feature number.
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 4) Enter 0 for NO, or 1 for YES.
OR
Press Volume button to select YES or NO and
Press Right Soft button to store data.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
NETWORK COS (01)
01:CALL OFFER :Y
```

```
NETWORK COS (02)
01:CALL OFFER :Y
```

```
NETWORK COS (02)
03:CC PATH RSV:Y
```

```
NETWORK COS (01)
03:CC PATH RSV:N
```

RELATED ITEMS

MMC 301

ASSIGN STATION COS

[824] NETWORK DIAL TRANSLATION

Assigns the digit translation table used for networking. Generally, under networking conditions, you must dial the node ID and extension number to call the another node extension. In this MMC, the system provides a simple digit translation so that the user need only dial the extension number to call the station on the other node. The access digit needs to be programmed in MMC 724('NTWK LCR DIAL NO.' option) first. The system allows 96 entries for network dial translation.

DEFAULT DATA

NONE

ACTION

DISPLAY

- 1) Press Transfer button and enter 824.
Display shows:
- 2) Dial the entry number.
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 3) Enter digit string for access to node(max. 8 digits)
and press Right Soft button to move cursor.
- 4) Enter number of digits user will dial.(e.g., 3 for 3-
digit extension)
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 5) Enter max. number of digits system will dial.
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 6) Enter YES/NO to display other node extension
in internal extension number format.
OR
Press Volume button to select and press Right Soft
button to move cursor.

```
01:601→  
SIZE:0 MAX:00
```

```
01:601→_  
SIZE:0 MAX:00
```

```
01:601→60201  
SIZE:0 MAX:00
```

```
01:601→60201  
SIZE:3 MAX:00
```

```
01:601→60201  
SIZE:3 MAX:08
```

```
01:601→60201  
DISP:N MBX:N
```

- 7) Enter YES/NO to assign Mailbox to remote extension automatically.

01:601→60201

DISP:Y MBX:N

OR

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

- 8) Press Transfer button to save and exit.

OR

Press Speaker button to advance to next MMC.

RELATED ITEMS

MMC 710	LCR DIGIT TABLE
MMC 724	DIAL NUMBERING PLAN
MMC 820	ASSIGN SYSTEM LINK ID

[825] ASSIGN NETWORKING OPTIONS

Assigns the options used for networking.

No	Option	Description
0	ADD NUMBER TO NAME	Assign to include 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	Use Attendant on remote system.(RING 1-6, Y/N)
5	REMOTE ATTN NUMB	Access number of remote Attendant when the remote Attendant is used.(RING 1-6)
6	SPNET DIGIT SEND	Specify by which method dialled digits are sent across the network.

DEFAULT DATA

ADD NUMB TO NAME: YES
 USE REMOTE VM: NO
 REMOTE VM NUMBER: NONE
 REMOTE CID NUMB: YES
 USE REMOTE ATTN: NO
 REMOTE ATTN NUMB: NONE
 SPNET DIGIT SEND: MGI SIGNALLING

ACTION

- 1) Press Transfer button and enter 825.
Display shows:
- 2) Dial the option number.
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 3) Dial 1 for YES or 0 for NO.
OR
Press Volume button to select YES/NO and
press Right Soft button to mover cursor.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

ADD NUMB TO NAME
YES

USE REMOTE VM
NO

USE REMOTE VM
YES

RELATED ITEMS

NONE

[826] ASSIGN SYSTEM REFERENCE CLOCK

The system clock may be synchronized with an external clock source from the TEPRI or BRI card, or it can use the internal clock source.

This MMC can assign the system clock source priority when the external clock source is used.

DEFAULT DATA

PRIORITY 1: C1-S0

PRIORITY 2: C1-S1

PRIORITY 3: SELF

ACTION

- 1) Press Transfer button and enter 826.
Display shows:
- 2) Dial the priority number
OR
Press Volume button to select and press Right Soft button to move cursor.
- 3) Dial the priority data.
OR
Press Volume button to select and Press Right Soft button to store.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
REFERENCE CLOCK  
PRIORITY 1:C1-S0
```

```
REFERENCE CLOCK  
PRIORITY 1:C1-S0
```

```
REFERENCE CLOCK  
PRIORITY 1:C1-S0
```

RELATED ITEMS

NONE

[829] LAN PRINTER PARAMETERS

This program sets the various parameters required for printing to a LAN-connected device. The data listed below can be printed.

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:

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 values set in this MMC
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	Lines per page

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 829.
Display shows:
- 2) Enter type of data to be printed.
OR
Press Volume button to select the type and
press the Right Soft button to move the cursor.
- 3) Enter the item number.
OR
Press Volume button to select the item and
press the Right Soft button to move the cursor.
- 4) Select the data.
OR
Press Volume to select the data and press
Right Soft button to move the cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[01] DATA TYPE  
SMDR
```

```
[02] DATA TYPE  
UCD REPORT
```

```
[02] PRINTER IP  
200. 1. 1. 1
```

```
[02] PRINTER IP  
168.219. 83.101
```

RELATED ITEMS

NONE

[830] ETHERNET PARAMETERS

This MMC provides a mean to configure the Internet Protocol(IP) addressing of the MCP card.

No	Parameter	Description
00	SYSTEM IP ADDR	Specifies the IP address for the MCP 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 MCP.(without having to go through the designated network IP gateway)
03	SYSTEM RESET	Prompt to reset system MCP when system IP address is changed. This reset is same as FAST RESTART in MMC 811.
04	SYSTEM IP TYPE	Specifies if the system will be routing data over a public or private network.
05	SYSTEM PUBLIC IP	The MCP 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 the LAN. See 'SYSTEM IP TYPE'.
08	SYSTEM MAC ADDR	For reference, and cannot be changed. The unique hardware (MAC) address of the MCP card.
12	PCMMC ADDRESS	When the system wants to connect to PCMMC, it will be sent to this IP address for a connection message.(Reserved for future use.)
13	SM MANAGER IP	Not used.
14	CTI SERVER ADDR	IP address of CTI Server
17	NEWS ADDRESS	IP address of News Server
18	MMS SERVER IP	IP address of MMS Server
19	MMS WEB SERV IP	IP address of MMS WEB Server



NOTE

ETHERNET PARAMETERS

- The first three parameters: SYSTEM IP ADDR, SYSTEM GATEWAY, and SYSTEM NET MASK are stored separately from the main system database and 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, three digits must be entered for each(octet) field. For example 192.168.1.10 should be entered as: 192 168 001 010.

CONDITIONS

- This MMC must be used if there are ITP phones and/or MGI cards on the system.
- After changing Ethernet parameters, restart the system to apply the new settings.

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 DEPENDENT
PCMMC ADDRESS: 168.219.1.101
SM MANAGER IP: 0.0.0.0
CTI SERVER ADDR: 0.0.0.0
NEWS ADDR: 0.0.0.0
MMS SERVER IP: 0.0.0.0
MMS WEB SERV IP: 0.0.0.0

ACTION

- 1) Press Transfer button and enter 830.
Display shows the system IP address.
- 2) Press Volume button to make selection and
Press Right Soft button to move cursor.
- 3) Using the keypad, enter 3-digit IP numbers.
(e.g., 192 168 001 010 for 192.168.1.10)
Cursor will return to step 1 upon completion
of IP address entry.
- 4) Press Volume button to make selection and
Press Right Soft button to move cursor.
- 5) Using the keypad, enter 3-digit IP numbers.
(e.g., 192 168 001 001 for 192.168.1.1)
Cursor will return to this step on completion
of system gateway entry.
- 6) Press Volume button to make selection and
press Right Soft button to move cursor.
- 7) Press Volume button to make selection and
press Right Soft button to store and move cursor.
- 8) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
192.168.001.010
```

```
SYSTEM GATEWAY
165.213. 97. 1
```

```
SYSTEM GATEWAY
192.168.001.001
```

```
SYSTEM RESTART
ARE YOU SURE? NO
```

```
SYSTEM RESTART
ARE YOU SURE? NO
```

RELATED ITEMS

NONE

[831] MGI PARAMETERS

This MMC provides a mean to configure the Internet Protocol(IP) addressing of the MGI card(s) in 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 of IP devices(subnet) that are within 'direct reach' of the MGI.(without having to go through the designated network IP gateway)
3	IP TYPE	Specifies if the system will be routing data over a public or private network.
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	PUB PORT	Public Port
6	VERSION	No entry required. Used to indicate revision of MGI3 S/W.
8	CARD RESET	Reboots MGI card.
9	IP VERSION	Specidies MGI IP version is IPv4 / IPv6.



NOTE

MGI PARAMETERS

- IP ADDRESS, GATEWAY, and SUB MASK—any changes to these parameters will not be applied until the MGI card is reset.
- When changing any IP address/value, three digits must be entered for each (octet) field. For example, 192.168.1.10 should be entered as 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
 PUB PORT: 00000
 VERSION: V4
 CARD RESET: NO
 IP VERSION: IPv4

ACTION

- 1) Press Transfer button and enter 831.
Display shows the first MGI card.
- 2) Enter MGI number.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter MGI parameter number.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter MGI parameter.
OR
Press Right Soft button to move cursor.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
168.219. 76.101
```

```
[3801] IP ADDRESS
165. 10. 1.100
```

RELATED ITEMS

NONE

[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 used 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 eight 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.
3	INSERT DGT	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 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.
6	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. For example: If IP address routing to the desired destination is known to be in the last seven entries of a table, the IP START location would be 8. IP address searching would start at entry 8.
7	SERVER USE	This parameter determines whether a H.323 Gatekeeper will be utilized to establish this connection.

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
 SERVER USE: NO

ACTION

- 1) Press Transfer button and enter 832.
Display shows the outbound and first access code.
- 2) Enter 0 for O(outbound) or 1 for I(inbound) code table.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter access code table number(00-62) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter access code item(0-6) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 5) Enter access code data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to save and move cursor.
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
(O:00)ACCESS DGT
0
```

```
(O:00)ACCESS DGT
0
```

```
(O:01)ACCESS DGT
1
```

```
(O:01)ACCESS DGT
1
```

```
(O:01)ACCESS DGT
840
```

RELATED ITEMS

MMC 833	VOIP IP 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(MMC 832). 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

DEFAULT DATA

TB(00) ENTRY(00): MMC 830 SYSTEM IP ADDR

ALL OTHERS: EMPTY

ACTION

- 1) Press Transfer button and enter 833.
Display shows the first table number.
- 2) Enter table number(00-62) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter entry number(00-15) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter IP address via dial keypad.
Cursor will be return step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC entry.

DISPLAY

```
TB(00) ENTRY (00)
0. 0. 0. 0
```

```
TB(00) ENTRY (00)
0. 0. 0. 0
```

```
TB(00) ENTRY (00)
_ 0. 0. 0. 0
```

```
TB(00) ENTRY (00)
165.213. 87.110
```

RELATED ITEMS

MMC 830	ETHERNET PARAMETERS
MMC 832	VOIP ACCESS CODE
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 apply system wide.

No	Parameter	Description	Default
00	GATEWAY CALL ID	Numeric identifier for system(up to 12 digits)	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: shows the gateway call ID. 1 ANI: shows the calling station number 2 IP: shows the calling H.323 gateway IP address.	ANI
06	TUNNELING	Enables or disables the need for additional channels using H.245 signalling. 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 an H.323 gateway.	ON
14	SIGNAL PORT	Indicate the port number for H.323 signalling and sets a range of numbers allowed by firewall equipment. The common and default IP path or port used is 10000.	10000
17	SEND CLIP TABLE	Refers to SEND CLI NUMBER(MMC 323), 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 MMC 323 should be entered here. This is only used when MMC 405 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 MMC 406 1 FOLLOW DID TRANS: Follows MMC 714 2 FOLLOW INCOM DGT: Follows MMC 724	FOLLOW DID TRANS
19	ALLOW GW CHECK	When using a gatekeeper, this permits the H.323 gateway to check for gatekeeper presence.	DISABLE
20	CLIR WITH NUMBER	When this option is enabled, the CLIP number is sent to the network even if the CLIP restriction flag is set.	DISABLE
21	USE OVERLAP DIAL	Enables use of overlap dialing.	ENBLOC

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 834.
Display shows the first option.

- 2) Enter H.323 option number(00-20) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

- 3) Enter H.323 option data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

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

DISPLAY

GATEWAY CALL ID
1234

H.323 FAST SETUP
DISABLE

H.323 FAST SETUP
ENABLE

RELATED ITEMS

NONE

[835] MGI DSP OPTIONS

This MMC provides various MGI DSP options.

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(5.3~6.4K).	G.729A – 20 Ms
01	ECHO CANCEL	Enables or disables echo cancellation. This function removes the 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.	DISABLE
03	IN FILTER	This option selects input filtering of the DSP. This should always be set to ENABLE.	ENABLE
04	OUT FILTER	This option selects output filtering of the DSP. This should always be set to ENABLE.	ENABLE
05	INPUT GAIN	PCM input gain value of DSP. The range is -31 dB~32 dB(0~63). This set the quality of PCM voice from the VoIP DSP to the site. Default is 32(0 dB).	32
06	VOICE VOL	This value selects the voice volume. The range is -31 dB~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
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 if errors are detected.	ENABLE
12	MAX FAX CNT	This is the maximum number of channels that can be simultaneously used for Fax-over-IP. The range is 00~16.	2

(continued)

No	Parameter	Description	Default
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.	OUTBAND
14	TOS FIELD	An 8-bit binary value that will be used 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 the 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 if errors are detected. The range is 0~4(0 means no retry).	3
16	RTP CHK TM	This option selects the interval time for sending RTCP.	5 SEC
17	USE T38 711	If use T38 FAX, specifies 711 Codec use	Enable
18	802.1 VLAN	Set value (0000~4095)	0000
19	802.1 PRIOR	Set value (0~7)	0
20	802.1Q	Enable or disable for 802.1Q (including 802.1 VLAN and 802.1 PRIOR)	DISABLE
21	EC GAIN	Set EC gain value (18~38)	32
22	NLP	Set NLP value (0~2)	0
23	EC TAIL LEN	Set EC TAIL LEN (8~128)	064 MS
24	JIT PERIOD	Set JITTER PERIOD (1~10)	01
25	JIT DEL TM	Set JITTER DELETE TIME (0~500)	250

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 835.
Display shows the first option.
- 2) Enter MGI type(0-2) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter MGI DSP parameter via dial keypad.
OR

DISPLAY

```
MGI3:CODEC-FRAME
G.729A -40 MS
```

```
MGI3:CODEC-FRAME
G.729A -40 MS
```

```
MGI3:CODEC-FRAME
G.729A -40 MS
```


Press Volume button to make selection and press Right Soft button to move cursor.

- 4) Enter MGI DSP parameter.

OR

Press Volume button to make selection and press Right Soft button to save and return to step 3.

MGI3 : CODEC-FRAME

G. 729A -20 MS

- 5) Press Transfer button to save and exit.

OR

Press Speaker button to advance to 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 signalling (RAS). The settings apply 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 the H.323 call to connect to a gatekeeper.	DISABLE
01	GK ROUTING	This enables routing of calls through a gatekeeper.	DISABLE
02	GK IP ADDRESS	This is the gatekeeper's IP address.	0.0.0.0
03	GK NAME	This is the alphanumeric identifier of the gatekeeper.(Up to 16 characters.)	'Gatekeeper'
04	ALTER GK IP ADDR	This provides 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.(Up to 32 characters.)	'OfficeServ'
06	E.164 GATEWAY NO	This is the E.164 identifier used by the H.323 trunk when registering with the gatekeeper.(Up to 16 digits long.)	1234
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 if 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
10	URQ REASON MODE	Select ON or OFF for use 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

No	Parameter	Description	Default
13	GRQ SEND	Select ON or OFF for use of Gatekeeper RAS Request (GRQ) messages.	OFF
14	USE MULTI E.164	When this option is set to ENABLE, the E.164 identifier can be assigned.	DISABLE
15	E.164 LISTS	This is the E.164 identifier used by the H.323 trunk when registering with the gatekeeper. There is a maximum 32 E.164 identifier lists with a digit string length of 16 digits.	NONE
16	GK REGISTERED	Display the status of registration to the Gatekeeper.	NO

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 836.
Display shows the first available option.
- 2) Enter H.323 GK option via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter H.323 GK option data.
OR
Press Volume button to make selection and press Right Soft button to save and return step 3.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
GK CONNECTION
DISABLE
```

```
GK ROUTING
DISABLE
```

```
GK ROUTING
ENABLE
```

RELATED ITEMS

MMC 834

H.323 OPTIONS

[837] SIP OPTIONS

This MMC permits the adjustments of optional Session Initiation Protocol(SIP) trunk parameters. The MCP 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	Numeric system identifier(up to 12 digits)	'1234'
01	CALLER ID TYPE	This option controls the calling party identification type. There are 3 possible selections: 0 GWID: shows the gateway call ID. 1 ANI: shows the calling station number.(default) 2 IP: shows the calling H.323 gateway IP address.	ANI
05	DEFAULT DIL NO	This allows programming of the default direct-in-line number when digits are missing or incorrect on an in-bound call.	5000
06	UDP PORT: TRUNK	Sets the UDP port used on a SIP trunk call.	5060
07	UDP PORT: PHONE	Sets the UDP port used on a SIP phone call.	5070
09	RE-TRANS. T1 TIME	The initial re-transmission time if there is no answer, based on the RFC2543 specification. The range is 0~9900 ms.	500 ms
10	RE-TRANS. T2 TIME	The maximum re-transmission time if there is no answer, based on the RFC2543 specification. The range is 0~9900 ms.	4000 ms
11	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
12	GENERAL RING TM	The server retransmits the response for this length 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
13	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 length of time after sending ACK for the Final Response. The range is 0~99900 ms.	5000 ms

(continued)

No	Parameter	Description	Default
14	PROVISIONAL TIME	After receiving the Provision Response, the User Agent waits for this length of time until Timeout ends. The range is 0~999900 ms.	180000 m
15	INV.NO RESP TIME	Before sending Cancel for the Invite Request, the User Agent waits for this length of time. The range is 0~99900 ms.	5000 ms
16	GEN.NO RESP TIME	Before sending Cancel for General Request, the User Agent waits for this length of time. The range is 0~99900 ms.	5000 ms
17	REQ.RETRY TIME	After sending General Request, the User Agent waits for the Final Response for this length of time. The range is 0~99900 ms.	5000 ms
18	SIP SERVER ENABLE	Sets ENABLE or DISABLE to use an optional, external industry-standard SIP Server.	DISABLE
20	SIP SERVER IP	Sets SIP server IP address.	0.0.0.0.
28	SIP SERVER PORT	Sets the port to use on the SIP Server.	5060
29	SIGNAL PORT	Indicates the port number for SIP signalling and sets a range of numbers allowed by firewall equipment. The common and default IP path or port used is 10000.	10000
32	SEND CLIP TABLE	Refers to SEND CLI NUMBER(MMC 323), 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 to the desired table in MMC 323 should be entered here. This is only used when MMC 405 value is null.	1
33	INCOMING MODE	This option selects how incoming calls are routed when the MGI is used as a SIP gateway. 0 FOLLOW TRUNK RING: Follows MMC 406 1 FOLLOW DID TRANS: Follows MMC 714(default) 2 FOLLOW INCOM DGT: Follows MMC 724	FOLLOW DID TRANS
34	ALLOW GW CHECK	When using a gatekeeper, this permits the SIP gateway to check for gatekeeper presence.	DISABLE
35	REGIST T-GW NUM	System number when registering as a trunking gateway.	4100
36	REGIST S-GW NUM	System number when registering as a gateway for stations.	4200
37	CLIR WITH NUMBER	When this option is enabled, the CLIP number is sent to the network even if the CLIP restriction flag is set.	DISABLE

(continued)

No	Parameter	Description	Default
38	SIP REGISTERED	Display the status of registration to the SIP Server.	NO
39	GW SERVICE	When using SIP Server, if this option is ENABLE, then register by user and if DISABLE then register by system number.	DISABLE
40	GW DOMAIN NAME	Domain name for authorization when using SIP Server	
41	GW USER ID	User ID for authorization when using SIP Server	
42	REGISTER PSWD	This password must be used to register SIP Server	-
43	REG EXPIRE TIME	This tims value is expire time.	000000 SEC
44	SESSION TIMER	Settion Timer Value can be set. (0:NONE, 1:UPDATE, 2:REINVITE)	NONE
45	SERVER VENDOR	SIP server vender value can be set. (0:IETF, 1:IMS, 2:BroadWorks, 3:Xener, 4:Telcoware, 5:SEC-IMS)	0
46	LINK TEST	This value is for Link test between Proxy Server and OfficeServ system. (0:NONE, 1:OPTIONS)	NONE

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 834.
Display shows the first option.
- 2) Enter SIP option number 00-38(e.g., 01) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter SIP option data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

DISPLAY

GATEWAY CALL ID
1234

CALLER ID TYPE
ANI

CALLER ID TYPE
IP

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

RELATED ITEMS

MMC 323	CALLING PARTY NUMBER
MMC 405	TRUNK CO TEL NUMBER
MMC 306	TRUNK RING ASSIGNMENT
MMC 714	DID NUMBER AND NAME TRANSLATION
MMC 724	DIAL NUMBERING PLAN
MMC 832	VOIP ACCESS CODE
MMC 834	H.323 OPTIONS

[839] SIP USER

This MMC is used to register sip user and password.

DEFAULT DATA

ACTION

- 1) Press Transfer button and enter 839.
Display shows the first table number.
- 2) press Right Soft button to move cursor.
- 3) Enter registration number(01-100) via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
- 4) Enter table number(0,1) via dial keypad.
OR
Press Volume button to make selection and
press Right Soft button to move cursor.
- 5) Enter user number or password via dial keypad.
OR
press Right Soft button to save
- 6) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC entry.

DISPLAY

REG-01 : USER NUM

REG-01 : USER NUM

REG-01 : USER NUM

REG-01 : USER NUM

REG-01 : USER NUM

-

RELATED ITEMS

MMC 837

SIP OPTIONS

[838] PRIVATE IP ADDRESSES

This MMC is used to select which SYSTEM IP Address(PRIVATE or PUBLIC) is used to connect other devices via an H.323 or SIP trunk. The device that 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

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 selection and press Right Soft button to move cursor.
- 3) Enter IP address via dial keypad.
Cursor will return to step 3.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to 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 PARAMETERS
MMC 832	VOIP ACCESS CODE
MMC 834	H.323 OPTIONS
MMC 837	SIP OPTIONS

[840] IP PHONE INFORMATION

This MMC provides a means to register IP phones with the OfficeServ 7100 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 default phone numbers are 3201~3299 and default User IDs match the default station numbers. The system default password is 1234. IP phones must be individually programmed with a User ID and Password in order 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 7100 system.(alphanumeric)	First 99 IP phones are 3201~3299, others are EMPTY.
01	USER PSWD	This is the password the IP phone must have to register with the OfficeServ 7100 system. (alphanumeric)	'1234'
02	IP ADDR	This is the IP address of the IP phone when registered with the system.(Read only)	0.0.0.0.
03	MAC ADDR	This is MAC address of the IP phone when registered with the system.(Read only)	FFFFFFFFFFFF
04	SIG PORT	This is the IP UDP port of the IP phone when registered with the system.(Read only) 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 when registered with the system.(Read only) 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 follow MGI CODEC type.	G.729A
08	PHONE TYPE	This is the type of IP phone used, SAMSUNG or SIP (future). Use SAMSUNG.	SAMSUNG
09	REGIST CLR	This is used to clear the registration of a particular IP phone. This is similar to unplugging and plugging in the phone and is useful for maintenance.	NO
10	FRAME COUNT	This value determines the transmission interval time of VoIP packets generated by the IP phone. This data uses MMC 841 ITP DSP PARA DOWN = PHONE DATA only. The range is 10~40 ms.	20 ms

(continued)

No	Option	Description	Default
11	JITTER BUF	Decides the minimum time to consider delay for jitter adjustment. This data uses MMC 841 ITP DSP PARA DOWN = PHONE DATA only. The range is 10~90 ms.	20 m
12	TOS FIELD	An 8-bit binary value that will be used 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 the default value(00000) if your network infrastructure does not support this method of bandwidth management. This data uses MMC 841 ITP DSP PARA DOWN = PHONE DATA only.	All bits 0
13	SW VERSION	Display IP phone software version.(Read only)	-
14	SW UPGRADE	This is used as IP phone software upgrade request command. When YES is selected and Right Soft button is pressed, the system requests IP phone software upgrade with TFTP IP address.	-
15	TIME ZONE	Allows remote IP phones to display own time zone.	00.00
16	PUBLIC TO PUBLIC	When this option is set to USE MGI, the MGI can be allocated between remote IPs in the same private zone.	NOT USE MGI
17	SIG TYPE	This option can change UDP/TCP signal type for IPs.(ITP V3.xx only supports the TCP signal type. If TCP is set and ITP V2.xx attempts to connect, the TCP signal type will change from TCP to UDP automatically.)	UDP
18	PRIVATE IP	Displays private IP address of remote IP phone allocated by phone's router.	-
19	VIDEO DSP	This option is codec value of Video IP phone (0 : MPEG4, 1 : H.263)	H.263
20	VIDEO SIZE	This option is for video size (0 : CIF, 2 : QCIF)	CIF

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 840.
Display shows:
- 2) Enter IP phone number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter IP phone option number via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 4) Enter option data via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to save and return to step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 3201 ]USER ID
3201
```

```
[ 3210 ]USER ID
3210
```

```
[ 3210 ]DSP TYPE
G.729A
```

```
[ 3210 ]DSP TYPE
G.711
```

RELATED ITEMS

MMC 615	MGI GROUP
MMC 616	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 apply system wide.

No	Option	Description	Default
00	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: 2-line LCD IP-based phone 3 WIPM APPL: Wireless IP-based mobile phone software. 4 SOFT PC: IP phone emulation on PC (Soft-Phone application) 5 SOFT PDA: IP phone emulation on PDA (Soft-Phone application) 8 WIPM BOOT: Wireless IP-based mobile phone boot program. 9 SOFT MENU: Soft menu version	0000
01	PHONE TFTP IP	Sets phone software upgrade TFTP server IP address.	0.0.0.0
02	ITP REGISTRATION	Defines the method that IP-based phones use to register with the system.	
		0 TYPE: a) SYS PSWD: System will authenticate the IP-based phones with the value in ITP REGISTRATION: PSWD parameter(see 1, below). B) PHONE PSWD: System will authenticate the IP-based phones according to entries made in MMC 840. c) DISABLE: System will not authenticate IP-based phones.	SYS PSWD
		1 PSWD: This is a system-wide password used for registration of IP phones.	'1234'
03	EASYSET OPTION	Sets EasySet link via LAN option with the system.	
		0 PSWD: This is a system-wide password used for authentication of EasySet server.	'1234'
		1 ALIVE: This is an EasySet link via LAN alive check timer.	0 SEC

(continued)

No	Option	Description	Default
04	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: This is a CTI link via LAN alive check timer. If this is set to 0, the system will not check link alive.	300 SEC
05	ITP DSP PARA	Sets IP phone DSP parameter 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 only(see 3, below). 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 only(see 3, below). The range is 10~90 ms.	20 ms
		2 TOS: An 8-bit binary value that will be used 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 the default value(00000) if your network infrastructure does not support this method of bandwidth management. This data uses DOWN = SYSTEM DATA only(see 3, below).	All bits 0
		3 DOWN: Determines whether system-wide data or individual phone data is used for DSP control of IP-based phones. a) SYSTEM DATA: System-wide data will be used.(MMC 841) b) PHONE DATA: Individual phone data will be used.(MMC 840)	SYS DATA
06	ITP TX GAIN/HSET	Sets IP-based phone Handset TX gain value of each level.	Depends on country
07	ITP RX GAIN/HSET	Sets IP-based phone Handset RX gain value of each level.	Depends on country

(continued)

No	Option	Description	Default
08	ITP TX GAIN/MIC	Sets IP-based phone MIC gain value of each level.	Depends on country
09	ITP RX GAIN/SPKR	Sets IP-based phone SPKR gain value of each level.	Depends on country
10	ITP VERS UPGRADE	Sets IP-based phone software upgrade option with the system.	
		0 TYPE: a) MMC COMMAND: IP-based phone software upgraded manually in MMC 840. b) PHONE CON: IP-based phone software upgraded automatically when phone connected. c) AUTO TIME: IP-based phone software upgraded automatically at set time.	MMC COMMAND
		1 START(HHMM): IP-based phone software automatic upgrade start time.	0000(Disable)
		2 INTERVAL: IP-based phone software automatic upgrade interval time.	10 seconds.
11	MGI ALIVE PERIOD	Set the time interval of checking the link connection of MGI card and the system.	-
13	LICENSE KEY	Insert the license key to enable SoftPhone connection.	NONE
14	LICENSE STATUS	The status(Valid or Invalid) of the inserted license key.	-
15	DATA CARD IPC	Set the value(YES or NO) to support IPC by DATA CARD	YES
16	MP MGI/VM KEY	Insert the license key to enable MGI, VM ports	-
17	MP MGI/VM STATUS	The status of the inserted MP MGI/VM license key. 1. MGI ALLOW (0~8) 2. VMS ALLOW (0~4)	-

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 841.
Display shows the first available option.
- 2) Enter option category number 0-13 via dial Keypad.(e.g., 2)
OR
Press Volume button to make select and press Right Soft button to move cursor.
- 3) Enter option number via dial keypad.
OR
Press Volume button to make select and press Right Soft button to move cursor.
- 4) Enter option data.
OR
Press Right Soft button to save and return to step 3.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
PHONE VERSION
LARGE DGP: 0000
```

```
ITP REGISTRATION
TYPE: SYS PSWD
```

```
ITP REGISTRATION
PSWD: 1234
```

```
ITP REGISTRATION
PSWD: 8228
```

RELATED ITEMS

MMC 199	SHOW LICENSE STATUS
MMC 840	IP PHONE INFORMATION

[845] WLAN PARAMETERS

This MMC modifies the WLAN parameters.

The SYSTEM KEY is used internally to distinguish between systems when registering a terminal. The default value is '00000', but this must be changed to another value to enable the use of WLAN terminals. In addition, the SYSTEM KEY serves as an identification ID when a WLAN terminal connects to the WBS24.

The default value of the SYSTEM ID, 'WBS24', must also be changed to another value in order to use multiple systems in one area. The DNS setting for WLAN is additionally described in this MMC.

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
05	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.729 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

(continued)

No	Parameter	Description	Default
07	VERSION	WLAN module version.	Version
20	MAX AP CH.	Set the maximum channel number of AP	00
21	WLAN SWTCH	Support WLAN switch function	DISABLE

SIP PARAMETER

No	Parameter	Description	Default(ms)
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.	500
1	RE-TRANS T2	Maximum retransmission interval defined in RFC 2543	4000
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 after receiving ACK message in an unreliable transmission protocol.	5000
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 this length of time until it receives the requested retransmission. For example, this parameter can be used as the waiting time after sending 200 OK for INFO.	6000
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 this length of time after sending the ACK for the Final Response.	1000
5	GEN NO RESP	Waiting time before cancelling SIP related Request.	5000
6	INV NO RESP	Waiting time before cancelling SIP INVITE Request.	6000
7	REQ RETRY	Waiting time for receiving final response for SIP related Request.	5000
8	PROVISIONAL	On receiving Provision Response, the User Agent must wait for this length of time until Timeout.	180000

DEFAULT DATA

SEE DESCRIPTION

ACTION**DISPLAY**

1) Press Transfer button and enter 845.	<pre>WLAN: SYSTEM ID WBS24</pre>
2) When the cursor is on WLAN, press Volume button and select WLAN, WBS, or SIP.	<pre>WLAN: SYSTEM ID WBS24</pre>
3) Press Right Soft button to move to the SYSTEM ID. When the cursor is below SYSTEM ID, press Volume button to select the setting menu for WLAN.	<pre>WLAN: SYSTEM ID WBS24</pre>
4) Set the items below at the WLAN menu.	
SYSTEM ID: Use the Soft button to move the cursor and enter the new WLAN SYSTEM ID to register.	<pre>WLAN: SYSTEM ID WBS24</pre>
Press Soft button and proceed to next register status.	
Register the SYSTEM KEY.	<pre>WLAN: SYSTEM KEY 00000</pre>
Register the 1 st DNS server IP.	<pre>WLAN: 1ST DNS IP 0. 0. 0. 0</pre>
Register the 2 nd DNS server IP.	<pre>WLAN: 2ND DNS IP 0. 0. 0. 0</pre>
Register the 2 nd WBS IP.	<pre>WLAN: 2ND WBS IP 0. 0. 0. 0</pre>
Select the voice codec. Select from G711a, G711u, and G729 CODEC. Numbers are given from 1 to 4 based on priority.	<pre>WLAN: CODEC LIST CODEC 1: G.711a</pre>
Select the usable RF channel. Maximum six channels can be used for a system. (Default RF channel: 1, 6, 11)	<pre>WLAN: RF CHANNEL USE CH 1: 01</pre>
Used to change the TX POWER of all WBS. (Default: LEVEL 1~4)	<pre>WLAN: WBS TX PWR DEFAULT</pre>
Used to clear registration information of all WBS.	<pre>WLAN: CLR WBSREG ARE YOU SURE?NO</pre>

- 5) Set the items below at the WBS24 menu. The selected WBS is as set in MMC 849(SELECT AP TYPE option) i.e. 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 from the pre-assigned RF channels in WLAN RF CHANNELS).

```
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 0-9900 ms.(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 0-9900 ms.(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 0-9900 ms.(Default: 5000 ms)

```
SIP : RE-TRANS T4
005000MS
```

Register the GEN RING TM. The server retransmits the response for this length 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.(Default: 6000 ms)

```
SIP : GEN RING TM
006000MS
```

Register the INV RING TM. After the client sends ACK for the INVITE Final Response, the client can not confirm if the server received the ACK message. The client waits this long 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 waits this long.

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 waits this long.

The range is 0-99900 ms.(Default: 5000 ms)

```
SIP : INV NO RESP
006000MS
```

Register the REQ RETRY. After sending General Request, the User Agent waits for the Final Response for this length 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 waits this long until Timeout ends.

The range is 0-999900 ms.(Default: 180000 ms)

```
SIP : PROVISIONAL
180000MS
```

RELATED ITEMS

MMC 846 WIP INFORMATION

MMC 848 WLAN IP/MAC LIST

MMC 849 WLAN CONFIGURATION

[846] WIP INFORMATION

This MMC sets up the WIP-5000M wireless terminal 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.	NONE
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 five or more numbers are entered into the WIP terminal, this INSERT DGT is prefixed to the numbers, provided the entered numbers do not start with a C.O. number, C.O. group number, LCR, network LCR, or function code.	-

DEFAULT DATA

SEE DESCRIPTION

ACTION

- 1) Press Transfer button and enter 846.
- 2) Dial the WIP number.
OR
Press Volume button to select station and press Right Soft button to move cursor.
- 3) Set the items below at the menu.
Confirm the status of terminal registration for each phone number.

DISPLAY

[3301] REGISTERED
NO

[3301] REGISTERED
NO

[3301] REGISTERED
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 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 the terminal.	[3301] USER ID 1212
Register the PASSWORD of the terminal.	[3301] PASSWORD 0000
Register the INSERT DGT for the terminal. (These digits will be automatically inserted in front of user dialling digits when there are more than 4 digits and they do not start with the trunk access code or feature code.)	[3301] INSERT DGT -

RELATED ITEMS

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 a new registration procedure. If the IP address is already assigned, the assigned terminal number will be shown in the USED field.

Also, the MMC is used to set MAC addresses in the terminal in order to use the wireless LAN.(not yet implemented)

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button, and enter 848.
- 2) Select the menu.(0: IP LIST, 1: MAC LIST)
- 3) Select the table number.
- 4) Enter the IP ADDRESS.
- 5) A number next to USED indicates the terminal number to which the IP ADDRESS was assigned.

DISPLAY

```
IP:001 USED:
0. 0. 0. 0
```

```
IP:001 USED:
0. 0. 0. 0
```

```
IP:001 USED:
_ 0. 0. 0. 0
```

```
IP:001 USED:
168. 0. 0. 0
```

```
IP:001 USED:3301
168.219.149. 5
```

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 849	WLAN CONFIGURATION

[849] WLAN CONFIGURATION

This MMC is used to set the WLAN configuration.

Parameter	Description
REGISTER VoWLAN	Enable or disable registration of new WIP-5000M mobile phone.
WIP REGIST CLEAR	Used to clear the registration of WIP. FORCED mode clearing is used when the device is not connected normally(e.g., device broken), otherwise the NORMAL mode clearing can be used.
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	Select if using DUAL AP or BASIC APs

DEFAULT DATA

REGISTER VoWLAN: DISABLE

WIP REGIST CLEAR: FORCED

WBS WEP SERVICE: DISABLE

WEP KEY: NONE

STATIC WBS IP: DISABLE

STATIC WIP IP: DISABLE

SELECT AP TYPE: BASIC AP(DEPENDS ON COUNTRY)

ACTION

- 1) Press Transfer button, and press 849.
- 2) Enter the PASSCODE.
(This PASSCODE is assigned in MMC 202 WLAN REGST)
- 3) Select ENABLE to register a terminal.
- 4) Select WIP REGIST CLEAR to clear the registration status for a terminal.
- 5) Select the WEP KEY setting when ENCRYPTION is selected.

DISPLAY

ENTER PASSWORD

—

ENTER PASSCODE

REGISTER VoWLAN

ENABLE

WIP REGIST CLEAR

3301:FORCED

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 848

WLAN IP/MAC LIST

[850] SYSTEM RESOURCE DISPLAY

This MMC is used for system resource display.(used and free resources) This is a READ-ONLY MMC.

0. DTMFR DSP'S
1. CID DSP'S
2. R2MFC DSP'S
3. CONF GROUP'S

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

DISPLAY

```
DTMFR DSP'S  
USE:000 FREE:008
```

```
CID DSP'S  
USE:000 FREE:008
```

RELATED ITEMS

NONE

[851] ALARM REPORTING

This MMC is used to view, store, print or clear system alarms. Two levels of faults are displayed via an 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 system's operating capabilities.

The alarm buffer holds up to 100 alarms on a First In-First Out(FIFO) basis. Alarms 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 as it is provided.

ALARM REPORTING OPTIONS(Select one of the options)

No	Option	Description
0	VIEW ALARMS	View alarm buffer.
1	OVERFLOW CONTROL	Determines buffer control when buffer is full. 0 OVERWRITTEN: When buffer is full, the oldest entry in buffer is overwritten.(Default.) 1 STOP RECORDING: When buffer is full, stop recording alarms.
2	CLEAR ALARM BUF	Clears alarm buffer.
3	PRINT ALARM BUF	Prints contents of alarm buffer to the assigned alarm IO port.



NOTE

ALARM CODE DEFINITION

See Alarm Code Definitions in MMC 852.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 851.
Display shows:
- 2) Enter desired option.
OR
Press Volume button to make selection and press
Right Soft button to move cursor.
- 3) System displays the alarm count number, date and
time stamp.
Alarm type and cause code will display.
- 4) Press Volume button to scroll through other alarms.
OR
Press Right Soft button to return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
SYS ALARM REPORT
VIEW ALARMS
```

```
SYS ALARM REPORT
VIEW ALARMS
```

```
[00] 02/18 14:30
MNF02 C1-S02
```

```
SYS ALARM REPORT
VIEW ALARMS
```

RELATED ITEMS

MMC 852

SYSTEM ALARM ASSIGNMENTS

[852] SYSTEM ALARM ASSIGNMENTS

This MMC allows the assignment of system alarms to ring and display on stations that have an Alarm key assigned. The Alarm key is assigned in MMC 722(Station Key Programming). Alarm key programming is tenant wide(tenants 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 holds up to 100 alarms on a First In-First Out(FIFO) basis. Pressing the 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 Definitions:

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 KMMC) resulting in a system reset.
04	MJA04	MCP Reset	The MCP2 has software 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

(continued)

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 cabinet 1 SCP2.
11	MJB04	Memory Alarm 3	A RAM diagnostic check error has occurred in cabinet 2 LCP2.
12	MJB05	Memory Alarm 4	A RAM diagnostic check error has occurred in 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)

(continued)

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 1'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 error rate exceeds 1×10^{-6} errors. Note: 1×10^{-6} is threshold for minor alarm, 1×10^{-3} is threshold for major alarm errors on E1, PRI or BRI. Alarm Data = Cabinet, Slot(Cx-Syy)
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)

(continued)

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 respond 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 respond 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 does not run 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

(continued)

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	There are more ports than can be supported in a cabinet and more power is required. Alarm Data = Cabinet, Slot(Cx-Syy)

(continued)

No	Code	Alarm Name	Definition
80	MNF17	PSU Alarm Rec	Over-configuration of cabinet has been corrected. 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 PSUs. 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 Extension Off Hook Alarm timer has expired. 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

- 1) Press Transfer button and enter 852.
Display shows:
- 2) Enter desired Alarm Display number.(e.g., 64)
OR
Press Volume buttons to select desired option and press Right Soft button to advance the cursor.
- 3) To select if the alarm is active, press 1 for YES and 0 for NO.
An entry will return the cursor to step 2.
OR
Press Volume buttons to make selection and press Right Soft button to save and return to step 2.
- 4) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
01:MJA01 ACT:OFF  
POR Restart
```

```
64:MNF01 ACT:OFF  
Card Out
```

```
64:MNF01 ACT:ON  
Card Out
```

RELATED ITEMS

MMC 501	SYSTEM TIMERS
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING
MMC 851	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 problems. Stations placed in maintenance busy will behave like a station in DND when called. The calling stations display will show 'MADE BUSY'. 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 cannot originate calls. Ring down type trunks will still ring the programmed destination. Common resource equipment such as DSPs, CID DSPs and miscellaneous equipment such as page ports and 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
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



NOTE

DTMFR/CID/R2MFC DSP

If DTMFR, CID or R2MFC is selected when DSP is not mounted, display will show NONE. If mounted, display will show IDLE by default.

DEFAULT DATA

ALL IDLE

ACTION

- 1) Press Transfer button and enter 853.
Display shows busy functions:

- 2) Enter busy function type(0-8) via dial keypad.
OR
Press Volume button to make selection and press
Right Soft button to move cursor.

- 3) Enter station number.
OR
Press Volume button to make selection and press
Right Soft button to move cursor.

- 4) Press 1 to make busy or 0 to make idle.
OR
Press Volume button to make selection and press
Right Soft button to save and return step 3.

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

DISPLAY

```
MAINTENANCE BUSY
TRK  :NONE→
```

```
MAINTENANCE BUSY
STN  :NONE→
```

```
MAINTENANCE BUSY
STN  :201→IDLE
```

```
MAINTENANCE BUSY
STN  :201→BUSY
```

RELATED ITEMS

MMC 851	ALARM REPORTING
MMC 852	SYSTEM ALARM 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, and DSP, AA DSP tests. Additional tests include CODEC tests on analogue trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the tests and retry during the next programmed diagnostic time. It is recommended to assign the diagnostic time during non-peak traffic periods.

DEFAULT DATA

NO DIAGNOSTIC TIME SET

ACTION

- 1) Press Transfer button and enter 854.
Display shows:
- 2) Enter weekday number.
(0: Sun, 1: Mon, ..., 6: Sat)
OR
Press Volume button to make selection and press Right Soft button to move cursor.
- 3) Enter hour(24-hour clock) via the dial keypad.
Cursor will advance to next entry.
- 4) Enter minutes(24-hour clock) via the dial keypad.
Cursor will return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

DIAGNOSTIC TIME

SUN: :

DIAGNOSTIC TIME

SUN:_ :

DIAGNOSTIC TIME

SUN:23:_

DIAGNOSTIC TIME

SUN:23:30

RELATED ITEMS

MMC 851	ALARM REPORTING
MMC 852	SYSTEM ALARM ASSIGNMENTS
MMC 853	MAINTENANCE BUSY

[856] TECH PROGRAMMING LOGS

This MMC lists the date, time and entry location of the last eight times that technician-level programming was accessed. This allows a technician to determine if there was unauthorized access to system programming and where this access occurred. The information stored in this log is displayed, for each of the eight accesses, as follows: first line shows the start date and time of access; second line shows the access type(see table) and end date and time of access.

There are four access types:

Type	Description
NNNN	The extension number of a phone that accessed programming directly(e.g., 3203)
MODEM	Programming was accessed by PCMMC via the integrated V90 modem attached to the IOM board of the main cabinet.
LAN	Programming was accessed by PCMMC via the LAN connection on the MCP2 card of main cabinet.
SIOx	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.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 856.
Display shows:
- 2) Enter number 1-8 for required access display.
(e.g., 3)
OR
Press Volume button to scroll.
- 3) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
(1) 11/22 11:03→
3203 :11/22 11:27
```

```
(3) 11/22 12:30→
3203 :11/22 13:30
```

RELATED ITEMS

MMC 800

ENABLE TECHNICIAN PROGRAM

[857] VIRTUAL CABINET SET

This MMC is the program that specifies the type of virtual cabinet card. The type of virtual cabinet card is as follows:

Type	Range	Type	Range
SLT	C2S01 ~ C2S03	BRI STN	C4S02 ~ C5S01
DGP	C2S01 ~ C2S03	GCONF STN	C4S02 ~ C5S01
WIRED ITP	C3S01 ~ C4S01	SPNET TRK	C3S02 ~ C5S03
WLAN ITP	C3S01 ~ C4S01	SIP TRK	C5S01 ~ C5S03
SIP STN	C3S01 ~ C4S01	H323 TRK	C5S01 ~ C5S03
IP UMS	-		

DEFAULT DATA

Cabinet	Slot	Card Type	Cabinet	Slot	Card Type
2	1	SLI	3	1	WIRED ITP
	2	DLI		2	WIRED ITP
	3	DLI		3	WIRED ITP
4	1	WLAN ITP	5	1	SPNET TRK
	2	BRI STN		2	SIP TRK
	3	GCONF STN		3	H323 TRK

ACTION

- 1) Press Transfer button and enter 857.
Display shows:
- 2) Enter number 1-3 for cabinet number and enter number 1-12 for slot number.
OR
Press Volume button to scroll.

DISPLAY

C4-S01:SLT
SLT

C4-S01:SLT
SLT

- 3) Press Volume botton to scroll card type and Select card type by pressing Right soft botton.

C4-S01:SLT

DGP

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

RELATED ITEMS

MMC 724 NUMBER PLAB

MMC 822 VIR.EXT TYPE

[859] HARDWARE VERSION DISPLAY

This MMC is used for system hardware EPLD/PCB version display. This is a READ-ONLY MMC.

No	Option	Description
1	MP CARD	Shows the EPLD/PCB version of MCP.
2	C1S1	Shows the EPLD/PCB version of card in cabinet1/slot1.
3	C1S2	Shows the EPLD/PCB version of card in cabinet1/slot2

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 859.
Display shows:
- 2) Enter the option number.
OR
Press Volume button to scroll.
- 3) Press Transfer button to save and exit.
OR
Press Speaker button advance to next MMC.

DISPLAY

```
EPLD/PCB VERSION
MP CARD :V30
```

```
EPLD/PCB VERSION
C1S1 : UNI :V30
```

RELATED ITEMS

NONE

[861] SYSTEM OPTIONS

Sets a number of system options.

DEFAULT DATA

AUTO UPDATE TIME: DISABLE

SYSTEM SPEED BIN: MAX 500

IDLE WHEN ENBLOC: DISABLE

2 LINE ENBLOCK: DISABLE

2 ZONE EXT PAGE: DISABLE

USE LB FOR PAGE: NONE

LP TRK TONE DISC: DISABLE

ISDN SS FEATURE: DISABLE

SPNET OVERLAP: DISABLE

SPNET CLI TABLE: NONE

E-LCR CLI TABLE: NONE

EXTERNAL BGM/MOH: INT.CHIME

No	Option	Description
1	AUTO UPDATE TIME	Sets enable(1) or disable(0) the system automatically time and date update from 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.
2	SYSTEM SPPED BIN	Sets max 500(0) or max 950(1) for the maximum number of system speed dial bin.
3	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.
4	2 LINE ENBLOCK	Decides the usage of ENBLOCK mode for 2 line LCD Phone with navigation buttons.
7	LP TRK TONE DISC	When this option is set to ON, loop trunk can be disconnected by detecting busy tone.
8	ISDN SS FEATURE	Decides whether ISDN SS(Supplement Service) is used or not.
9	SPNET OVERLAP	To assign other dial tone, OVERLAP by spnet function can be enable.
10	SPNET CLI TABLE	If network call and this option is set, CLI have to be applied by CLI TABLE.
11	E-LCR CLI TABLE	If E-LCR call and this option is set, CLI have to be applied by CLI TABLE.
12	EXTERNAL BGM/MOH	Backgroud music source can be use internal source or external source, In case of external source, music source can be supported in MISC port.

ACTION

- 1) Press Transfer button and enter 861.

Display shows:

- 2) Enter the option number.

OR

Press Volume button to select and press

Right Soft button to move cursor.

DISPLAY

AUTO UPDATE TIME

DISABLE

AUTO UPDATE TIME

DISABLE

- 3) Enter 1 or 0 to enable or disable.
OR
Press Volume button to select and press
Right Soft button to store.

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

AUTO UPDATE TIME
ENABLE

RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 505	ASSIGN DATE AND TIME
MMC 606	ASSIGN SPEED DIAL BLOCK
MMC 705	SYSTEM SPEED DIAL
MMC 706	SYSTEM SPEED DIAL BY NAME
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING

[863] NODE INFO

This MMC allows 1000 systems to be connected by u spnet service.

No	Option	Description
1	ACCESS NUM	Sets the system node ID
2	IP ADDR	Sets the system IP address
3	TEL NUMBER	Sets the system CO tel number
4	MAX COUNT	Sets this value to support ENBLOCK DIAL MODE.

CONDITIONS

NONE

ACTION

- 1) Press Transfer button and enter 863.
Display shows:
- 2) Select the entry number.(0001 ~ 2000)
OR
Press Volume button to select and press
Right Soft button to move cursor.
- 3) Select the option number.(0~3)
OR
Press Volume button to select and press
Right Soft button to move cursor.
(e.g ACCESS NUM)
- 4) Enter the system node ID

Right Soft button to save.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

(0001) ACCESS NUM

(0001) ACCESS NUM

(0001) ACCESS NUM

(0001) ACCESS NUM

-

RELATED ITEMS

NONE

[890] INITIALIZE PORT

This MMC clears a call process or initializes the database for specific station or trunks.
This will return the port to default condition.

DEFAULT DATA

NONE

ACTION

- 1) Press Transfer button and enter 890.
Display shows:
- 2) Enter the station or Trunk line.
OR
Press Volume button to make selection and press the Right Soft button to move cursor.
- 3) Enter 0 to call clear only or 1 to initialize port.
OR
Press Volume button to make selection and press the Right Soft button to move cursor.
- 4) Enter 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press the Right Soft button to save and return to step 2.
- 5) Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

DISPLAY

```
[ 201 ] CALL CLEAR  
ARE YOU SURE?NO
```

```
[ 202 ] CALL CLEAR  
ARE YOU SURE?NO
```

```
[ 202 ] DB INITIAL  
ARE YOU SURE?NO
```

```
[ 202 ] DB INITIAL  
ARE YOU SURE?YES
```

RELATED ITEMS

NONE

ABBREVIATION

A

AAA	Authentication, Authorization and Accounting
AC	Alternating Current
ACD	Automatic Call Distribution
ALG	Application Level Gateway
AME	Answering Machine Emulation
AMI	Alternate Mark Inversion
AOM	Add On Module
AP	Access Point

B

BGM	Background Music
BRI	Basic Rate Interface
BWBS	Basic Wireless Base Station(Access Point)

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
CWBS	Combo Wireless Base Station(Access Point)

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&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	Keypad Daughterboard
-----	----------------------

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
PCB Printed Circuit Board
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-Signalling
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 Signalling Gateway
SGCP Simple Gateway Control Protocol
SIGTRAN Signalling 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	Signalling 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 7100 Call Server Programming Guide

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