GABD-000264
Ed. 02

OfficeServ 7000 Series Call Server

Programming Manual

SAMSUNG ELECTRONICS

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INTRODUCTION

Purpose

This manual describes a programming method for the OfficeServ 7000 Series system users. OfficeServ 7000 Series 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 manual describes how to program a digital phone.

Audience

This manual is intended for users who program the MMC of the OfficeServ 7000 Series system.

Document Content and Organization

This manual 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.

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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.
- '**`Bold Courier New`**' font will indicate the value entered by the operator on the console screen.

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Reference Manuals

The following guides are also provided with your OfficeServ 7000 Series system.

OfficeServ 7000 Series Installation Guide

Describes the installation procedures and specifications for the OfficeServ 7000 Series system.

OfficeServ 7000 Series General Description

Describes the business features available with the OfficeServ 7000 Series 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 7000 Series system.

Revision History

EDITION	DATE OF ISSUE	REMARKS
00	12. 2008.	First Edition
01	05. 2009	Modified 26 MMCs
02	09.2009	Modified 9 MMCs(7200 MP20S info.)

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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

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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], [812] and [816]

MMC [506], [510], [807], [812] and [816] 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 7000 Series 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 ~ O III
P ~ S IV
T ~ X V

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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.

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.

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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

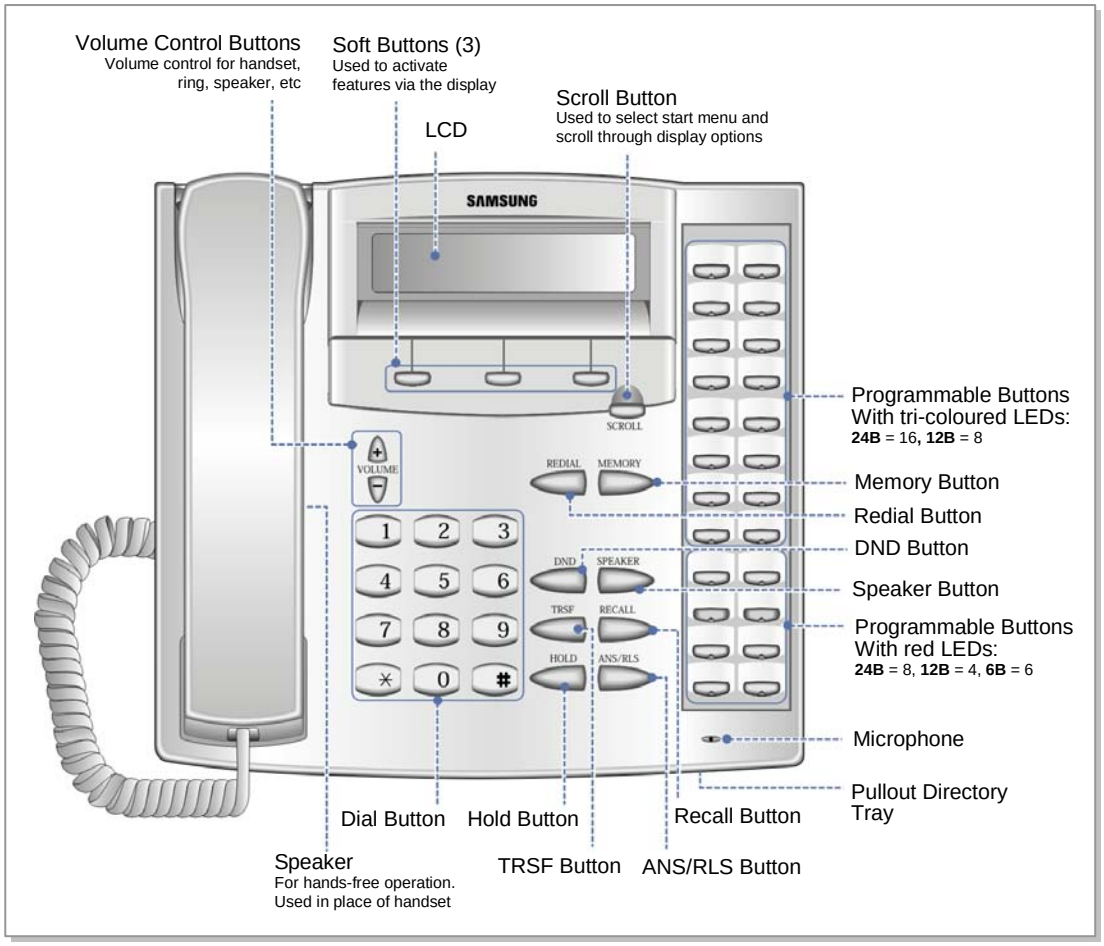

Figure 1.1 24B LCD DCS Euro Phone

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.

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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.
- TRSF(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.

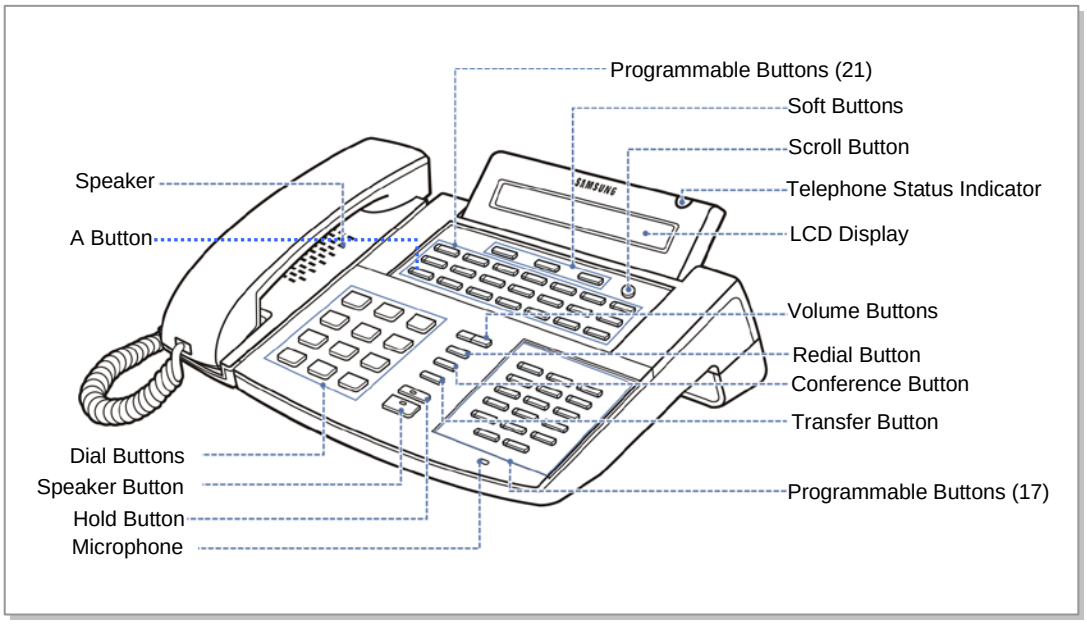

Figure 1.2 DS-5038S Phone

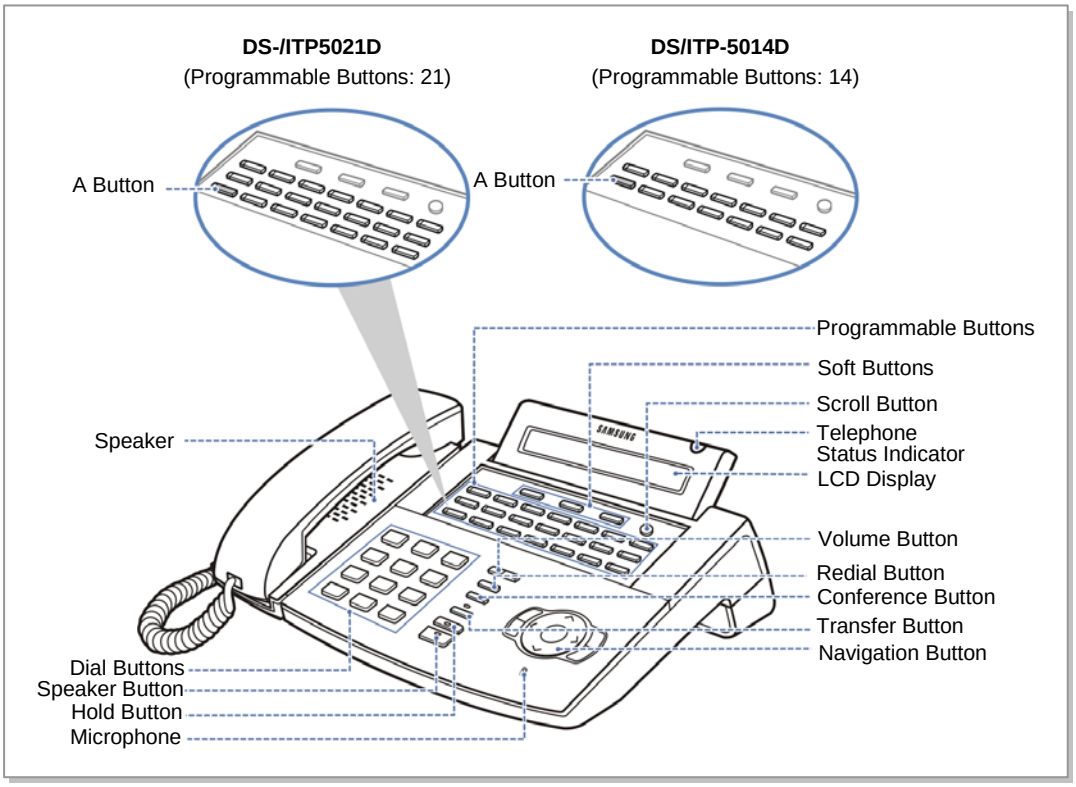

Figure 1.3 DS/ITP-5014D/5021D Phone

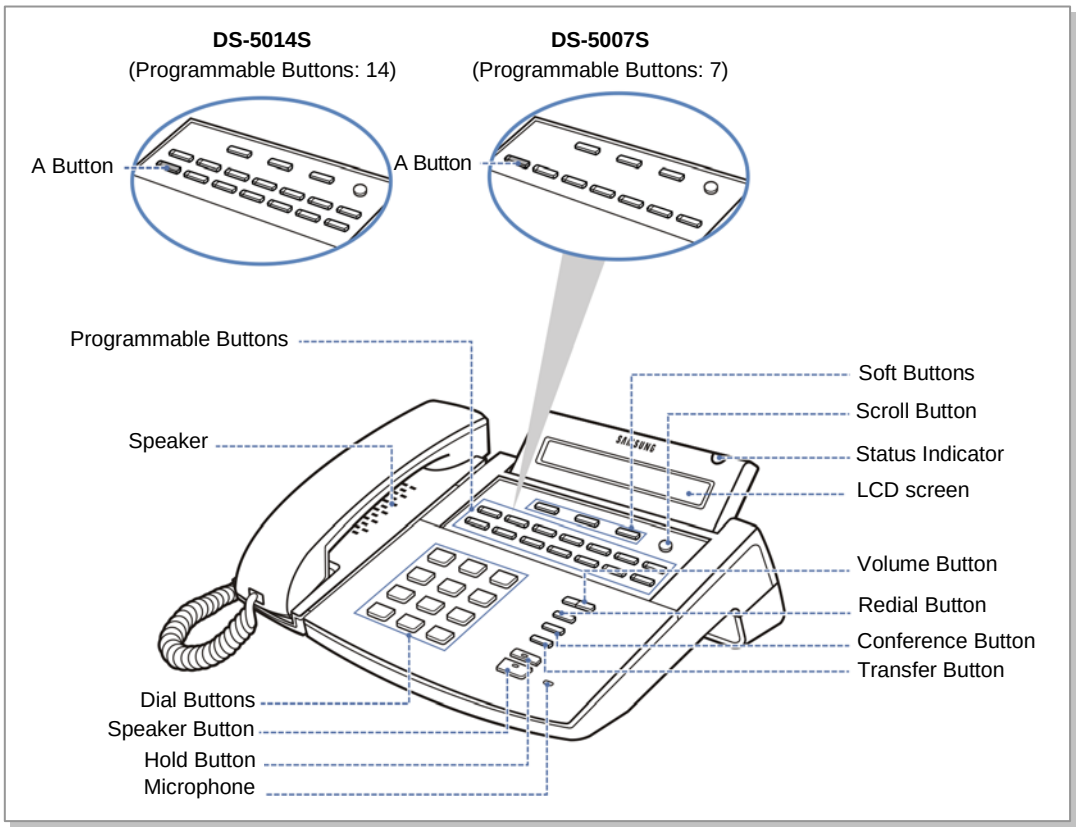

Figure 1.4 DS-5014S/5007S Phone

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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.

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.

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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: 126	MOBEX NUMBER
MMC: 199	SHOW LICENSE

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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	AUDIO PROMPT
MMC: 225	IP-UMS/IVR SERVICE

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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: 324	SLI2 GAIN
MMC: 326	RBT MESSAGE
MMC: 327	MULTI MEDIA SERVICE
MMC: 328	MOBEX INFO
MMC: 329	RING GROUP
MMC: 330	EMERGENCY LOCAL ROUTING

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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: 411	ASSIGN E1 SIGNAL TYPE
MMC: 412	ASSIGN TRUNK SIGNAL
MMC: 413	VMS CALL TYPE
MMC: 414	MPD/PRS SIGNAL
MMC: 415	REPORT TRUNK ABANDON DATA
MMC: 416	ASSIGN E&M/DID RINGDOWN
MMC: 417	E1/PRI CRC4 OPTION
MMC: 418	BRI AND PRI CARD RESTART
MMC: 419	BRI OPTIONS
MMC: 420	PRI OPTIONS
MMC: 421	MSN DIGIT
MMC: 422	TRUNK COS
MMC: 423	S/T MODE
MMC: 424	BRI S0 MAPPING
MMC: 425	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
MMC: 437	16 TRUNK GAIN

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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

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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
MMC: 614	STATION/TRUNK USE GROUP
MMC: 615	MGI GROUP
MMC: 616	MGI USER

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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
MMC: 726	VM/AA OPTIONS
MMC: 727	SYSTEM VERSION DISPLAY
MMC: 728	CID TRANSLATION TABLE
MMC: 730	AA RECORD GAIN
MMC: 731	AA MESSAGE
MMC: 732	AA TRANSLATION TABLE

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

MMC No.	MMC Name
MMC: 733	AA PLAN TABLE
MMC: 735	AA USE TABLE
MMC: 736	AA MESSAGE MATCH
MMC: 739	ASSIGN AA MOH
MMC: 740	STATION PAIR
MMC: 746	COSTING DIAL PLAN
MMC: 747	RATE CALCULATION TABLE
MMC: 748	COSTING DIAL PLAN
MMC: 749	RATE CALCULATION TABLE
MMC: 750	SVM SYSTEM
MMC: 751	USER OPTIONS
MMC: 752	AUTO RECORD
MMC: 753	WARNING DESTINATION
MMC: 754	VM HALT
MMC: 755	VM ALARM
MMC: 756	ASSIGN VMMOH
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
MMC: 764	DISA PASSWORD

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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: 803	ASSIGN TENANT GROUP
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: 816	CONFERENCE GAIN
MMC: 817	STOP MEMORY
MMC: 818	PROGRAM DOWNLOAD
MMC: 819	MEDIA CARD 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: 827	CRM DSP MODE SELECT
MMC: 828	RCM2 DSP MODE SELECT
MMC: 829	LAN PRINTER PARAMETERS
MMC: 830	LAN PARAMETERS
MMC: 831	MGI PARAMETERS
MMC: 832	VoIP ACCESS CODE
MMC: 833	VoIP IP TABLE
MMC: 834	H.323 OPTIONS

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Table 1.8 Technician Level Programming list (Continued)

MMC No.	MMC Name
MMC: 835	MGI DSP OPTIONS
MMC: 836	H.323 GK OPTIONS
MMC: 837	SIP OPTIONS
MMC: 838	PRIVATE IP ADDRESSES
MMC: 839	SIP USER
MMC: 840	IP PHONE INFORMATION
MMC: 841	SYSTEM IP OPTIONS
MMC: 842	SIP STATION INFORMATION
MMC: 843	MPS OPTIONS
MMC: 844	UC IP PHONE INFORMATION
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: 855	DISPLAY SYSTEM OPTIONS
MMC: 856	TECH PROGRAMMING LOGS
MMC: 857	VIRTUAL CABINET SET
MMC: 858	OAS CARD SERVICE
MMC: 859	HARDWARE VERSION DISPLAY
MMC: 860	LICENSE
MMC: 861	SYSTEM OPTIONS
MMC: 863	SYSTEM NODE INFORMATION
MMC: 865	FAN POWER CONTROL
MMC: 867	IRM DSP MODE SELECT
MMC: 868	REMOTE STATION
MMC: 889	DISPLAY SERVER STATUS
MMC: 890	INITIALIZE PORT

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1.5 Program List by Function

This section describes MMC programs are classified by the function of the OfficeServ 7000 Series.

1.5.1 Phone Function

The MMC programs related to the function of a phone that is connected with the OfficeServ 7000 Series are as follows:

Table 1.9 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

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1.5.2 Networking Function

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

Table 1.10 Networking Function Programming list

MMC Program No.	Program Description
MMC: 820	ASSIGN SYSTEM LINK ID
MMC: 821	ASSIGN NETWORK TRUNK
MMC: 823	ASSIGN NETWORK COS
MMC: 824	NETWORK DIAL TRANSLATION
MMC: 825	ASSIGN NETWORKING OPTIONS
MMC: 830	LAN PARAMETERS
MMC: 861	SYSTEM OPTIONS

1.5.3 VoIP Function

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

Table 1.11 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
MMC: 835	MGI DSP OPTIONS
MMC: 836	H.323 GK OPTIONS
MMC: 837	SIP OPTIONS
MMC: 838	PRIVATE IP ADDRESSES
MMC: 839	SIP USER
MMC: 843	MPS OPTIONS
MMC: 861	SYSTEM OPTIONS

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1.5.4 WLAN Function

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

Table 1.12 WLAN Function Programming list

MMC Program No.	Program Description
MMC: 845	WLAN PARAMETERS
MMC: 846	WIP INFORMATION
MMC: 848	WLAN IP/MAC LIST
MMC: 849	WLAN CONFIGURATION

1.5.5 LCR Function

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

Table 1.13 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

1.5.6 Auto Attendant/Voice Mail Function

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

Table 1.14 Auto Attendant/Voice Mail Function Programming list

MMC Program No.	Program Description
MMC: 730	AA RECORD GAIN
MMC: 731	AA MESSAGE
MMC: 732	AA TRANSLATION TABLE
MMC: 733	AA PLAN TABLE
MMC: 735	AA USE TABLE
MMC: 736	AA MESSAGE MATCH
MMC: 739	ASSIGN AA MOH
MMC: 750	SVM SYSTEM
MMC: 751	USER OPTIONS

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Table 1.14 Auto Attendant/Voice Mail Function Programming list (Continued)

MMC Program No.	Program Description
MMC: 752	AUTO RECORD
MMC: 753	WARNING DESTINATION
MMC: 754	VM HALT
MMC: 755	VM ALARM
MMC: 756	ASSIGN VMMOH
MMC: 757	VM IN/OUT
MMC: 758	VM DAY/NIGHT

1.5.7 Diagnosis Function

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

Table 1.15 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: 855	DISPLAY SYSTEM OPTIONS (This MMC is not shown in OfficeServ 7100/7030/7070).
MMC: 890	INITIALIZE PORT

1.5.8 Hotel Function

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

Table 1.16 Hotel Function Programming list

MMC Program No.	Program Description
MMC: 221	EXTENSION TYPE
MMC: 222	FAX PAIR
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

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CHAPTER 2. MMC Programming

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

2.1 Overview of Programming Procedure

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

The programming order is as follows:

1) Make the programmable state.
   - Press the Transfer button at pause.
   - Enter the program number, either 200 or 800.
   - Enter either the operator passcode or the technician passcode.
   - Press 1 dial button to 'enable' the programming mode.
   - In case of Program 800 Technician Program Mode Setting, enter the tenant number to be programmed.
2) Make the program number selectable state.
   If the Speaker button is pressed, the program selection mode appears.
   Or, if the Transfer button is pressed, the programming state ends and the pause state begin.
3) Select a program.
   Enter the program number.
   Or, select the program number with the Volume button and press the Speaker button.
   Or, Press Transfer button in a pause state and enter the program number.
4) Start programming the corresponding program.

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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

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ACTION	DISPLAY
1) Press Transfer button and enter 100. Display shows:	[201] STN LOCK UNLOCKED
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.	[205] STN LOCK UNLOCKED [ALL] STN LOCK ?
3) Enter 0 to unlock or 1 to lock. (e.g., 1) OR Press Volume button to make selection and press Right Soft button to return to step 2.	[205] STN LOCK LOCKED OUT
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

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

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[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.

Default passcode

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

DEFAULT DATA

ALL STATION PASSCODES: 1234

ACTION	DISPLAY
1) Press Transfer button and enter 101. Display shows:	[201] PASSCODE PASSCODE:****
2) Dial phone number. (e.g., 205) OR Use Volume button to scroll through phone numbers and press Right Soft button to move the cursor right.	[205] PASSCODE PASSCODE:****
3) Press Hold button to reset passcode.	[205] PASSCODE PASSCODE:1234
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 100 STATION LOCK

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[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	FWD ALL
2	BUSY
3	NO ANS
4	BUSY/NO ANSWER
5	FWD DND

CONDITIONS

- When ‘BUSY/NO ANSWER’ is selected, calls are forwarded to stations set in ‘BUSY’ and ‘NO ANS’. Thus, a destination number must be set for both ‘BUSY’ and ‘NO ANS’ before you can select the ‘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

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ACTION	DISPLAY
1) Press Transfer button and enter 102. Display shows:	[201] FORWARD 0:FORWARD CANCEL
2) Dial station number. (e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] FORWARD 0:FORWARD CANCEL
3) Dial 0-5 to select forward type. OR Press Volume button to select forward type (e.g., 1) and press Right Soft button to move cursor.	[205] FORWARD 1:FWD ALL:NONE
4) Dial destination number. (e.g., 201) OR Press Volume button to select destination and press Right Soft button to move cursor.	[205] FORWARD 1:FWD ALL:201
5) Dial 1 for YES, 0 for NO. OR Press Volume button to select YES or NO and press Right Soft button to return to step 2.	[205] FORWARD CURRENTLY SET:YES
6) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

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

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[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.

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	DISPLAY
1) Press Transfer button and enter 103. Display shows:	[201] ANS MODE RING MODE
2) Dial phone number. (e.g., 205) OR Press Volume button to select phone and press Right Soft button to move cursor. OR Select all phones.	[205] ANS MODE RING MODE [ALL] ANS MODE ?
3) Dial 0, 1 or 2 to change ring mode. OR Press Volume button to select ring mode and press Right Soft button to return to step 2 above.	[205] ANS MODE VOICE ANNOUNCE
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 111	PHONE RING TONE

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[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

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ACTION	DISPLAY
1) Press Transfer button and enter 104. Display shows:	[201] STN NAME
2) Dial station number. (e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] STN NAME _
3) Enter the station name using the procedure described above and press Right Soft button to return to step 2.	[205] STN NAME SAM SMITH
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

NONE

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[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 dialed. These dial digits may consist of 0~9, * and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

DEFAULT DATA

NONE

PROGRAM BUTTONS

B	Used to insert a flash code 'F'
C	Used to insert a pause code 'P'
D	Used to insert a pulse/tone conversion code 'C'
E	Used to mask/unmask following digits (shows as '['or ']')
F	Used to enter name for speed dial bin (see MMC 106)

ACTION	DISPLAY
1) Press Transfer button and enter 105. Display shows:	[201] SPEED DIAL 00:
2) Dial station number. (e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] SPEED DIAL 00:
If selected station has no speed dial bins, the display will be as shown and a new station may be selected.	[205] SPEED DIAL SPDBLK NOT EXIST
3) Dial location number. (e.g., 05) OR Press Volume button to select location and press Right Soft button to move cursor.	[205] SPEED DIAL 05:_

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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.

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

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.

RELATED ITEMS

MMC 106	STATION SPEED DIAL NAME
MMC 606	ASSIGN SPEED BLOCK

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

RELATED ITEMS

MMC 105	STATION SPEED DIAL
MMC 606	ASSIGN SPEED BLOCK

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[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
BOOK	Booking function number	0-49
BOSS	Boss and Secretary	1-4
CC	Multi-Ring service by extension number and call pick up button	(CALL COVERAGE) (Extension number)
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
EP	Established Call Pick Up	(ESTABLISHED CALLPICK UP)
FWRD	Call Forward	0-7
GPIK	Group Pickup	01-99
IG	In/Out of Group	Station group number
MGC	MCS Predefined Conference	001-999 (MCS Group Number)
MACR	Assign MACRO function	0-49
MMPG	Meet Me Page	0-9, *
MS	Manual Signaling	Extension or station group number
MW	Message Waiting	Extension or station group number
NIGHT	Night Group Number	0-9, *
NPG	Networking Paging Area Number	Networking node number + Paging area number (0-9, *)
NS	Networking Extension Number	Networking extension 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
TCLIP	Temporary CLIP table number	1-4

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(Continued)

Key	Feature	Extender
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
```

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

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[108] STATION STATUS

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

No	Status	Description
0	PORT NO	Cabinet (1-3)/Slot (1-9)/Port (1-16)
1	TYPE	Phone Type
2	PICKUP GROUP	None, 01-99
3	SGR	Station Group Number
4	BOSS-SECR	None, 1-4
5	PAGE	None, Page Zone (0-4, *)
6	COS 1, COS 2	Service level of ring mode 1 and 2
7	COS 3, COS 4	Service level of ring mode 3 and 4
8	COS 5, COS 6	Service level of ring mode 5 and 6
9	TENANT GROUP	Tenant Group Number (1 or 2)

DEFAULT DATA

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

ACTION

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

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

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

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

3) Dial 0~9 to select station status type.
   OR
   Press Volume button to select status and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

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

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[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
```

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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

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[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.
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.
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.

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(Continued)

No	Feature	Default	Description
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 en-block dialing 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.
18	FEATURE TONE	OFF	When the extension is set as 'ON' and a subscriber sets the extension function, a tone (message tone) different from dial tone will be heard. The relevant functions are DND, All Forward, Busy Forward, No Answer Forward, Follow Me and Station Lock functions.
19	RCV GPU INFO	OFF	When ON, the extensions will receive the information of PING RING. This function can operate in case PING RING SERVICE is enabled in MMC861.
20	MISSED CALL	OFF	When ON, the information of the missed calls will be displayed on extensions. The missed call means that the ringing call is not answered. The information of the missed calls includes the below - The call which was not answered. - In case the call which was occurred by group call was not answered. - In case the call by group call was overflowed to the other extension. - The call which was forwarded because of setting NO ANSWER FORWARD - The call which was picked up by other extensions In case of Call Waiting, it is not included.
21	NO DISP TRK#	OFF	This feature selects whether the trunk number is displayed or not for the duration of the call. When ON, incoming or outgoing number without trunk number will be displayed. If there is no incoming/outgoing number to be displayed, only trunk number will be shown.
22	USE STN RING	OFF	When ON, the IP phone will be use self ring melody, otherwise the IP phone will be use system ring melody.

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS DEPEND ON COUNTRY

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ACTION

DISPLAY

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

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

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.

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

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.

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

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.

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

RELATED ITEMS

MMC 301	ASSIGN STATION COS
MMC 701	ASSIGN COS CONTENTS

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[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

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[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

DISPLAY

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

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

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

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

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

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

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

```
[205] ALM CLK (1)
HHMM:1300→NOTSET
```

5) Dial entry from above list for alarm type. (e.g., 2)
   OR
   Press Volume button to select alarm type and press Right Soft button to move cursor and return to step 2.

```
[205] ALM CLK (1)
HHMM:1300→DAILY
```

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

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RELATED ITEMS

MMC 116 ALARM AND MESSAGE

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[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	DISPLAY
1) Press Transfer button and enter 113. Display shows:	[201] VIEW MEMO 1:
2) Dial the keyset number. (e.g., 205) OR Press VOLUME keys to select station and press RIGHT soft key to move cursor.	[205] VIEW MEMO 1:
3) Dial memo number. (1–3) OR Press VOLUME keys to select and press RIGHT soft key to move cursor.	[205] VIEW MEMO 1:_
4) Enter memo via dial keypad.	[205] VIEW MEMO 1:CALL TOM
5) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

NONE

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[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. In case of WIP phone, this option is not available.
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. In case of WIP phone, this option is not available.
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. In case of WIP phone, There are 14 volume levels: level 1 is the lowest and level 14 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. In case of WIP phone, There are 5 volume levels: level 1 is the lowest and level 5 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. In case of WIP phone, this option is not available.
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. In case of WIP phone, this option is not available.
6	HEADSET VOL	This is the receive volume setting for conversations on the headset. There are 16 volume levels: level 1 is the lowest and level 14 the highest. If station is not WIP, this option is not available.

DEFAULT DATA

RING VOLUME: 4
OFF-HOOK RING VOLUME: 4
HANDSET VOLUME: 4 (In case of WIP, 6)
SPEAKER VOLUME: 13 (In case of WIP, 4)
BGM VOLUME: 13
PAGE VOLUME: 13
HEADSET VOL: 6

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ACTION	DISPLAY
1) Press Transfer button and enter 114. Display shows:	[201] STN VOLUME RING VOLUME:4
2) Dial phone number. (e.g., 205)	[205] STN VOLUME RING VOLUME:4
3) Dial volume type. (e.g., 3) OR Press Volume button to select volume type and press RIGHT soft key to move cursor.	[205] STN VOLUME SPEAKER VOL:13
4) Press Volume button to select volume. (You will hear a brief tone for the volume you select.)	[205] STN VOLUME SPEAKER VOL:08
5) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 111 PHONE RING TONE

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[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 messages 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:

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

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

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

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

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.

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

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

RELATED ITEMS

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

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[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:

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

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

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

   OR
   Select all stations.

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

3) Dial 1~3 to select alarm. (e.g., 2)
   OR
   Press Volume button to select alarm and press Right Soft button to move cursor.

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

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

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

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5) Dial valid entry from above list for alarm type.
(e.g., 2)
OR
Press Volume button to select alarm type and press Right Soft button to move cursor.

```
[205] ALM REM
HHMM:1300→DAILY
```

6) Enter 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

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[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:

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

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

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

3) Dial 01~10 to select message.
   OR
   Press Volume button to select message and press Right Soft button to move cursor.

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

4) Enter message and press Right Soft button to return to step 3.

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

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

RELATED ITEMS

MMC 611	ALLOW TEXT MESSAGING

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[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	DISPLAY
1) Press Transfer button and enter 118. Display shows:	[201] GRP (1)NAME
2) Dial station number. (e.g., 205) OR Press Volume button to select station and press Right Soft button to move cursor.	[205] GRP (1)NAME
3) Dial 1~5 to select group. OR Press Volume button to select group and press Right Soft button to move cursor.	[205] GRP (1)NAME
4) Dial 0 to select name or dial 1~4 to select member. OR Press Volume button to select name or member and press Right Soft button to move cursor. OR Press Left Soft button to return to step 3.	[205] GRP (1)MBR1 NONE

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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 (Command Line Interface), DDI can be selected to either show the name, number first, or no display depending on the type of call. Caller ID or CLI, DDI displays have the following options:

No	Type		Description
0	RING LINE1	When incoming call is ringing, the specific information is displayed in the upper line of the phone display.	
		NO DISPLAY	Display trunk number only. And any information will not be displayed in the lower line of the phone display.
		CLI NUMBER FIRST	According to priority, it displays CLI number or CLI name or trunk number. If the former is not valid, the latter has a priority.
		CLI NAME FIRST	According to priority, it displays CLI name or CLI number or trunk number. If the former is not valid, the latter has a priority.
		DDI NUMBER FIRST	According to priority, it displays DDI number or DDI name. If the former is not valid, the latter has a priority. If both are invalid, it operates as a CLI NAME FIRST.
		DDI NAME FIRST	According to priority, it displays DDI name or DDI number. If the former is not valid, the latter has a priority. If both are invalid, it operates as a CLI NAME FIRST.
		GROUP NAME FIRST	In case of group call, it displays ‘Call <group name>’ or ‘Call For 5000’. If not group call, it operates as a CLI NAME FIRST.
		DDI NUMBER/NAME	It displays ‘DDI NUMBER/DDI NAME’. It only supports up to 16 characters. If both are invalid, it operates as a CLI NAME FIRST.
		DDI NAME/NUMBER	It displays ‘DDI NAME/DDI NUMBER’. It only supports up to 16 characters. If both are invalid, it operates as a CLI NAME FIRST.
1	RING LINE2	When incoming call is ringing, the specific information is displayed in the lower line of the phone display. RING LINE2 has the same options as RING LINE1	

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(Continued)

No	Type		Description
2	CONV INCOM	When incoming call is answered, the specific information is displayed in the upper line of the phone display.	
		CLI NUMBER FIRST	According to priority, it displays CLI number or CLI name or trunk number. If the former is not valid, the latter has a priority.
		CLI NAME FIRST	According to priority, it displays CLI name or CLI number or trunk number. If the former is not valid, the latter has a priority.
		DDI NUMBER FIRST	According to priority, it displays DDI number or DDI name. If the former is not valid, the latter has a priority. If both are invalid, it operates as a CLI NAME FIRST.
		DDI NAME FIRST	According to priority, it displays DDI name or DDI number. If the former is not valid, the latter has a priority. If both are invalid, it operates as a CLI NAME FIRST.
		CLI NUMBER/DDI	It displays ‘CLI NUMBER/DDI NUMBER’. It supports up to 16 characters. If both are invalid, it displays trunk number.
		CLI NAME/DDI	It displays ‘CLI NAME/DDI NUMBER’. It supports up to 16 characters. If both are invalid, it displays trunk number.
		DDI NUMBER/NAME	It displays ‘DDI NUMBER/ DDI NAME’. It only supports up to 16 characters. If both are invalid, it operates as a CLI NAME FIRST.
		DDI NAME/NUMBER	It displays ‘DDI NAME/DDI NUMBER’. It only supports up to 16 characters. If both are invalid, it operates as a CLI NAME FIRST.
		TRUNK NUMBER	Display trunk number only.
3	TRUNK DISP	When call is answered, trunk number can be displayed or not.	
		TRUNK:DIGIT	In case of trunk call, it display ‘<trunk number>: <digit>’.
		DIGIT ONLY	In case of trunk call, if it includes the incoming information that should be displayed, trunk number is not displayed.
4	TIME/COST	When call is answered, duration time or cost can be displayed or not.	
		NO DISPLAY	It does not show any information in the upper right corner of the phone display.
		TIME DISPLAY	It shows duration time in the upper right corner of the phone display.
		COST DISPLAY	The cost of the call in progress will show In the upper right corner of the phone display.

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- The duplicated data in the upper line and lower line will be skipped in the lower line.
- In case of TRANSFER/FORWARD/RECALL call, 'TRSF/FWRD/RECL From xxxx' will be displayed in the lower line of the phone display.

DEFAULT DATA

RING LINE1: CLI NAME FIRST
RING LINE2: GROUP NAME FIRST
CONV INCOM: CLI NAME FIRST
TRUNK DISP: TRUNK:DIGIT
TIME/COST: TIME DISPLAY

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] RING LINE1CLI NAME
FIRST
```

```
[205] RING LINE1
CLI NAME FIRST
```

```
[ALL] RING LINE1
CLI NAME FIRST
```

```
[205] RING LINE1
CLI NUMBER FIRST
```

RELATED ITEMS

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

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[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, PREV POSITION)
6	VIDEO MODE	Sets the image start mode of a VIDEO IP phone. In AUTO START, the image screen is displayed automatically when a call is connected to a Video IP phone. In MANUAL Start, the VIDEO button of a VIDEO IP phone is used for the selection of image display. (AUTO START / MANUAL START) This option only supports VIDEO IP phones.
7	RING VIDEO	Determines whether to display an image or not while ringing after a call is connected to a VIDEO IP phone (DISABLE/ENABLE). This option only supports VIDEO IP phones.

DEFAULT DATA

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

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ACTION	DISPLAY
1) Press Transfer button and enter 120. Display shows:	[201] IDLE DISP CALENDER
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.	[203] IDLE DISP CALENDER [ALL] IDLE DISP CALENDER
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.	[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.	[203] DS KEY DSP TEL NUMBER

RELATED ITEMS

MMC 719 IDLE DISPLAY

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[121] PHONE LANGUAGE

Allows the system administrator to assign an LCD display based on the user's own language.

No	Language	No	Language
00	ENGLISH	07	SPANISH
01	GERMAN	08	SWEDISH
02	PORTUGAL	09	SPANISH/USA
03	NORSK	10	FRENCH/CANADA
04	DANISH	11	FINISH
05	DUTCH	-	-
06	ITALY	-	-

DEFAULT DATA

ENGLISH

ACTION

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

   DISPLAY: `[201] LANGUAGE ENGLISH`

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

   DISPLAY: `[205] LANGUAGE ENGLISH`

   OR
   Select all stations.

   DISPLAY: `[ALL] LANGUAGE ?`

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

   DISPLAY: `[205] LANGUAGE GERMAN`

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

RELATED ITEMS

NONE

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[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:

   DISPLAY:
   ```
   [201] CALL SPEED
   03→
   ```

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

   DISPLAY:
   ```
   [205] CALL SPEED
   03→
   ```

3) Dial speed option. (03~10)

   DISPLAY:
   ```
   [205] CALL SPEED
   03→04
   ```

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

RELATED ITEMS

NONE

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[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:

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

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

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

3) Dial 0~3 to select option. (see the table above).
   OR
   Press Volume button to make selection and press Right Soft button.

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

4) Dial 0~9 to select state. (e.g., IN A MEETING)
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

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RELATED ITEMS

NONE

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[126] MOBEX NUMBER

This MMC allows that if extension couple with MOBEX (Mobile Extension) station, user can set or change corresponding MOBEX number, CLI number, and Deactivation/Activation per MOBEX station.

No	Option	Description
0	TEL	MOBEX number
1	CLI	CLI number of MOBEX phone
2	DEACT	Select Deactivation or activation of MOBEX station.

CONDITIONS

In order to configure this MMC, first, the extension should pair with MOBEX station through MMC 329 Ring Group.

ACTION

1) Press Transfer button and enter 126.
   Display shows:

```
[2001] MBR 1: 3333
TEL:
```

2) Input extension number.
   OR
   Press Volume button to select station and press Right Soft button to move cursor.

```
[2001] MBR 1: 3333
TEL:
```

3) Input member number of ring group programmed in MMC 329
   OR
   Press Volume button to make selection and press Right Soft button.

```
[2001] MBR 1: 3333
TEL:
```

4) Input MOBEX number and press Right Soft button.

```
[2001] MBR 1: 3333
TEL:9-031279
```

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

RELATED ITEMS

MMC 328	MOBEX INFO
MMC 329	RING GROUP
MMC 724	DIAL NUMBERING PLAN

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[199] SHOW LICENSE

This read-only MMC will confirm the admission status of MGI (Media Gate Interface), VM (Voice Mail), AA (Auto Attendant), Soft phone, SIP (Simple Internet Protocol) phone, MOBEX that can be limited as license key.

No	Option	Description
0	MGI LICENSE STS	Maximum Number of available MGI Channels. This number can be set up to 8. (This option may not be available in certain OfficeServ models)
1	VMS LICENSE STS	Maximum Number of available VMS Channels. This number can be set up to 6. (This option may not be available in certain OfficeServ models)
2	AA LICENSE STS	Maximum number of available AA channel. This number can be set up to 4. (This option may not be available in certain OfficeServ models.)
3	SOFT LICENSE STS	Maximum number and resisted number of SOFT Phone. If License Key is not inputted or invalid, Display show 'INVAILD LICENSE'
4	SIP LICENSE STS	Maximum number and resisted number of Samsung standard SIP Station. Samsung standard SIP Station means standard SIP Station produced by Samsung. If License Key is not inputted or invalid, Display show 'INVAILD LICENSE'
5	3RDSIP LICENSE	Maximum number and resisted number of Non-Samsung standard SIP Station. Non-Samsung standard SIP Station means standard SIP Station not produced by Samsung. License rates of Samsung standard SIP Station and Non-Samsung standard SIP Station are different. If License Key is not inputted or invalid, Display show 'INVAILD LICENSE'
7	MOBEX EXECUTIVE	Maximum number of the extension can use supplementary function among extension for MOBEX function.

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ACTION

1) Press Transfer button and enter 199.
   Display shows:

2) Press Volume button.
   Display show admission status:

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

DISPLAY

```
MGI LICENSE STS
MAX:008
```

```
VMS LICENSE STS
MAX:004
```

RELATED ITEMS

NONE

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[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:

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

2) Enter passcode.

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

   Correct code shows.

   DISPLAY:
   ```
   ENABLE CUS.PROG.
   DISABLE
   ```

   Incorrect code shows.

   DISPLAY:
   ```
   ENABLE CUS.PROG.
   PASSCODE ERROR
   ```

3) Press Volume button arrow key to select ENABLE or DISABLE and press Right Soft button.
   OR
   Dial 1 for ENABLE or 0 for DISABLE.

   DISPLAY:
   ```
   ENABLE CUS.PROG.
   ENABLE
   ```

4) Press Speaker button to advance MMC entry level and press Volume button to select MMC.
   OR
   Enter MMC number and press Right Soft button to enter MMC.

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

5) Press Transfer button to exit.

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RELATED ITEMS

MMC 201	CHANGE CUSTOMER PASSCODE
MMC 501	SYSTEM-WIDE TIMERS
MMC 802	CUSTOMER ACCESS MMC NUMBER

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[201] CHANGE CUSTOMER PASSCODE

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

CONDITIONS

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

DEFAULT DATA

PASSCODE: 1234

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

RELATED ITEMS

MMC 200	OPEN CUSTOMER PROGRAMMING

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[202] CHANGE FEATURE PASSCODE

Uses 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:

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

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

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

3) Enter new passcode via digits from dial keypad.

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

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

4) Press Transfer button 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

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[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.

Ringing 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

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

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[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

DISPLAY

1) Press Transfer button and enter 204.
   Display shows current setting:

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

2) Dial common bell number.
   OR
   Press Volume button to make selection of common bell numbers and press Right Soft button to advance cursor.

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

3) Dial 0 for continuous or 1 for interrupted operation.
   OR
   Use Volume button to scroll through options and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

MMC 203	ASSIGN UA DEVICE
MMC 601	ASSIGN STATION GROUP

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[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

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[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:

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

2) Dial 0-2 to select barge-in type. (e.g., 2)
   OR
   Press Volume button to select barge-in type and press Right Soft button.

   ```
   BARGE IN TYPE
   WITHOUT TONE
   ```

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

RELATED ITEMS

MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS

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[207] ASSIGN VM/AA PORT

Enables SLI ports to be designated as NORMAL or VM/AA. VM/AA ports receive digits designated in MMC 726 (VM/AA Options) and also receive a true disconnect signal on completion of a call. Only SLI (Single Line Interface) cards, not keyset 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.

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 or embedded VM.

DEFAULT DATA

NORMAL PORT

ACTION

1) Press Transfer button and enter 207.

   Display shows:

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

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

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

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.

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

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

RELATED ITEMS

MMC 726 VM/AA OPTIONS

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[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:

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

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

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

3) Dial 1, 2 or 0 to select port type. (e.g., 2)
   OR
   Press Volume button to select type and press Left or Right Soft button to return to step 2 above.

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

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

RELATED ITEMS

NONE

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[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:

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

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

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

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.

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

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

RELATED ITEMS

NONE

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[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 dialing number, as listed below. All options toggle ON/OFF.

No	Option	Default	Description
00	DISA PSWD	OFF	When ON, a caller must enter extension number and DISA password when they call a DISA trunk. When OFF, extension number and DISA passwords 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.
10	ALL PICK UP	OFF	When ON, call can be picked up regardless of the pickup group by using MYGRPK feature code.
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.

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(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	TRSF 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 PROGCON	OFF	When ON, if an outgoing call receives PROGRESS message from ISDN trunk, the call will connect without CONNECT message.
33	INCLUDE VAT	OFF	When ON, an 'Inclusive VAT of' line is printed on Hotel invoices (Hotel Application).
34	LCR DIALTONE	OFF	This option connects a dial tone different from extension dial tone when using LCR. When ON, a continuous tone, such as station dial tone, is generated.
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 dialed, then only the first 11 dialed digits are shown on the phone display.
38	ONE TCH FACC	OFF	When OFF, phone users cannot use one-touch account code (ACC) key.

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(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 dialed digits will be saved in the outgoing call log for Large LCD phones. When OFF, invalid dialing such as dialing of a non-existent station number will not be saved in the outgoing call log for Large LCD phones.
55	TIE TRSF RCL	ON	When ON, and a trunk call transferred to the tie line is not answered within the transfer recall time, the call is recalled to the original transferring station. (This option may not be available in certain OfficeServ models.)

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(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.
58	CO-CO TM ALL	OFF	When ON, the system trunk call will be attached timer for prevent the call from locking up
60	SMDR LOG ALL	OFF	If the hotel feature is in admin/normal station mode and cost is '0', this option allows 'smdr record save'.
61	NO ITEM COST	OFF	If the hotel feature is in check-in mode, this option allows skipping item code and cost input.
62	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 AUTOHOLD	OFF	When ON, will allow internal calls to be put on hold automatically when another call is taken.
73	DTMF TO S0	OFF	When ON, this option allows sending DRMF to S0 extension.
74	STNHOLD PICK	OFF	When ON, this option allows a different extension to pick up intercom hold.
75	AREA DELETE	OFF	In a Phonebook outgoing call, this option allows deleting the area code and making the outgoing call.
76	ELCR DIALTON	OFF	In second LCR operation, this option allows generating a different dial tone.
77	NET DTMF FWD	OFF	When ON, ext fwd is specified in SPnet when only the station port is captured and the dial tone is heard.
83	3.1K W/O HLC	OFF	When ON, an incoming call is dialed when the type of ISDN incoming call is 3.1K AUDIO type without HLC.

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(Continued)

No	Option	Default	Description
84	AOC CALLCOST	OFF	When ON, if hotel function is enabled, it costs about the ISDN line.
85	CHKIN RESTRC	OFF	When ON, in case of hotel check-in, phone can be registered without entering phone deposit.
86	CHECK-IN FAC	OFF	When ON, in case of hotel check-in, the phone which is assigned can be set FAC mode.

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

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[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:

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

2) Dial door phone number. (e.g., 230)
   OR
   Press Volume button to scroll through door phone numbers and use the Right Soft button to move cursor.

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

   OR
   Select All door ring.

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

3) Enter new ring plan number selection via dial keypad.

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

   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.

RELATED ITEMS

MMC 601 ASSIGN STATION GROUP

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[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	DISPLAY
1) Press Transfer button and enter 214. Display shows:	DISA ALARM RING 1:500 2:500
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.	DISA ALARM RING 1:217 2:500
3) Enter valid destination number for another ring plan. (e.g., 249) OR Press Volume button to make selection.	DISA ALARM RING 1:217 2:249
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 202	CHANGE FEATURE PASSCODE
MMC 601	ASSIGN STATION GROUP

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[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 7000 Series 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	DISPLAY
1) Press Transfer button and enter 217. Display shows:	TRAFFIC REPORT MANUAL PRINTOUT
2) Dial 0 for manual or 1 for automatic print. OR Press Volume button to select and press Right Soft button.	TRAFFIC REPORT AUTO PRINT OPTN
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.	TRAFFIC REPORT DAILY HHMM:2359_
4) Enter daily report time. (HHMM)	TRAFFIC REPORT DAILY HHMM:2200
5) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 829 LAN PRINTER PARAMETERS

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[219] RELAY TYPE

Assigns one of relay services to MISC port. The kinds of relay service are EXTERNAL PAGE, COMMON BELL, LOUD BELL, NOT USED.

This MMC cannot be used in OfficeServ 7200 MCP/7200 MP20/7400. In case of OfficeServ 7200 MCP/7200 MP20/7400, all MISC ports have fixed value, PAGE.

DEFAULT DATA

EXTERNAL PAGE

ACTION

1) Press Transfer button and enter 219.
   Display shows:

   DISPLAY:
   ```
   [362] RELAY TYPE
   EXTERNAL PAGE
   ```

2) Enter MISC port number or press volume button to select MISC, and press right Soft button to move cursor

   DISPLAY:
   ```
   [362] RELAY TYPE
   EXTERNAL PAGE
   ```

3) Enter relay service type (**[0]-[3]**) or press volume button to select service type, and
   press Right Soft button to move cursor to the MISC port and repeat step 2.

   DISPLAY:
   ```
   [362] RELAY TYPE
   EXTERNAL PAGE
   ```

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

RELATED ITEMS

NONE

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[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:

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

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

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

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

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

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

RELATED ITEMS

NONE

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[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 dialing 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
```

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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

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[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	DISPLAY
1) Press Transfer button and enter 222. Display shows:	`[201] FAX PAIR` `NONE`
2) Dial guest extension number. (e.g., 205) OR Press Volume button to select and press Right Soft button.	`[205] FAX PAIR` `NONE`
3) Dial fax station number. (e.g., 301) OR Press Volume button to select and press Right Soft button.	`[205] FAX PAIR` `301`
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 221	EXTENSION TYPE
MMC 813	HOTEL OPERATION

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[224] AUDIO PROMPT

Enables to provide a prompt recorded in an AA or a VMS (Voice Mail System) card when a user responds to an alarm.

No.	Option	Description
0	STN GROUP	Specifies AA/VMS group number to be connected in alarm response.
1	PROMPT NO.	Specifies the number of a prompt to be provided in alarm response.
2	GROUP BUSY	Specifies the background voice source to be called when all AAs/VMS groups to be connected are busy in alarm response. If set as 'NONE', dial tone is provided. If set as 'TONE', hold tone is provided.
3	RBT SOURCE	Specifies AA/VMS group number to be connected in coloring service.
4	VCS STN GRP	Specifies the number of VCS Station group in MMS service. (This option may not be available in certain OfficeServ models.)

DEFAULT DATA

None

CONDITIONS

None

ACTION

1) Press the Transfer button and 224.

2) Enter the AA/VMS group number specification (0).

   Or, select the AA/VMS group number specification by using the Volume button and move the cursor by pressing the Right Soft button.

3) Enter the AA/VMS group number.

   Or, select the AA/VMS group number by using the Volume button and move the cursor by pressing the Right Soft button.

DISPLAY

```
AUDIO PROMPT
STN GROUP  :NONE
```

```
AUDIO PROMPT
STN GROUP  :NONE
```

```
AUDIO PROMPT
STN GROUP  :548
```


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4) Enter the AA/VMS prompt number specification ([1]). Or, select the AA/VMS prompt number specification by using the Volume button and move the cursor by pressing the Right Soft button.

```
AUDIO PROMPT
PROMPT NO.:NONE
```

5) Enter an AA/VMS massage number (01~64). Or, select the AA/VMS message number by using the Volume button and move the cursor by pressing the Right Soft button.

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

6) Enter the GROUP BUSY specification (**[2]**). Or, select the GROUP BUSY by using the Volume button and move the cursor by pressing the Right Soft button.

```
WAKE-UP ANNOUNCE
GROUP BUSY:372
```

7) Enter the number of a background sound source. Or, select the number of a desired background sound source specification by pressing the Volume button and move the cursor by pressing the Right Soft button. If you specify NONE, press the Hold button.

```
WAKE-UP ANNOUNCE
RBT SOURCE:NONE
```

8) Press the Transfer button to store the data and complete the procedure or press the Speaker button to store the data.

RELATED ITEMS

Program 601 Assign an extension group.

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[225] IP-UMS/IVR SERVICE

Selects and specifies UMS (Unified Messaging System) and IVR (Interactive Voice Response) Service depending on UMS ports.

DEFAULT DATA

None

CONDITIONS

This function is available only when IP-UMS/IVR is specified in Program 857 virtual cabinet card specification.

When using the MMC [225]

This option is available only in OfficeServ model which supports IP-UMS/IVR function.

ACTION

1) Press the Transfer button and 225.

2) Press an extension number (e.g., 3366), or press the Volume button to select an extension number and press the Right button to move the cursor.

3) Enter a desired service type.
Or, press the Volume button to select a desired service type and press the Right button

4) Press the [Transfer] button to store the data and complete the procedure or press the [Speaker] button to store the data.

DISPLAY

```
[3365] IP-UMS/IVR
UMS SERVICE
```

```
[3366 IP-UMS/IVR
UMS SERVICE
```

```
[3366] IP-UMS/IVR
IVR SERVICE
```

RELATED ITEMS

Program 830	LAN PARAMETERS
Program 841	System IP interworking information.
Program 857	Specify a virtual cabinet card.

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[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 dialing 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.)
14	NO COST PRINT	OFF	When ON, if replacing the handset of a regular phone when no digit is pressed after hook flash, recall is carried out.
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.

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(Continued)

No	Option	Default	Description
24	RBK STN NAME	OFF	When ON, display the name of the called party's extension, and not the message of 'the number is being called', in ring back mode when an extension call is originated.
25	GLISTEN SPKR	OFF	When ON, the Group Listen function is executed by using the Speaker key.

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS DEPEND ON COUNTRY

ACTION

DISPLAY

1) Press Transfer button and enter 300.
Display shows:

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

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

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

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

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

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

4) Dial 1 for ON or 0 for OFF.
OR
Press Volume button to select and press Right Soft button.

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

5) Press Left Soft button to return to step 2.
Press Right Soft button to return to step 1.
OR
Press Transfer button to save and exit.
OR
Press Speaker button to advance to next MMC.

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RELATED ITEMS

LCR PROGRAMMING:

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

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[301] ASSIGN STATION COS

Used to assign a Class Of Service (COS) 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	DISPLAY
1) Press Transfer button and enter 301. Display shows first station:	[201] STN COS 1:01 2:01 3:01
2) Dial station number. (e.g., 205) OR Use Volume button to scroll through stations. Press Right Soft button to advance step 3. OR Use Volume button to scroll through stations and press Left Soft button to advance to step 4.	[205] STN COS 1:01 2:01 3:01
OR Select all stations.	[ALL] STN COS 1:01 2:01 3:01
3) Enter new ring plan selection via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	[205] STN COS 1:01 2:01 3:01
4) Enter ring plan class of service. (e.g., 05) OR Use Volume button to scroll through classes of service and press Right Soft button to advance 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.	[205] STN COS 1:05 2:01 3:01

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5) Enter the next ring plan class of service. (e.g., 05)
   OR
   Use Volume button to scroll through classes of service and press Right Soft button to move cursor to the next ring plan.
   OR
   Use Volume button to scroll through classes of service and press Left Soft button to return to previous step.

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

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

RELATED ITEMS

MMC 701 ASSIGN COS CONTENTS

[302] PICKUP GROUPS

According as PINGRING SERVICE is enabled or disabled, the way of assignment of stations into call pickup groups is different. In case PINGRING SERVICE is enabled in MMC861, it allows that the maximum 32 stations can be assigned per call pickup groups. But in case PINGRING SERVICE is disabled in MMC861, it allows that call pickup groups can be assigned per stations. it is the same as before. An unlimited number of members can belong to each group. Stations can only be in one pickup group at any given time.

ACTION (PINGRING SERVICE DISABLED)

DISPLAY

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

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

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

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

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

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

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

4) Press Right Soft button to return to step 2 to enter more stations.
   OR
   Press Left Soft button to return to step 3.
   OR
   Press Transfer button to save and exit.
   OR
   Press Speaker button to advance to next MMC.

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ACTION (PINGRING SERVICE ENABLED)	DISPLAY
1) Press Transfer button and enter 302. Display shows:	PICKUP GROUP (01) MEMBER 01:201
2) Dial group number. (e.g., 02) OR Use Volume button to select group number and press Right Soft button.	PICKUP GROUP (02) MEMBER 01:201
3) Dial member number. (e.g., 05) OR Press Volume button to select member number and press Right Soft button.	PICKUP GROUP (02) MEMBER 05:205
4) Dial station number. (e.g., 206) OR Press Volume button to select station number and press Right Soft button.	PICKUP GROUP (02) MEMBER 05:206
5) 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.	

RELATED ITEMS

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

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[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
```


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RELATED ITEMS

MMC 722 STATION KEY PROGRAMMING

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[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 to use group numbers 001~300 (001~100 in OfficeServ 7100, 7200 MP20S) and trunks are set to use group numbers 301~500 (101~200 in OfficeServ 7100, 7200 MP20S) 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	DISPLAY
1) Press Transfer button and enter 304. Display shows:	(001) USE (301) DIAL:YES ANS:YES
2) Dial the station use group number. (e.g., 005) OR Press Volume button to select station use group and press Right Soft button.	(005) USE (301) DIAL:YES ANS:YES
OR Select all station use groups.	(ALL) USE (301) DIAL:YES ANS:YES
3) Dial the station use group number. (e.g., 304) OR Press Volume button to select trunk use group and press Right Soft button.	(005) USE (304) DIAL:YES ANS:YES
OR Select all trunk use groups.	(005) USE (ALL) DIAL:YES ANS:YES

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

```
(005) USE (304)
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 ACCOUNT 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.

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

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

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

3) Dial a feature option 0-3. (e.g., 2)
   OR
   Press Volume button to select option and press Right Soft button to return to step 2.

   DISPLAY:
   ```
   [205] FORCD CODE
   ACCT VERIFIED
   ```

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

RELATED ITEMS

MMC 707	AUTHORIZATION CODE
MMC 708	ACCOUNT CODE

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[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	DISPLAY
1) Press Transfer button and enter 306. Display shows.	[201] HOT LINE NONE
2) Dial station number. OR Use Volume button to scroll through stations. Press Right Soft button to move the cursor.	[205] HOT LINE NONE
3) Enter the hot line destination 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)	[205] HOT LINE 9-1305P4264100_
4) Press Transfer button and enter to exit. OR Press Speaker button to advance next MMC.	

RELATED ITEMS

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

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[308] ASSIGN BACKGROUND MUSIC SOURCE

Assigns a background music source to phones. There is one internal music source and two additional external music sources are provided if each MIS card is installed in the system. If 3 Cabinet system, external music source are six.
The default directory numbers for the music sources are 371 (internal), 372~ 377 (external).

CONDITIONS

To use an external sound source, connect the corresponding port of the MOH source to the external sound source of the MIS card or the misc port of MP10/11 card in OfficeServ 7100. 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., 3761)
   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:3761
```

RELATED ITEMS

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

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[309] ASSIGN STATION MOH SOURCE

Assigns a Music On Hold source to phones. There is one internal music source and two additional external music sources are provided if a MIS card is installed in the system.

The default directory numbers for the music sources are 371 (internal).

CONDITIONS

To use an external sound source, connect the corresponding port of the MOH source to the external sound source of the MIS card.

DEFAULT DATA

TONE

ACTION

1) Press Transfer button and enter 309.
   Display shows current setting:

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

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

   DISPLAY:
   ```
   [205] STN MOH
   MOH SOURCE:NONE
   ```
   ```
   [ALL] STN MOH
   MOH SOURCE:?
   ```

3) Enter source number. (e.g., 371)
   OR
   Press Volume button to make selection and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

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

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[310] LCR CLASS OF SERVICE

Assigns the LCR (Least Cost Routing) 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:

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

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

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

3) Dial 1-8 to select class type. (e.g., 3)
   OR
   Press Volume button to select class type and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

LCR PROGRAMMING:

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

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[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:

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

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

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

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

3) Dial 0 or 1 to select Receive option.
OR
Press Volume button to select receive option and press Right Soft button to move cursor.

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

4) Dial 0 or 1 to select Send option.
OR
Press Volume button to select send option and press Right Soft button to return to step 2.

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

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

DISPLAY

RELATED ITEMS

MMC 119 CALLER ID DISPLAY

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[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:

   DISPLAY:
   ```
   [201] CO CONFIRM
   NONE
   ```

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

   DISPLAY:
   ```
   [205] CO CONFIRM
   NONE
   ```

   DISPLAY:
   ```
   [ALL] CO CONFIRM
   NONE
   ```

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

   DISPLAY:
   ```
   [205] CO CONFIRM
   CONFIRM TONE
   ```

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

RELATED ITEMS

MMC 501 SYSTEM-WIDE TIMERS

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[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 then 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	DISPLAY
1) Press Transfer button and enter 315. Display shows:	SET RELOCATION EXT_ EXT
2) Enter number of original station. (e.g., 202) Press Right Soft button to move cursor.	SET RELOCATION EXT202 EXT_
3) Enter second station number. (e.g., 210) Press Right Soft button to enter data.	SET RELOCATE EXT202 EXT210
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	SET RELOCATION EXT_ EXT

RELATED ITEMS

NONE

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[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:

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

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

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

3) Enter station use group number to copy from.
   Cursor returns to step 2.
   OR
   Press Volume button to make selection.

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

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.

RELATED ITEMS

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

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[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 / DISPLAY

1) Press Transfer button and enter 317.
   Display shows:

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

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.

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

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

3) Dial the second station use group number. (e.g., 004)
   OR
   Press Volume button to select station and press Right Soft button.

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

4) Dial 1 for YES or 0 for NO. (NO means first group cannot dial second group)
   OR
   Press Volume button to select YES/NO and press Right Soft button to move cursor.

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

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

RELATED ITEMS

MMC 614 STATION/TRUNK USE GROUP

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[318] DISTINCTIVE RINGING

Specifies Ring Tone (T: RING TONE) and RING CADENCE (C: CADENCE) to identify from other rings when a call is received from a specific extension or trunk line.
In addition, this program can specify the priorities (PRI: PRIORITY) for each extension. This priority determines which call of waiting calls has connected first if any busy line becomes free when all member's lines of the called extension group are busy and several calls are waiting. (PRI: '1' has the highest priority.)

No.	Option	Description
0	DGP TONE	Specifies the ring tone of a digital phone (1-8).
1	SLT RING	Specifies the ring cadence of a regular phone (1-5).
2	PRIORITY	This option determines which call of waiting calls has the highest priority to be connected if a busy line becomes free when all members' lines of the called extension group are busy and several calls are waiting (1-9). PRIORITY 1 has the highest priority.
3	VM RBACK	Specifies the use of the coloring service by using a VMS message according to extensions (YES/NO).

CONDITIONS

- Digital phone identifies rings by using ring tone. If the 'T' of a calling party's extension/trunk line is specified as F-STN, ring is generated by Program 111 of the called party's extension. If specified as 1-8, the incoming ring is generated as the specified tone.
- Regular phones identify rings by using ring cadence. If the 'C' of a calling party's extension/trunk line is specified as F-STN, ring is generated according to the cadence of Program 510 depending on the type of the calling parties. If specified as 1-5, the type of calling parties is ignored and the following ring cadence is used:
  At this time, the ring cadence is specified in Program 510.

DEFAULT DATA

T: F-STN
C: F-STN

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ACTION	DISPLAY
1) Press the Transfer button and 318.	[201] DIST.RING DGP TONE:NONE
2) Press an extension number or a trunk line number. (e.g., 202) Or, select the extension or trunk by pressing the Volume button and move the cursor by pressing the Right Soft button.	[202] DIST.RING DGP TONE:NONE
3) Enter a ring tone ([0]-[8]). (Press [0] to enter NO). Or, select the ring tone by pressing the Volume button and press the Right Soft button.	[202] DIST.RING DGP TONE:NONE
4) Enter a ring cadence ([0]-[5]). (Press [0] to enter NO). Or, press the Volume button to select the ring cadence and press the Right Soft button.	[202] DIST.RING SLT RING:NONE
5) Enter a priority ([0]-[9]). (Press [0] to enter NO). Or, press the Volume button to select the ring cadence and press the Right Soft button.	[202] DIST.RING PRIORITY:NO
6) Press the Transfer button to store the data and complete the procedure or press the Speaker button to store the data.	

RELATED ITEMS

Program 111 Specify Ring Tone

[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.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 319.
   Display shows.

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

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

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

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

3) Dial a branch group number. (01-04).
   OR
   Press Volume button to make selection and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

NONE

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[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.

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

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[323] CALLING PARTY NUMBER

Allows a number up to 16 digits to be entered and associated with a station or trunk number. When this station makes an outgoing call, the number entered here will be the Calling Party Number sent on the call. There are four tables for the system.

No	Type	Description
0	CLI NUMB 1	The first Calling Party Number of station or trunk
1	CLI NUMB 2	The second Calling Party Number of station or trunk
2	CLI NUMB 3	The third Calling Party Number of station or trunk
3	CLI NUMB 4	The fourth Calling Party Number of station or trunk
4	SIP ALIAS	In case of SIP trunk outgoing call, express display name or real name of calling party

DEFAULT DATA

EMPTY

ACTION

1) Press Transfer button and enter 323.
   Display shows:

   DISPLAY:
   ```
   [201] CLI NUMB 1
   ```

2) Dial extension or trunk number. (e.g., 201)
   OR
   Press Volume button to select extension and press Right Soft button to move the cursor.

   DISPLAY:
   ```
   [201] CLI NUMB 1
   ```

3) Dial table number.
   OR
   Press Volume button to select table number and press Right Soft button to move the cursor.

   DISPLAY:
   ```
   [201] CLI NUMB 1
   _
   ```

4) Enter the Calling Party Number.

   DISPLAY:
   ```
   [201] CLI NUMB 1
   3055922900
   ```

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.

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RELATED ITEMS

MMC 312	ALLOW CID
MMC 419	PRI OPTION
MMC 420	BRI OPTION
MMC 834	H.323 OPTIONS
MMC 837	SIP OPTIONS

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[324] SLI2 GAIN

Adjusts the receive sensitivities for each port of the SLI2 card. The receive sensitivity by port can be adjusted but the actual sensitivity are applied in the unit of card. To reflect the changed value, the download process should be carried out after setting a desired sensitivity for each port.

CONDITIONS

Only 16SLI2 cards are applied.

DEFAULT DATA

-1.5 dB

ACTION

1) Press the Transfer button and 324.

```
[201] SLI2 GAIN
DOWNLOAD  ? NO
```

2) Enter the number of the first port of the SLI2 card. (e.g., 201). Or, press the Volume button to select the number of the first port of the SLI2 card and press the Right Soft button and move the cursor.

```
[201] SLI2 GAIN
DOWNLOAD  ? NO
```

3) Enter the port number whose sensitivity is changed. Or, press the Volume button to select a desired port number and press the Right soft button to move the cursor.

```
[201] SLI2 GAIN
01:LEVEL 3 → 3
```

4) Enter a receive sensitivity ([0]-[9]: LEVEL 0~9). Or, press the[Volume button to select a desired receive sensitivity and press the Right soft button to move the cursor.

```
[201] SLI2 GAIN
01:LEVEL 3 → 4
```

5) Enter the Download item number (00) to apply the actually changed sensitivities to each port. Or, press the Volume button to select a Download item and press the Right Soft button to move the cursor.

```
[201] SLI2 GAIN
DOWNLOAD  ? NO
```

6) Enter Download Check ([0]: NO, [1]: YES). Or, press the Volume button to select the Download Check and press the Right Soft button.

```
[201] SLI2 GAIN
DOWNLOAD  ?YES
```

RELATED ITEMS

None

[326] RBT MESSAGE

Specifies the coloring messages for each extension by using the SVMi message.

ACTION

1) Press the Transfer button and 326.

2) Enter a terminal number to connect the coloring.
Or, press the Volume button to select a desired phone number and press the Right soft button to move the cursor.

3) Enter the number of the coloring service (**[0001]-[9999]**).
Or, select the number of a desired service by using the Volume button and move the cursor by using the Right Soft button

4) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

DISPLAY

```
[3201] RBT MSG
NONE
```

```
[3201] RBT MSG
NONE
```

```
[3201] RBT MSG
0001
```

RELATED ITEMS

Program 224	Specify Voice Alarm Message
Program 316	Specify Identification Ring

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[327] MULTI MEDIA SERVICE

NOTE

MMC [327]

This option is available only in certain OfficeServ models

No.	Type	Description
0	MMS RBACK	Specifies the function to receive the multimedia information from the multimedia server and display the information, and not the function to provide ring back tone by interworking with the Server.
1	MMS RING	Specifies the function to receive the multimedia information from the multimedia server and display the information, and not the function to provide ring received by interworking with the Server.
2	MMS BUSY	Specifies the function to receive the multimedia information from the multimedia server and display the information, and not the function to provide busy tone by interworking with the Server.
3	MMS MOH	Specifies the function to receive the multimedia information from the multimedia server and display the information, and not the function to provide MOH when the other party you called holds your call by interworking with the server.

ACTION

DISPLAY

1) Press the Transfer button and 327.

```
[3201] MMS SVC
MMS RBACK:NO
```

2) Enter a terminal number that can interwork with MMS.
Or, press the Volume button to select a desired phone number and press the Right soft button to move the cursor.

```
[3201] MMS SVC
MMS RBACK:NO
```

3) Enter the number of a desired service ([0]-[3]).
Or, select the number of a desired service by using the Volume button and move the cursor by using the Right Soft button.

```
[3201] MMS SVC
MMS RBACK:YES
```

4) Select Yes/No of the service item by entering [0] or [1] and press the Right Soft button to save the data.

```
[3201] MMS SVC
MMS RBACK:YES
```

5) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

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RELATED ITEMS

Program 224	Specify a Voice Alarm Message
Program 830	LAN PARAMETERS

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[328] MOBEX INFO

The system shall have virtual stations to serve the MOBEX function. This virtual station is called a MOBEX station. A MOBEX station shall be mapped to a MOBEX phone in a one-to-one relationship.
The trunks that can make a call to a MOBEX phone shall be limited to PRI/BRI and SIP trunks. (In case of SIP trunk, MOBEX EXECUTIVE function is not allowed.)

- MOBEX Number: The phone number of an external device, such as a mobile phone, to be ringing.
- MOBEX Phone: An external phone that has a MOBEX number.
- MOBEX User: A user of a MOBEX phone.
- MOBEX Station: A virtual station to which a MOBEX number is assigned.
- Master Station: A station that assigns a group of MOBEX stations to which a simultaneous call is to be made.

No.	Type	Description
0	TEL NUMBER	The phone number of an external device, such as a mobile phone, to be ringing The length of value should be above 2 digit and be formatted with speed dial. The available trunk is ISDN/SIP trunk/trunk group/LCR number.
1	CLI NUMBER	The CLI of external MOBEX phone It is possible to input 0~9 number and maximum 16 letters
2	EXEC USER	Choose to use exclusive option or not (YES → FREE (Free resource): 0 LIC (License): 0)
3	MASTER STN	A station that assigns a group of MOBEX stations to which a simultaneous call is to be made.
4	DEACTIVATE	Set MOBEX station to be active or not

MMC [328]

MOBEX extension number should be assigned in MMC 724 before MMC 328 setting.

ACTION

DISPLAY

1) Press the Transfer button and 328.

```
[3001]TEL NUMBER
```

2) Enter MOBEX station number.

```
[3001] TEL NUMBER
```

Or, press the Volume button to select a desired phone number and press the Right soft button to move the cursor.

3) Enter the desired number.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
[3001] TEL NUMBER
7001-2099
```

4) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

RELATED ITEMS

Program 857	Set virtual cabinet of MOBEX station
Program 724	Set number plan of MOBEX station
Program 329	Set ring group

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[329] RING GROUP

Up to five stations shall be able to be assigned to a ring group. When a master station is ringing, the member stations of its ring group shall also be ringing simultaneously.
If a master station can not be ringing because the forward, DND, or Lock function etc. is enabled, its member stations shall also not be ringing. However, if the master station is unplugged, its member stations shall be ringing.
If an off hook ring occurs a master station due to a camp-on call which came in while it was busy, its member stations shall also be ringing. If no off hook ring is ringing, they shall not be ringing either.
If the forward all, DND, or Lock function is enabled in a member station, it shall not be ringing. However, if the forward busy or no answer function is enabled, this setting shall be ignored.
When a master or one of its member stations answers a call, other rings shall be cleared.

NOTE

MMC [329]

MOBEX extension number cannot be assigned to Master of ring group.

ACTION

1) Press the Transfer button and 329.

```
[2080]RING GROUP
MEMBER 1: NONE
```

2) Enter a desired station number
OR
Press the Volume button to select a desired phone number and press the Right soft button to move the cursor.

```
[2080]RING GROUP
MEMBER 1: NONE
```

3) Enter the number of a desired member station
OR
Select the number of a desired service by using the Volume button and move the cursor by using the Right Soft button.

```
[2080]RING GROUP
MEMBER 1: 3001
```

4) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

DISPLAY

RELATED ITEMS

Program 857	Set virtual cabinet of MOBEX
Program 724	Set number plan of MOBEX
Program 328	Set MOBEX number

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[330] EMERGENCY LOCAL ROUTING

MMC [330]

If the dialed number is the same as Emergency Dial Number, LCR Routing table is determined by Emergency Code. IP Phone and WIP phone only support this feature and this call should be made via SIP Trunk.

No.	Type	Description
0	EMGY CODE	Assign emergency code.
1	EMGY DIAL	Assign emergency dial number. It supports 4 entries. If EMGY CODE is entered and EMGY DIAL number is the same with the dialed number, this call is routed to the designated destination.

ACTION

DISPLAY

1) Press the Transfer button and 330.

```
[3201]EMGY CODE
```

2) Enter a desired station number
OR
Press the Volume button to select a desired phone number and press the Right soft button to move the cursor.

```
[3201]EMGY CODE
```

3) Enter the number of a desired option
OR
Select the number of a option by using the Volume button and move the cursor by using the Right Soft button.

```
[3201]EMGY DIAL
```

4) Enter the number of a desired dial number

```
[3201]EMGY DIAL
```

5) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

RELATED ITEMS

Program 701	LCR DIGIT
Program 832	VoIP ACCESS CODE
Program 833	VOIP IP ADDR

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[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 dialing its port number (e.g., 701).
4	MOH/BGM USE	OFF	When this option is set to ON, MOH feature for 8TRK/8TRK2/16TRK/4TRM card is enabled.
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	COLORING AS	OFF	To provide coloring, and not ring back tone, a channel should be connected when a trunk line call is received. For a trunk line call that no channel is connected, this option determines if the coloring service is provided by sending the ANSBACK message.
12	TANDEM CLI	ON	When this option is set to ON, '0' is attached in front of the Caller ID received for a trunk line Tandem call.

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ACTION	DISPLAY
1) Press Transfer button and enter 400. Display show:	[701] TRK ON/OFF 1A2 EMULATE:OFF
2) Dial trunk number. (e.g., 704) OR Press Volume button to select trunk. OR	[704] TRK ON/OFF 1A2 EMULATE:OFF
Select all trunks and press Right Soft button to move cursor to options.	[ALL] TRK ON/OFF 1A2 EMULATE:?
3) Dial option number from above list OR Press Volume button to select option and press Right Soft button to move cursor.	[704] TRK ON/OFF TRK FORWARD:ON
4) Dial 1 for ON or 0 for OFF. OR Press Volume button to select ON/OFF and press Right Soft button to return to step 2.	[704] TRK ON/OFF TRK FORWARD:OFF
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[401] TRUNK LINE/PBX LINE

Used to select the mode of the trunk lines: CO LINE or PBX (Private Branch eXchange) 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:

   DISPLAY:
   ```
   [701] PBX LINE
   CO LINE
   ```

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

   DISPLAY:
   ```
   [704] PBX LINE
   CO LINE
   ```

   DISPLAY:
   ```
   [ALL] PBX LINE
   ?
   ```

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.

   DISPLAY:
   ```
   [704] PBX LINE
   PBX LINE
   ```

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

RELATED ITEMS

NONE

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[402] TRUNK DIAL TYPE

Used to determine the dialing 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
2	R2MFC TYPE	Multi-Frequency Compelled R2 (This option may not be available in certain OfficeServ models or countries.)

DEFAULT DATA

ALL TRUNKS: DTMF

ACTION

1) Press Transfer button and enter 402.
   Display shows:

   DISPLAY:
   ```
   [701] DIAL TYPE
   DTMF TYPE
   ```

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.

   DISPLAY:
   ```
   [704] DIAL TYPE
   DTMF TYPE
   ```

   DISPLAY:
   ```
   [ALL] DIAL TYPE
   ?
   ```

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.

   DISPLAY:
   ```
   [704] DIAL TYPE
   DIAL PULSE TYPE
   ```

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

RELATED ITEMS

MMC 501	SYSTEM TIMERS
MMC 503	TRUNK-WIDE TIMERS

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[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.

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.

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
```

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

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

RELATED ITEMS

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

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

RELATED ITEMS

MMC 104	STATION NAME
MMC 405	TRUNK CO TEL NUMBER

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

RELATED ITEMS

MMC 404 TRUNK NAME

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[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:

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

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

   DISPLAY:
   ```
   [704] TRK RING
   1:500  2:500
   ```
   OR
   ```
   [All] TRK RING
   1:500  2:500
   ```

3) Dial ring plan number or press Right Soft button to move to the next step.

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

4) Dial station number or station group number. (e.g., 205)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor to the next ring plan destination and repeat step 4.
   OR
   Press Left Soft button to return to step 3.

   DISPLAY:
   ```
   [704] TRK RING
   1:205  2:500
   ```
   ```
   [704] TRK RING
   1:205  2:501
   ```

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

RELATED ITEMS

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

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[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

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[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 (371) and maximum six external music sources are available with the MIS card installed in the 3 cabinet system (372~377). However in case of certain OfficeServ models, there is one internal music source/external music source (371)

CONDITIONS

To use an external sound source, connect the corresponding port of the source to the external sound source of the MIS card or the MISC port of OfficeServ 7100, 7200 MP20S.

DEFAULT DATA

TONE

ACTION

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

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

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

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

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

3) Enter source number. (e.g., 3761)
   OR
   Press Volume button to select option and press Right Soft button to return to step 2.

   DISPLAY:
   ```
   [705] TRK MOH
   MOH:3761  AA:TONE
   ```

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

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:

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

2) Enter trunk number via dial keypad. (e.g., 704)
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.

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

3) Enter desired option 00-19. (e.g., 01)
   OR
   Press Volume button to make selection.

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

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

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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

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[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	DISPLAY
1) Press Transfer button and enter 410. Display shows:	[701] 123456 DISA LINE:000000
2) Dial trunk number. (e.g., 704) OR Press Volume button to select trunk and press Right Soft button. OR Select all trunks. OR	[704] 123456 DISA LINE:000000 [ALL] 123456 DISA LINE:000000
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.	[704] 123456 DISA LINE:001000
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 500 SYSTEM-WIDE COUNTERS

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[411] ASSIGN E1 SIGNAL TYPE

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

MMC [411]

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

This option may not be available in certain OfficeServ models.

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

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CONDITIONS

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

DEFAULT DATA

NONE

ACTION / DISPLAY

1) Press Transfer button and enter 411.
   Display shows:

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

2) Enter desired trunk number. (e.g., 705)
   OR
   Press Volume button to make selection.
   Press Right Soft button to move cursor.

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

   OR
   Select all trunks.

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

3) Press Volume button to select trunk type and press Right Soft button to move cursor.

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

4) Press Volume button to Signaling select and press Right Soft button to move cursor.

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

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

RELATED ITEMS

TRUNK PROGRAMMING

MMC 400	CUSTOMER ON/OFF PER TRUNK
MMC 401	TRUNK LINE/PBX LINE
MMC 402	TRUNK DIAL TYPE
MMC 403	TRUNK TOLL CLASS
MMC 404	TRUNK NAME
MMC 405	TRUNK CO TEL NUMBER
MMC 406	TRUNK RING ASSIGNMENT
MMC 407	FORCED TRUNK RELEASE
MMC 408	ASSIGN TRUNK MOH SOURCE
MMC 409	TRUNK STATUS READ
MMC 410	ASSIGN DISA TRUNK
MMC 411	ASSIGN E1 SIGNAL TYPE

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MMC 412	ASSIGN TRUNK SIGNAL
MMC 413	VMS CALL TYPE
MMC 414	MPD/PRS SIGNAL
MMC 415	REPORT TRUNK ABANDON DATA
MMC 416	ASSIGN E&M/DID RINGDOWN
MMC 417	E1/PRI CRC4 OPTION
MMC 418	BRI AND PRI CARD RESTART
MMC 419	BRI OPTIONS
MMC 420	PRI OPTIONS
MMC 421	MSN DIGIT
MMC 422	TRUNK COS
MMC 423	S/T MODE
MMC 424	BRI S0 MAPPING
MMC 426	TRUNK GAIN CONTROL
MMC 433	COST RATE
MMC 434	CONNECTION STATUS
MMC 436	TRUNK TMC GAIN

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[412] ASSIGN TRUNK SIGNAL

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

No	Signaling 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 7000 Series system. Or, the 'NO E&M/DID TRUNK' message is displayed.

DEFAULT DATA

IMMEDIATE START

ACTION

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

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

2) Enter desired trunk number. (e.g., 705)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.
   OR
   Select all trunks.

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

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

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

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

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

RELATED ITEMS

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

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[413] VMS CALL TYPE

Defines the type of Signaling for voice mail assigned trunk.

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

CONDITIONS

This program applies to the SVM-800 voice mail system which is no longer supplied or supported by Samsung.

MMC [413]

This option may not be available in certain OfficeServ models.

DEFAULT DATA

SEE TABLE

ACTION

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

2) Enter desired trunk number. (e.g., 702)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.
   OR Select all trunks.

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

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

DISPLAY

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

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

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

RELATED ITEMS

NONE

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[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 (Station Message Detail Recording) record.
- PRS is also essential for dropping a trunk-to- trunk conversation which is unsupervised by an internal party.

DEFAULT DATA

NONE (NORMAL)

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ACTION

DISPLAY

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

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

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

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

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

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

RELATED ITEMS

MMC503 TRUNK-WIDE TIMERS

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[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

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[416] ASSIGN E&M/DID RINGDOWN

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

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

CONDITIONS

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

MMC [416]

This option may not be available in certain OfficeServ models.

DEFAULT DATA

FOLLOW INCOMING DIGIT

ACTION	DISPLAY
1) Press Transfer button and enter 416. Display shows:	[701] EM/DD RING FOLLOW INCOM DGT
2) Enter desired trunk number. (e.g., 705) OR Press Volume button to make selection and press Right Soft button to move cursor.	[705] EM/DD RING FOLLOW INCOM DGT
OR Select all trunks.	[ALL] EM/DD RING FOLLOW INCOM DGT
3) Dial option number. (0~2) OR. Press Volume button to make selection and press Right Soft button to return step 2. If FOLLOW TRK RING is selected, the LCD display shows step 4.	[705] EM/DD RING NO. RCV DIGIT:00
4) Enter the number of incoming digits.	[705] EM/DD RING NO. RCV DIGIT:00
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 714 DID NUMBER AND NAME TRANSLATION

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[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	DISPLAY
1) Press Transfer button and enter 417. Display shows:	[701] E1/PRI CRC ON
2) Enter first trunk number in PRI card. (e.g., 701) OR Press Volume button to select trunk and use Right Soft button to move cursor.	[701] E1/PRI CRC ON
3) Enter 1 for ON 0 for OFF. OR Press Volume button to select and press Right Soft button.	[701] E1/PRI CRC OFF
4) Press Transfer button to save and exit. OR Press Speaker button to save and advance to next MMC.	

RELATED ITEMS

MMC 418 BRI AND PRI CARD RESTART

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[418] BRI AND PRI CARD RESTART

This MMC is used to restart a BRI (Basic Rate Interface) or PRI (Private Rate Interface) card at the card level or a BRM at the module level. This action is required to update the processor on the BRI (BRM) or PRI card with any changes in the card setup MMCs and to put these changes into effect.

CONDITIONS

- A BRI card or BRM or TEPRI (T1E1 PRI) 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 / DISPLAY

1) Press Transfer button and enter 418.
   Display shows first BRI or PRI circuit:

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

2) Dial first trunk on a BRI or PRI card. (e.g., 733)
   OR
   Press Volume button to select the first trunk and press Right Soft button to move the cursor.

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

3) Dial 1 for YES or 0 for NO.
   Pressing 1 will advance to step 4.

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

4) Dial 1 for YES or 0 for NO.
   Pressing 1 or 0 will return to step 2.

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

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

RELATED ITEMS

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

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[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 dialed 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
	ABBREV	Abbreviated number
	EXTEN	Local number

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(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
6	CLIR w NUMB	In case of CLIR, the flag can be set to OFF and the CLI number can be sent.
8	ECT SERVICE	Specifies the ISDN explicit call transfer option as follows: 0. NONE 1. REQ 2. RCV 3. BOTH (This option may not be available in certain OfficeServ system.)
10	EFWD REROUT	If the option is set to ON, the rerouting message can be sent as FACILITY type.
12	NO CH BUSY	If BRI line is not available, this line can be set to be busy.
13	CD PLAN	Specifies the called party's numbering plan as follows: 0. UNKNOWN 1. ISDN 2. NATION
14	CD TYPE	Specifies the calling party's number type as follows: 0. UNKNOWN 1. INT. NAT 2. NATIONAL 3. NETWORK 4. SUBSCRIB 5. ABBREV 6. EXTEN
15	TIME SYNC	The time information of system can be updated automatically by BRI incoming call.
16	DIVERT	In case of using MOBEX trunk, specifies partial rerouting message type as follows: 0. OFF: Rerouting message can't be sent. 1. ON: Both diverting and original called number can be sent 2. EXCEPT CD: Only diverting number can be sent.
17	CENTREX	When ISDN trunk has centrex feature, MMC 210 ISDN PROGCON is set to OFF and the 2nd progress message is incoming, dialed digit can be sent as ISDN message type. If the option is set to OFF, dialed digit is sent as DTMF type.

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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)
2	ECT SERVICE	Specifies the ISDN explicit call transfer option as follows: 0. NONE 1. REQ 2. RCV 3. BOTH (This option may not be available in certain OfficeServ system.)

CONDITIONS

- A BRI card must be installed in the system. Or, 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
CLIR w NUMB: OFF
ECT SERVICE: OFF
EFWD REROUT: OFF
NO CH BUSY: OFF
CD PLAN: UNKNOWN
CD TYPE: UNKNOWN
TIME SYNC: OFF
DIVERT: OFF
CENTREX: OFF

For BRI ports programmed as stations:
CHANNEL ANY: YES
POWER FEED: NO
ECT SERVICE: OFF

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ACTION	DISPLAY
1) Press Transfer button and enter 419. Display shows first BRI channel.	[725] BRI-TRK CHANNEL ANY:YES
2) Dial BRI trunk number. (e.g., 727) OR Press Volume button to select BRI trunk and press Right Soft button.	[727] BRI-TRK CHANNEL ANY:YES
3) Select option item. OR Press Volume button to select option item and press Right Soft button.	[727] BRI-TRK CHANNEL ANY:NO
	[727] BRI-TRK BRI MODE:P-M MSN
	[727] BRI-TRK DLSEND :OVERLAP
	[727] BRI-TRK CLIP TABLE:NONE
	[727] BRI-TRK NB TYPE:UNKNOWN
4) Select option. OR Press Volume button to select BRI station and press Right Soft button.	[727] BRI-TRK CLIP TABLE:1
5) Dial BRI station number. (e.g., 729) OR Press Volume button to select BRI station and press Right Soft button.	[729] BRI-STN CHANNEL ANY:YES
6) Select option item. OR Press Volume button to select BRI station and press Right Soft button.	[729] BRI-STN CHANNEL ANY:YES
	[729] BRI-STN POWER FEED:NO
7) Select option. OR Press Volume button to select option item and press Right Soft button.	[729] BRI-STN POWER FEED:YES
8) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

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RELATED ITEMS

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

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[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 dialed 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
	ABBREV	Abbreviated number
	EXTEN	Local 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

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(Continued)

No	Option	Description
6	CLIR w NUMB	When this option is set to ON, CLIP numbers are transmitted to the network even though CLIP Restriction is set. 0. OFF 1. ON
8	ECT SERVICE	Specifies the ISDN explicit call transfer option as follows: 0. NONE 1. REQ 2. RCV 3. BOTH (This option may not be available in certain OfficeServ system.)
10	EFWD REROUT	If the option is set to ON, the rerouting message can be sent as FACILITY type.
11	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.
13	CD PLAN	Specifies the called party's numbering plan as follows: 0. UNKNOWN 1. ISDN 2. NATION
14	CD TYPE	Specifies the calling party's number type as follows: 0. UNKNOWN 1. INT. NAT 2. NATIONAL 3. NETWORK 4. SUBSCRIB 5. ABBREV 6. EXTEN
15	TIME SYNC	Determines the automatic update of the system time by the use of ISDN Calls. When this option is set to ON, the system time is updated if a correct time value is transmitted from the trunk line.
16	DIVERT	In case of using MOBEX trunk, specifies partial rerouting message type as follows: 0. OFF: Rerouting message can't be sent. 1. ON: Both diverting and original called number can be sent 2. EXCEPT CD: Only diverting number can be sent.
17	CENTREX	When ISDN trunk has centrex feature, MMC 210 ISDN PROGCON is set to OFF and the 2nd progress message is incoming, dialed digit can be sent as ISDN message type. If the option is set to OFF, dialed digit is sent as DTMF type.

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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: 1
NB TYPE: UNKNOWN
NB PLAN: ISDN
CLIR w NUMB: OFF
ECT SERVICE: OFF
EFWD REROUT: OFF
SAME CONNID: OFF
CD PLAN: UNKNOWN
CD TYPE: UNKNOWN
TIME SYNC: OFF
DIVERT: OFF
CENTREX: OFF

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

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RELATED ITEMS

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

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[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. Or, 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	DISPLAY
1) Press Transfer button and enter 421. Display shows:	[701] MSN DGT (1) DGT:
2) Enter trunk number. (e.g., 704) OR Press Volume button to scroll through ISDN ports and press Right Soft button to move cursor.	[704] MSN DGT (1) DGT:
3) Enter the location 1-8. (e.g., 4) OR Press Volume button to select location and press Right Soft button to move cursor.	[704] MSN DGT (4) DGT:
4) Enter digits to be translated (e.g., 4603881) via dial keypad and press Right Soft button to move to the destination selection. (Max. Digit is 12)	[704] MSN DGT (4) DGT:4603881

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5) Enter destinations for the six ring plans via the dial keypad. (e.g., 204 for ring plan 1)
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

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

7) Enter 1 for ACCEPT or 0 for REJECT.
   OR
   Press Volume button to make selection and press Right Soft button.

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

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

RELATED ITEMS

MMC 423 S/T MODE

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[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 COS 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	DISPLAY
1) Press Transfer button and enter 422. Display shows first trunk:	[701] TRK COS 1:01 2:01 3:01
2) Dial trunk number. (e.g., 705) OR Use Volume button to scroll through trunks. Press Right Soft button to advance 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 [ALL] 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.	[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

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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

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[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 or BRM 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:

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

2) Dial trunk number. (e.g., 727)
   OR
   Use Volume button to scroll through BRI numbers and press Right Soft button to move cursor.

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

   OR
   Select all.

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

3) Enter circuit type. (e.g., station).
   OR
   Press Volume button to select option and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

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

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[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

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[425] CID TRUNKS

Specifies an analog trunk line providing CID.

CONDITIONS

- Check if RCM, RCM2 or CRM option card is mounted on the LP40 (OfficeServ 7400) / MCP (OfficeServ 7200 does not support CRM) card of the OfficeServ system and before setting CLIP. (This MMC is not shown in OfficeServ 7100.)
- The trunk line should be the line that a phone service provider provides CID through.

DEFAULT DATA

NORMAL TRUNK

ACTION

1) Press the Transfer button and 425.

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

2) Enter the number of an analog loop trunk line. (e.g., 702)
   OR
   Select a trunk line by pressing the Volume button and move the cursor by pressing the Right Soft button.
   OR
   Select all trunk lines by pressing the Message button (DS-24SE) or the ANS/RLS button (DS-4028E).

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

3) Enter 1 or 0 to specify if the trunk line provides CID or not.
   OR
   Select if the CID is provided by using the Volume button and move the cursor by pressing the Right Soft button.

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

4) Press the Transfer button to store the data and complete the procedure or press the Speaker button to store the data.

RELATED ITEMS

Program 119	Specify the way to display CID.
Program 312	Specify if the CID is allowed.
Program 608	Assign the block to save CID.
Program 728	Enter the CID Conversion Table.

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[426] TRUNK GAIN CONTROL

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

OfficeServ 7200/7400

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

Others

No	Trunk Gain	Description
0	+0.0	No adjustment
1	+1.0	Up 1.0 dB
2	+1.9	Up 1.9 dB
3	+2.8	Up 2.8 dB
4	-6.0	Down 6.0 dB
5	-4.1	Down 4.1 dB
6	-2.5	Down 2.5 dB
7	-1.2	Down 1.2 dB

DEFAULT DATA

TX: +0.0
RX: +0.0

ACTION

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

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

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.

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

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

DISPLAY

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

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

4) Press Volume button to make selection and press Right Soft button to move cursor and return to step 1.

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

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

RELATED ITEMS

NONE

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[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 / DISPLAY

1) Press Transfer button and enter 428.
   Display shows:

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

2) Dial the trunk use group number. (e.g., 305)
   OR
   Press Volume button to selection and press Right Soft button.

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

   OR
   Select all trunk use groups.

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

3) Dial the trunk use group number. (e.g., 304)
   OR
   Press Volume button to selection and press Right Soft button.

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

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

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

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

RELATED ITEMS

MMC 614 STATION/TRUNK USE GROUP

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[432] SET H-TRK

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

MMC [432]

This option may not be available in certain OfficeServ models.

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

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[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:

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

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.

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

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

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

4) Press Transfer button to save and exit.

RELATED ITEMS

MMC 746	COSTING DIAL PLAN
MMC 747	RATE CALCULATION TABLE

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[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
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

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Display trunk status in conference

1) Press Transfer button and enter 434.

```
DISPLAY STATUS
201  IDLE
```

2) Enter station or trunk number.
Display shows connection status:

```
DISPLAY STATUS
702  227 ,215 →
```

3) Press Right Soft button to display the next station or trunks involved.

```
DISPLAY STATUS
702  216     →
```

4) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
216  702 ,227 →
```

Display status no connection

1) Press Transfer button and enter 434.

```
DISPLAY STATUS
201  IDLE
```

2) Enter station or trunk number.
Display show connection status.

```
DISPLAY STATUS
702  NONE
```

3) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
702  NONE
```

Display status no connection

1) Press Transfer button and enter 434.

```
DISPLAY STATUS
201  IDLE
```

2) Enter invalid station or trunk number.
Display show INVALID DATA:

```
DISPLAY STATUS
INVALID DATA
```

3) Enter another station or trunk.
OR
Press Transfer button to exit.

```
DISPLAY STATUS
201  IDLE
```

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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	STATION STATUS
MMC 409	TRUNK STATUS READ

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[436] TRUNK TMC GAIN

Allows loss levels of TMC (Trunk Module Controller) for analogue trunks to be adjusted on a per-trunk basis.
There are two adjustments available in this MMC: 'TX' is the transmit level adjustment of the trunk to the station. 'RX' is the receive level adjustment of the station to the trunk.

DEFAULT DATA

TX: +0 dB
RX: +0 dB

ACTION

1) Press Transfer button and enter 436.
   Display shows:

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

2) Enter desired trunk number. (e.g., 705) via the dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.
   OR
   Select all.

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

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

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

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

4) Press Volume button to make selection and press Right Soft button to move cursor and
   return to step 2.

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

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

RELATED ITEMS

NONE

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[437] 16 TRUNK GAIN

Specifies TX/RX gain to be adjusted in trunk line calls.

CONDITIONS

None

DEFAULT DATA

TRK TYPE: 1
RX: 3 TX: 3

ACTION	DISPLAY
1) Press the Transfer button and 437.	[701] TRK TYPE: 1 RX:3 TX:3
2) Enter a trunk phone number. OR Select a trunk line by pressing the Volume button and move the cursor by pressing the Right Soft button. OR Specify all trunk lines by pressing the Message button (DS-24SE) or the ANS/RLS button (DS-4028E).	[702] TRK TYPE: 1 RX:3 TX:3
3) Enter a TRK TYPE number (1~4) and store the number by pressing the Right Soft button.	[702] TRK TYPE:2 RX:3 TX:3
4) Enter a RX GAIN number (1~4) and store the number by pressing the Right Soft button.	[702] TRK TYPE:2 RX:2 TX:3
5) Enter a TX GAIN number (1~5) and store the number by pressing the Right Soft button.	[702] TRK TYPE:2 RX:2 TX:4
6) Press the Transfer button to store the data and complete the procedure or press the Speaker button to store the data.	[702] TRK TYPE:2 RX:2 TX:4

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[500] SYSTEM-WIDE COUNTERS

Used to set the values of the system counters. The counters are listed below with a brief description of each.

No	Counter	Default	Description
0	ALARM REM. CNTER	5	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1-99.
1	AUTO RDL COUNTER	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 CNTER	99	Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99.
3	DISA LOCK CNTER	3	Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE = -99
4	NEW CALL COUNTER	99	Number of times the system will allow a user to signal New Call on a Trunk line during one call. RANGE = 1-99.
5	UCDS VISUAL ALARM	0	Used to set the Visual alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0-25.
6	UCDS AUDIO ALARM	0	Used to set the Audio alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0-25.
7	UCD CS LEVEL 1	0	Provides call wait indication level 1 if number of calls waiting to be answered in UCD group reaches this value. RANGE = 0-25.
8	UCD CS LEVEL 2	0	Provides call wait indication level 2 if number of calls waiting to be answered in UCD group reaches this value. RANGE = 0-25.

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1) Press Transfer button and enter 500.
   Display shows:

```
ALARM REM.CNTER
05 →
```

2) Enter number from above list. (e.g., 6)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
UCDS AUDIO ALARM
00 →
```

3) Enter in new value via dial keypad.
   If entry is valid, system will return to step 2.

```
UCDS AUDIO ALARM
00 → 02
```

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

RELATED ITEMS

NONE

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[501] SYSTEM TIMERS

Allows the technician to adjust individual timers as necessary.

TIMER TABLE

Timer Name	Default	Range Unit	Description
AA INT DGT TIME	05	1~25 SEC	Inter-digit time (This option may not be available in certain OfficeServ models.)
AA NO ACT TIME	10	1~25 SEC	Time for AA to transfer the incoming call to operator in case of no digit input within the specified time limit. (This option may not be available in certain OfficeServ models.)
AA TRANS TIME	02	0~25 SEC	This is latency time before AA tranfer inbound call to another recipient. (This option may not be available in certain OfficeServ models.)
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 dialing 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 dialed 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.

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(Continued)

Timer Name	Default	Range Unit	Description
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.
CID DSP ALLOC TM	500	000-500 MSEC	Caller ID (CLI) Digital Signal Processor Allocation timer - the length of time the DSP is in-circuit to decode analogue Caller ID. (This option may not be available in certain OfficeServ models.)
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 cleardown.
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.

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(Continued)

Timer Name	Default	Range Unit	Description
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	3	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.
FIRST DIGIT TIME	10	1-250 SEC	This timer controls how long the system will wait for dialing 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 hookswitch bounce LONGEST duration.
HOK FLASH MIN TM	70	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 dialing 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 dialing valid digits and the end of the dialing string on an ISDN call.

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(Continued)

Timer Name	Default	Range Unit	Description
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 dialing 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.
MS LED ON TIME	5	1-10 SEC	This timer controls the duration a Manual Signaling key will remain on after use.
OFF HOOK RING INT	15	1-250 SEC	This timer controls the 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/WebMMC/ Installer 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.

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(Continued)

Timer Name	Default	Range Unit	Description
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 Signaling, 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 dialing. 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.
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.

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(Continued)

Timer Name	Default	Range Unit	Description
VM RBK DELAY TM	0	0-250 SEC	In case of an incoming call, the answer time for VM ringback tone is delayed
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

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[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.
6	PING RING	This timer let the members of pickup group listen ping ring just one time. If this value is 0, this function will not operate. And to allow this function, the PINGRING SERVICE has to be enabled in MMC861. (0~250 sec)

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
PING RING: 000 SEC

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ACTION	DISPLAY
1) Press Transfer button and enter 502. Display shows:	[201] NO ANS FWD 015 SEC→
2) Dial station number. (e.g., 205) OR Press Volume button to select station and press Right Soft button. OR Select all stations and press Right Soft button.	[205] NO ANS FWD 015 SEC→_ [ALL] NO ANS FWD 015 SEC→_
3) Enter new value (must be three digits) via dial keypad. (e.g., 020) System will return to step 2.	[205] NO ANS FWD 015 SEC→020
4) Dial timer number from above list. (e.g., 1) OR Press Volume button to select and press Right Soft button to move cursor.	[205] DTMF DUR. 0100 MS →_
5) Enter new timer value. (must be four digits, e.g., 0200) System returns to step 2.	[205] DTMP DUR. 0100 MS →0200
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 102	CALL FORWARD
MMC 306	HOT LINE/OFF HOOK SELECTION

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[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 Signaling and does not affect normal CO lines.	0-2500 MSEC
01	CLEARING	This timer ensures that a call is fully disconnected at the CO by preventing CO access outgoing or receiving incoming ring between a disconnect and the expiration of this timer.	100-9900 MSEC
02	CO SUPV TM	CO SUPERVISION TIME. this is the minimum length of loop open disconnect received from the CO that will be seen as a valid hang up on the system.	10-2500 MSEC
03	DTMF DUR.	DTMF DURATION. This is the length of the DTMF digits that will be sent to the CO on this line.	100-9900 MSEC
04	F-DGT DELY	First-DIGIT DELAY. This is the length of time the system will wait for CO line conditions to stabilize after seizure before sending DTMF digits.	100-9900 MSEC
05	FLASH TIME	This is the duration of the momentary open sent on a circuit when FLASH key is pressed.	20-2500 MSEC
06	NO RING TM	This is the length of time the system will wait after detecting a ring burst on a line before deciding the call has disconnected.	1-25 SEC
07	PAUSE TIME	This is the length of time the system will wait before sending the next digit for a pause in a speed dial bin.	1-25 SEC
08	PRS DET TM	This means the duration of PRS signal pulse. If the PRS signal is reversed when opposite party is answered and maintain the status before the opposite party disconnect the call, the PRS DET TM must be set to 0.	0-2500 MSEC
09	RNG DET TM	RING DETECT TIME. This is the minimum length of ring signal the system will regard as a valid ring.	10-2500 MSEC
10	WINK TIME	This is the duration of the acknowledgment signal that the system will send on an E&M circuit	100-300 MSEC
11	MF/DP INT	This is the interval between sending digit. In case of DTMF signal, over the 500ms will be serviced as 100 ms.	100-9900 MSEC
12	MFR DLY TM	This is a delay time to allocate the MFR after incoming trunk is detected. This is to prevent the wrong detection of DTMF signal by noise.	0-25 SEC
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

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(Continued)

No	Item	Description	Range
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	PRS DET TM	: 0000 MSEC
CLEARING	: 2000 MSEC	RNG DET TM	: 0050 MSEC
CO SUPV TM	: 0400 MSEC	WINK TIME	: 200 MSEC
DTMF DUR.	: 0100 MSEC	MF/DP INT	: 0800 MSEC
F-DGT DELY	: 0600 MSEC	MFR DLY TIME	: 00 SEC
FLASH TIME	: 0090 MSEC	DISA ANSWR	: 01 SEC
NO RING TM	: 04 SEC	CONN DELAY	: 0000 MSEC
PAUSE TIME	: 03 SEC		

ACTION

DISPLAY

1) Press Transfer button and enter 503.
   Display shows:

```
[701] ANS.BAK TM
0600 MS →
```

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

```
[704] ANS.BAK TM
0600 MS →
```

   OR
   Select all trunks.

```
[ALL] ANS.BAK TM
0600 MS →_
```

3) Dial timer number from the list.
   OR
   Press Volume button to select timer and press Right Soft button to move cursor.

```
[704] DTMF DUR.
0100 MS →_
```

4) Enter new timer value. (must be four digits, e.g., 0200)
   System returns to step 2.

```
[704] DTMF DUR.
0100 MS → 0200
```

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

RELATED ITEMS

NONE

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[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:

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

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

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

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

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

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

RELATED ITEMS

MMC 402 TRUNK DIAL TYPE

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[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:

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

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

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

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

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

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

RELATED ITEMS

MMC 861 SYSTEM OPTIONS (AUTO UPDATE TIME)

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[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	CONFM/BARGE	A feature has been successfully activated/cleared or a Barge-In with Tone has been performed.
02	DIAL TONE	The system is ready to interpret key presses/dialed 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 RNGBACK	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.

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DEFAULT DATA

(unit: milliseconds)

TONE	ON	OFF	ON	OFF
BUSY TONE	350	350	350	350
CONFIRM/BARGE-IN	50	50	50	50
DIAL TONE	CONTINUOUS			
DND/NO MORE TONE	250	250	250	250
ERROR TONE	100	100	100	100
HOLD/CAMP-ON TONE	500	3500	500	3500
MESSAGE WAIT TONE	CONTINUOUS			
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	1000	250	1000	250

ACTION

DISPLAY

1) Press Transfer button and enter 506.
Display shows:

```
BUSY TONE
INTERRUPT TONE
```

2) Dial tone number from above list. (00-13, e.g., 09)
OR
Press Volume button to select tone, press Left Soft button and advance to step 3.

```
TRANSFER TONE
INTERRUPT TONE
```

3) Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT.
OR
Press Volume button to select tone control and press Right Soft button to advance step 4.
OR
Press Left Soft button to return to step 2.

```
TRANSFER TONE
INTERRUPT TONE
```


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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.

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

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

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.

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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 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

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[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:

   DISPLAY:
   ```
   UNIT COST PER MP
   0200 PENCE ™
   ```

2) Dial 0 or 1.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

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

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

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

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

RELATED ITEMS

MMC 110 STATION ON/OFF (CALL COST OPTION)

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[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.

> **CAUTION**
>
> **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	3000
DOOR RING	0400	0100	0400	2000
ALM RING	0200	0200	0200	2000
CBK RING	0200	0200	0200	4000

ACTION

DISPLAY

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

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

2) Dial cadence number from above list. (e.g., 3)
   OR
   Press Volume button to select
   Press Left Soft button and advance to step 3.

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

3) Dial new value for interrupt times.
   (must be four digits)
   Press Right Soft button to advance cursor.
   Press Left Soft button to retreat cursor.
   If valid entry, system returns to step 2.

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

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

RELATED ITEMS

NONE

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[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.
   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

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[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.

MM/DD: Month/Day
RP: Ring Plan
VM: VM Ring Mode depend on holiday.

DEFAULT DATA

NO HOLIDAY ASSIGNED
FOLLOWS RING PLAN 1

ACTION	DISPLAY
1) Press Transfer button and enter 512. Display shows the Ring Plan:	:MM/DD:RP:VM 01: / : :
2) Press the index number. ([1]~[60]) Press Right Soft button advance cursor.	:MM/DD:RP:VM 02:_ / : :
3) Enter the holiday. (MM/DD) Press Right Soft button advance cursor.	:MM/DD:RP:VM 02:08/09:_:
4) Press Volume button to select Ring plan and press Right Soft button enter and advance cursor. Press Right Soft button advance cursor.	:MM/DD:RP:VM 02:08/09:1:_
5) Press Volume button to select Ring mode and press Right Soft button enter and advance cursor.	:MM/DD:RP:VM 02:08/09:1:99
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 507 ASSIGN RING PLAN TIME

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[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:

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

2) Select the timer using the Volume buttons.

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

3) Enter new time using 24-hour clock format
system returns to step 2.

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

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

RELATED ITEMS

NONE

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[514] TONE SOURCE

This program can assign an external tone source (e.g., a music source) instead of the normal system 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:

   DISPLAY:
   ```
   BUSY TONE
   TONE
   ```

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.

   DISPLAY:
   ```
   DIAL TONE
   TONE
   ```

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.

   DISPLAY:
   ```
   DIAL TONE
   3762
   ```

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

RELATED ITEMS

NONE

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[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:

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

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.

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

3) Enter dates as described above.

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

4) 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
MMC 861	SYSTEM OPTIONS (AUTO UPDATE TIME)

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[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

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[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	This is the type of group you are creating and can be one of the following: 0 NORMAL: Used to assign stations in a ring group. The members can be stations, common bell contacts or Ring over Page relays. 1 VMAA: Used to group a number of voice mail port extensions. These must have been defined in MMC 207 as VMAA ports or they cannot be entered here. Check all programming in MMC 726 to ensure that the In band DTMF codes are properly set. 2 UCD: Used to build a UCD group. The system will support two methods of UCD: TYPE 1 UCD The group OVERFLOW/N-ANS destination (see below) is defined as an SLT port to which you must connect some type of announcement device to play to callers while they are on hold. Please note that this type of UCD group has the following limitations. a) The announcement device must be able to terminate the announcement with a hook-flash and a transfer back to the UCD group. b) Only one caller at a time can hear the announcement. c) Each caller connected to the announcement must hear the announcement in its entirety. d) It is possible that a new caller may 'jump ahead' in the queue if a previous caller is currently connected to the announcement device. TYPE 2 UCD The group OVERFLOW/N-ANS destination (see below) is defined as an AA port or group. This will only work if an AA card has been installed in the system. The digital announcer in the AA card will supply two recorded announcements to callers in queue. The first announcement is played only once, the second announcement will repeat for as long as the caller is in queue. This type of UCD group has the following advantages: a) No external device need be installed to provide an announcement. b) Multiple callers can hear the announcement (s) simultaneously. c) Callers hearing the announcement will be transferred to a free UCD group member (agent) as soon as the agent becomes available.

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(Continued)

No	Option	Description
0	TYPE (cont'd)	d) The callers place in queue is always maintained. Additional programming for this type of UCD group is in MMC 607. There is a maximum of 20 UCD groups available on a system due to availability of system resources. 3 AA: This is used to group a number of AA ports. An Auto Attendant (AA) card must be installed in the system to do this. 4 BI-VMS: This is the voice mail group for the Built-In Voice Mail card. 5 MESSAGE: Used to group a number of extensions to serve as a message desk or message group. When one of the stations in this type of group leaves a message to another station the messaged station will return the message to the message group so any member can answer the call. If a station is a member of more than one message group, then any message indications made by that station would be for the first numerical message group they are a member of. It is not recommended to program stations in to multiple station groups. 6 S0 STN GRP: This is used to group a number of S0 stations for a video conference. 7 VMSUCD GRP: This is used to collect UCD queuing prompts from the SVMi-20. The group members will be the VM ports. 8 MCS GROUP: This group is used to assign MCS ports for MCS conference feature. 9 IVR GROUP:: This group is used to assign IVR ports. 10 VCS GROUP:: This group is used to assign VCS ports.
1	RING MODE	Each group can have one of the following ring modes. This will decide how calls are placed to the group. 0 SEQUENTIAL: The stations listed as 'members' (see below) will be called on a 'first available' basis. Calls will first go to the first member; if the first member is busy, calls will go to the second member; if the second member is busy, calls will go to the third member, 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. 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. 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.

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(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 48 members for the system are allowed in each group, but stations can be assigned to multiple station groups.
6	NEXT HUNT	The length of time a call will ring at a station before it hunts to the next group member.
7	GROUP BUSY	When this option is set to ON, a busy signal will be sent to the caller if all group members are busy. When this option is set to OFF, the ring back tone is sent to the caller even if all group members are busy. UCD is an exception to this rule. This option only works when MMC 210 SGR INC BUSY is set to OFF. When MMC 210 SGR INC BUSY is set to ON, all station groups will follow this setting.
8	GROUP AUTO ANS	If set ON, stations will automatically answer calls to the group (when ring type is DISTRIBUTED or SEQUENTIAL)
9	ALLOUT NEXT	This is the option to designate whether to transfer the call directly to the extension (group) designated in the NEXT PORT without waiting during the OVERFLOW time when all the members of the extension group are in logged out status. (OFF/ON)
10	RBT MSG	This is used when executing the coloring service for the extension group. Enter the VMS message number which is to be used for coloring. In case of the F-STN, this operates according to the extension coloring message of the receiving group member. (0~9998, F-STN, NONE)

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 normally accommodate up to 99 members, but only up to 32 members if the RING MODE is UNCONDITIONAL.
- 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:	[501] STN.GROUP TYPE:NORMAL GRP
2) Dial group number. (e.g., 505) OR Press Volume button to select group and Press Right Soft button to move cursor.	[505] STN.GROUP TYPE:NORMAL GRP
3) Dial feature option number. (0-7, e.g., 0) OR Press Volume button to scroll options and press Right Soft button to move cursor.	[505] STN GROUP TYPE:VMAA GROUP
4) DIAL group type. (e.g., 1) OR Press Volume button to make selection and press Left Soft button to move cursor to TYPE.	[505] STN GROUP TYPE:VMAA GROUP
5) Dial feature option number. (0-6, e.g., 1) OR Press Volume button to scroll options and press Right Soft button to move cursor.	[505] STN GROUP RING:DISTRIBUTE
6) Dial ring option. (0-2, e.g., 0) OR Press Volume button to make selection. Press Left Soft button to move cursor back to RING or press Right Soft button to return to step 2.	[505] STN GROUP RING:SEQUENTIAL

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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

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

RELATED ITEMS

MMC 104	STATION NAME
MMC 404	TRUNK NAME
MMC 601	ASSIGN STATION GROUP

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[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 dialing plans. There are two different modes of operation: (1) sequential and (2) distribute.
There are 30 programmable trunk groups with up to 99 members per group. But in case of OfficeServ 7100, it is possible to assign up to 60 members per group and there are 11 programmable trunk groups.

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.

No	Item	Description
0	TYPE	Specify the type of trunk group. This option has 7 kinds of values. MIXED TRUNK: default. Associated in various kind of trunk channel NORMAL TRK ISDN TRK SIP TRK H.323 TRUNK SPNET TRUNK QSIG PRI
1	MODE	Select the way searching idle channel of trunk.
2	MEMBER	Trunk channel member You can input trunk channel corresponding trunk type. But in case of MIXED TRUNK type, It's possible to input different kind of trunk channel

DEFAULT DATA

Item	Description	
TYPE / MEMBER	9	MIXED TRUNK/LOOP, BRI, PRI trunk
	800	MIXED TRUNK/E&M, B/W
	801	ISDN TRUNK/ISDN trunk
	803	SPNET TRUNK/VoIP Networking trunk
	804	H.323 TRUNK/H.323 trunk (H323 is not used in some OfficeServ system.)
	805	SIP TRUNK/SIP trunk
	others	MIXED TRUNK/NONE
MODE	SEQUENTIAL	

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ACTION	DISPLAY
1) Press Transfer button and enter 603. Display shows:	[9] TRK GROUP TYPE:MIXED TRUNK
2) Enter valid trunk group. (e.g., 9) OR Press Volume button to make selection and press Right Soft button to advance cursor.	[9] TRK GROUP TYPE:MIXED TRUNK
3) Press Right Soft button to change mode. OR Press Volume button to change mode to member.	[9] TRK GROUP MODE: SEQUENTIAL
4) Press Right Soft button to change mode. OR Press Volume button to change mode to member.	[9] TRK GROUP MEMBER 01:NONE
5) Press Right Soft button to move cursor to number of member and enter valid member number (e.g., 05) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	[9] TRK GROUP MEMBER 05:NONE
6) Enter valid trunk number. (e.g., 729) OR Press Volume button to make selection and press Right Soft button to return to step 2.	[9] TRK GROUP MEMBER 01:729
7) Repeat steps 1-5 to remove trunk from group 9 if necessary.	
8) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

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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

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[604] ASSIGN STATION TO PAGE ZONE

Allows the technician to assign a phone to any of the five internal paging zones. Each page zone can have up to 99 members. A phone may be assigned to more than one zone.
Page zone (*) will page all external page zones as well as all phones that are members of page zone 0.

DEFAULT DATA

NO STATIONS ASSIGNED

ACTION	DISPLAY
1) Press Transfer button and enter 604. Display shows:	INT.PAGE ZONE (0) MEMBER 01:NONE
2) Enter the page zone number. (0-4, e.g., 3) OR Press Volume button to make selection and press Right Soft button to move cursor.	INT.PAGE ZONE (3) MEMBER 01:NONE
3) Enter index number (e.g., 05) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	INT.PAGE ZONE (3) MEMBER 05:NONE
4) Enter station number (e.g., 205) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	INT.PAGE ZONE (3) MEMBER 05:205
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[605] ASSIGN EXTERNAL PAGE ZONE

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

Using a MIS daughterboard

The OfficeServ 7200/7400 system should be equipped with a MIS daughterboard to allow external paging.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 605.
   Display shows first page zone:

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

2) Dial page zone number. (e.g., 6)
   OR
   Use Volume button to select desired page zone numbers and press Right Soft button to move the cursor.

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

3) Dial member number. (e.g., 3)
   OR
   Use Volume button to select member numbers and press Right Soft button to move the cursor.
   OR
   Press Left Soft button to return to step 2.

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

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.

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

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

RELATED ITEMS

NONE

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[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 (Door Phone Interface Modules) 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.
The system list can have up to 500 numbers (or 950 numbers if set in MMC 861 SYSTEM OPTIONS) and each station can have up to 50 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	DISPLAY
1) Press Transfer button and enter 606. Display shows:	FREE LIST:20 SYSTEM:20
2) Press Right Soft button to advance to next line. OR	FREE LIST:20 SYSTEM:20
You can view BUSY LIST using Volume button.	BUSY LIST:180 SYSTEM:20
3) Make a selection of SYSTEM or EXT using Volume button and press Right Soft button to advance cursor.	FREE LIST:20 EXT201:1
4) Enter desired extension number via dial keypad. (e.g., 205) OR Press Volume button to make selection and press Right Soft button to advance cursor.	FREE LIST:20 EXT205:1
5) Enter valid number for bins. (e.g., 0-5 for EXT or 00-50 for SYSTEM) OR Press Volume button to make selection. OR Press Hold button to delete bin (s).	FREE LIST:20 EXT205:5
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

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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

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[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.

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(Continued)

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

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(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

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ACTION	DISPLAY
1) Press Transfer button and enter 607. Display shows:	[530] UCD OPTION FIRST MSG :61
2) Press Volume button to select UCD group or dial group number. OR Press Left Soft button to position cursor under message number and enter new message. OR Press Right Soft button and advance to next option using the Volume buttons to select an option.	[542] UCD OPTION FIRST MSG :61 [530] UCD OPTION FIRST MSG :25 [530] UCD GROUP UCD RECALL:10 SEC
3) Press Right Soft button and advance to next option. Use the Volume buttons to make a selection. OR Make a selection using the dial keypad.	[530] UCD OPTION UCD RECALL:10 SEC
4) Press Left Soft button to enter the selection and to return to step 1. OR Press Right Soft button to return to step 3.	[530] UCD OPTION EXIT CODE :NONE
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 601 ASSIGN STATION GROUP

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[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. 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:

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

2) Enter desired EXT number. (e.g., 205)
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.

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

3) Enter valid number for bins. (e.g., 50)
   OR
   Press Volume button to make selection.
   OR
   Press Hold button to delete bin (s).

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

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

RELATED ITEMS

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

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[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. Each phone may be assigned a maximum of 50 bins.

DEFAULT DATA

PHONES: 10 BINS

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

RELATED ITEMS

NONE

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[611] ALLOW TEXT MESSAGING

This program allows stations to send text messages to other stations if they are busy or during an OHVA (Off Hook Voice Announcement).

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:

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

2) Enter the number of a station.
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.

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

3) Specify whether text messaging will be used or not.

   DISPLAY:
   ```
   [202] TMSG STN
   USED
   ```

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

RELATED ITEMS

MMC 117 EDIT TEXT MESSAGE

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[612] ALLOW GROUP CONFERENCE

This program allows a station to use the Group Conference call 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:

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

2) Enter the number of a station.
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.

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

3) Specify whether Group Conference feature can be used or not.

   DISPLAY:
   ```
   [205] CONF STN
    USED
   ```

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

RELATED ITEMS

MMC 118 CONFERENCE GROUP

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[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.

DEFAULT DATA

	type	Range
Staton Use Group	OfficeServ 7200 MCP/7200 MP20/7400	1~300
	Others	1~100
Trunk Use Group	OfficeServ 7200 MCP/7200 MP20/7400	301~500
	Others	101~200

ACTION

DISPLAY

1) Press Transfer button and enter 614.
Display shows first station:

```
STATION GROUP
201 :001
```

2) Enter 0 if you want to set a 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.

```
TRUNK GROUP
701 :301
```

3) Enter number of station/trunk.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.

```
TRUNK GROUP
702 :301
```

4) Enter the number of the use group.
OR
Press Volume button to make selection and press Right Soft button to advance cursor.

```
TRUNK GROUP
702 :302
```

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

RELATED ITEMS

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

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[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 7000 Series 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 7000 Series 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.
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
ITP PAGED: MGI1, MGI2, MGI3

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ACTION

DISPLAY

1) Press Transfer button and enter 615.
   Display shows the first available option:

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

2) Press Volume button to select an user type.
   Press Right Soft button to move cursor.

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

3) Press Volume button to select an option and press Right Soft button to move cursor.

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

4) Press Volume button to select and press Right Soft button to store data and return to step 1.

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

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

RELATED ITEMS

NONE

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[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

DISPLAY

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

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

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

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

3) Enter MGI user dial number.
   OR
   Press Volume button to select an MGI user and press Right Soft button to store and move cursor.

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

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

RELATED ITEMS

NONE

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[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 / DISPLAY

1) Press Transfer button and enter 700.
   Display shows:

```
COPY COS ITEMS
COS01→COS01
```

2) Dial selected COS to copy. (e.g., 05)
   OR
   Press Volume button to select COS and press.
   Right Soft button to move cursor and advance to next step.

```
COPY COS ITEMS
COS05→COS01
```

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

```
COPY COS ITEMS
COS05→COS06
```

4) Press F key to advance MMC 701 and press Right Soft to advance cursor.

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

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

RELATED ITEMS

MMC 701	ASSIGN COS CONTENTS

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[701] ASSIGN COS CONTENTS

Similar to MMC 700 but does not allow a copy command. This MMC is primarily used for creating a new 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) (This option may not be available in certain OfficeServ models.)

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(Continued)

No	Category	Description			
1	USABLE FEATURE	No	COS	Default	Description
		19	EXT FWD	YES	External call forward
		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 (This option may not be available in certain OfficeServ models.)
		25	GRP I/O	YES	Group in/out
		26	HOLD	YES	Hold
		27	HOTLINE	YES	Hot line and Off-hook selection
		28	INTERCOM	YES	Intercom call
		29	IPP CMG	YES	IPP Call Manager USE
		30	IPP LOUT	YES	IPP LOGOUT USE
		31	MESSAGE	YES	Message
		32	MM PAGE	YES	Meet me page
		33	MMC PSWD	NO	All MMC require password
		34	NEW CALL	YES	New call
		35	OHVAED	YES	Receive Off-hook voice announcement
		36	OHVAING	YES	Make Off-hook voice announcement
		37	ONEA2	YES	1A2 emulation
		38	OPERATOR	YES	Call to Operator
		39	OUT TRSF	YES	Outgoing transfer
		40	OVERRIDE	NO	Barge-In
		41	PAGE 0	YES	Page zone 0 Paging
		42	PAGE 1	YES	Page zone 1 Paging
		43	PAGE 2	YES	Page zone 2 Paging
		44	PAGE 3	YES	Page zone 3 Paging
		45	PAGE 4	YES	Page zone 4 Paging
		46	PAGE 5	YES	Page zone 5 Paging
		47	PAGE 6	YES	Page zone 6 Paging
		48	PAGE 7	YES	Page zone 7 Paging
		49	PAGE 8	YES	Page zone 8 Paging
		50	PAGE 9	YES	Page zone 9 Paging

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(Continued)

No	Category	Description			
1	USABLE FEATURE	No	COS	Default	Description
		51	PAGE *	YES	Page zone * Paging
		52	PICKUP	YES	Call pickup
		53	PRB	YES	Privacy Release and Bridge
		54	REM. HOLD	YES	Remote Hold
		55	RNG PLAN	YES	Ring Mode Change
		56	SECURE	YES	Barge-In secure
		57	SET RLOC	NO	Set Relocation
		58	SPK PAGE	NO	Making PAGE in Speaker Mode
		59	SSPD TOL	YES	System Speed dial toll check
		60	STN LOCK	YES	Station Lock
		61	SYS SPD	YES	System Speed dial
		62	TRK AREC	NO	Trunk call automatic record (SVM-800) (This option may not be available in certain OfficeServ models.)
		63	TRK EHLD	YES	Trunk call exclusive hold
		64	TRSF RCV	YES	Incoming call received from the outside and forwarded to
		65	UNCO CNF	YES	Unsupervised Conference
		66	VM AREC	NO	Auto Record (SVMi)
		67	VM AME	NO	Answer Machine Emulation (SVMi)
		68	VM REC	NO	Call Record (SVMi)
		69	VMS PSWD	YES	VMS password (SVM-800) (This option may not be available in certain OfficeServ models.)
		70	VMS REC	YES	VMS Call Record (SVM-800) (This option may not be available in certain OfficeServ models.)
2	CALL STATION GROUP	STN GROUP (1st-the max number of station group)		YES	1st-xxth Station group calling
3	CALL TRUNK GROUP	TRK GROUP (1st-the max number of trunk group)		YES	1st-xxth Trunk group calling
4	CALL TO BIVMS STN (SVMi).	BIVMS STN (1st-the max number of BIVMS station)		YES	1st–xxth SVMi port calling

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DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1) Press Transfer button and enter 701. Display shows:	COS CONTENTS (01) TOLL LEVEL:A
2) Dial COS. (e.g., 06) OR Press Volume button to select COS number and press Right Soft button to move cursor.	COS CONTENTS (06) TOLL LEVEL:A
3) Dial COS contents categories. (e.g., 1 for Usable Features) OR Press Volume button to select COS categories and press Right Soft button to move cursor.	COS CONTENTS (06) 00:AA CALER:YES
4) Dial COS usable feature option. (e.g., 12) OR Press Volume button to select option and press Right Soft button to move cursor.	COS CONTENTS (06) 12:DND :YES
5) Dial 0 for NO or 1 for YES. OR Press Volume button to select option and press Right Soft button to return to step 4.	COS CONTENTS (06) 12:DND :NO
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 700 COPY COS CONTENTS

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[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:

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

2) Dial index number. (e.g., 005)
   OR
   Press Volume button to select index and press Right Soft button to move cursor.

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

3) Enter toll pattern via dial keypad. (e.g., 212)

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

   OR
   Enter wild card (e.g., 21X) and press Right Soft button to move cursor to COS options.

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

4) Press Volume button to move cursor along line until under toll class mark. (e.g., E).
   Enter a 1 for 'Yes' or 0 for 'No'.
   Press Right Soft button to store and return to step 1.
   OR
   Press Left Soft button to return to step 2.

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

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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

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[703] TOLL ALLOWANCE TABLE

Provides a way to make toll restriction very easy and flexible. There are 500 allowable entries 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	DISPLAY
1) Press Transfer button and enter 703. Display shows:	`ALOW (001):BCDEFG` `:000000`
2) Dial index number. (e.g., 005) OR Press Volume button to select index and press Right Soft button to move cursor.	`ALOW (005):BCDEFG` `_ :000000`

3) Enter toll pattern via dial pad. (e.g., 202)
 	
OR
Enter wild card (e.g., 20X) and press Right Soft button to move cursor to COS options.
	`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.	`ALOW (001):BCDEFG` `202 :000100`
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

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RELATED ITEMS

MMC 702	TOLL DENY TABLE
MMC 704	ASSIGN WILD CHARACTER

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[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

DISPLAY

1) Press Transfer button and enter 704.
Display shows:

```
:0123456789*#
X:111111111111
```

2) Press Volume button to select X, Y, or Z (e.g., Z) and press Right Soft button to advance cursor to option line.

```
:0123456789*#
Z:000000000000
```

3) Press Volume button to move cursor to option digit desired (e.g., 5) and enter 1.
(put under other digits as required)
Press Left Soft button to return to step 2.
OR
Press Right Soft button to return to step 1.

```
:0123456789*#
Z:000001000000
```

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

RELATED ITEMS

MMC 702	TOLL DENY TABLE
MMC 703	TOLL ALLOWANCE TABLE

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[705] ASSIGN SYSTEM SPEED DIAL

Enables the assignment of system speed dialing numbers. There are up to 500 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 dialed. These dialed digits may consist of 0-9, and #. If the system recognizes a valid trunk or trunk group access number, it will automatically insert the separator.

NOTE: If 500 entries are allowed, the bin numbers are 500-999; 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	DISPLAY
1) Press Transfer button and enter 705. Display shows:	SYS SPEED DIAL 500:
2) Dial speed index desired. (e.g., 505) OR Press Volume button to make selection and press Right Soft button to move cursor.	SYS SPEED DIAL 505:
3) Enter access code (e.g., 9) plus the phone number up to 24 digits (digits will scroll under) and press Right Soft button to return to step 2.	SYS SPEED DIAL 505:9-121223456789
4) Press F key to toggle to MMC 706 step 3 to enter name.	SYS SPEED NAME 505:

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5) If you want to save the speed dial number and name to the CID translation table. (MMC 728)
Press the ANS/RLS button and dial 1 for YES.
(The speed dial name must exist)

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

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	DISPLAY
1) Press Transfer button and enter 706. Display shows:	SYS SPEED NAME 500:
2) Dial system speed entry number. (e.g., 505) OR Press Volume button to select entry number and press Right Soft button to move cursor.	SYS SPEED NAME 505:_
3) Enter name using dial keypad and press Right Soft button to return to step 2. OR Press the F key to return to MMC 705, step 3.	SYS SPEED NAME 505:TELECOMS SYS SPEED DIAL 505:_
4) If you want to save the speed dial number and name data to the 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.	

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RELATED ITEMS

MMC 606	ASSIGN SPEED BLOCK
MMC 705	ASSIGN SYSTEM SPEED DIAL

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[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	DISPLAY
1) Press Transfer button and enter 707. Display shows:	AUTHOR.CODE (001) C:01
2) Dial code index number. (e.g., 005) OR Press Volume button to selected index number and press Right Soft button to move cursor.	AUTHOR.CODE (005) _ C:01
3) Enter authorization code (minimum of four digits and a maximum of 10 digits) via dial keypad (e.g., 1234567890) and press Right Soft button to move cursor.	AUTHOR.CODE (005) 1234567890 C:01
4) Enter class of service number 01-30. (e.g., 05) OR Press Volume button to select COS and press Right Soft button to select and return to step 2.	AUTHOR.CODE (005) 1234567890 C:05
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 305	ASSIGN FORCED CODE
MMC 701	ASSIGN COS CONTENTS

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[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

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[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 ACCESS 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 dialing 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:

   DISPLAY:
   ```
   PBX ACCESS CODE
   1:
   ```

2) Select PBX, SPECIAL CODE, TOLL OVERRIDE or OVRD USE TRK GRP.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   TOLL OVERRIDE
   1:
   ```

3) Enter index number. (e.g., 3)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   TOLL OVERRIDE
   3:_
   ```


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4) Enter via dial keypad the desired access/feature code. (e.g., 911)
Press Right Soft button to enter and return to step 3 and enter more entries.

```
TOLL OVERRIDE
3:911
```

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

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

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

RELATED ITEMS

MMC 712 LCR ROUTE TABLE

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[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 / DISPLAY

1) Press Transfer button and enter 711.
   Display shows:

```
LCR TIME (SUN:A)
HHMM:    LCRT:-
```

2) Dial day of week. (SUN-SAT, e.g., WED)
   OR
   Press Volume button to make day selection and press Right Soft button.

```
LCR TIME (WED:A)
HHMM:    LCRT:-
```

3) Dial time band. (A-D, e.g., B)
   OR
   Press Volume button to make selection and press Right Soft button.

```
LCR TIME (WED:B)
HHMM:    LCRT:-
```

4) Dial time via keypad. (24-hour format, e.g., 0800)
   Cursor moves to LCRT. (see MMC 712)

```
LCR TIME (WED:B)
HHMM:0800 LCRT:-
```

5) Dial time table number. (1-4)
   OR
   Press Volume button to make selection and press Right Soft button.

```
LCR TIME (WED:B)
HHMM:0800 LCRT:1
```

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

RELATED ITEMS

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

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[712] LCR ROUTE TABLE

The LCR ROUTE TABLE is responsible for selecting a specific trunk group in the completion of an outward bound call. This table works in conjunction with LCR DIGIT TABLE, LCR TIME TABLE, LCR COS TABLE and LCR MODIFIED DIGITS TABLE. After you dial a valid digit string, the system uses the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum 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	DISPLAY
1) Press Transfer button and enter 712. Display shows:	LCR ROUTE (01:1) C:1 G:NONE M:---
2) Dial LCR ROUTE table number. (e.g., 05) OR Press Volume button to selected table and press Right Soft button to move cursor.	LCR ROUTE (05:1) C:1 G:NONE M:---
3) Dial TIME BAND index number 1-4. (e.g., 2) OR Press Volume button to selected index and press Right Soft button to move cursor.	LCR ROUTE (05:2) C:1 G:NONE M:---
4) Dial LCR COS number 1-8. (e.g., 4) OR Press Volume button to selected COS and press Right Soft button to move cursor.	LCR ROUTE (05:2) C:4 G:NONE M:---
5) Dial TRUNK GROUP access code. (e.g., 801) OR Press Volume button to selected access code and press Right Soft button to move cursor.	LCR ROUTE (05:2) C:4 G:801 M:---

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6) Dial MODIFY DIGITS index number. (e.g., 050)
OR
Press Volume button to selected index number and press Right Soft button to move cursor.
OR
Press Right Soft button to skip step and move cursor to step 2.

```
LCR ROUTE (05:2)
C:4 G:801  M:050
```

```
LCR ROUTE (05:2)
C:4 G:801  M:---
```

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

RELATED ITEMS

MMC 310	LCR CLASS OF SERVICE
MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 713	LCR MODIFY DIGIT TABLE

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[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 dialing string)	14
A	Append (after dialing 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.

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.

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_
```

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


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

RELATED ITEMS

MMC 310	LCR CLASS OF SERVICE
MMC 710	LCR DIGIT TABLE
MMC 711	LCR TIME TABLE
MMC 712	LCR ROUTE TABLE

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[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.

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CONDITIONS

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

DEFAULT DATA

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

ACTION

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:
```

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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

TRUNK PROGRAMMING

Refer to RELATED ITEMS in MMC 411, ASSIGN E1 SIGNAL TYPE.

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

ACTION

1) Press Transfer button and enter 715.
   Display shows:

   DISPLAY:
   ```
   PGM.MESSAGE (01)
   IN A MEETING
   ```

2) Enter message number. (e.g., 11)
   OR
   Press Volume button arrow to make selection.
   Press Right Soft button to move cursor.

   DISPLAY:
   ```
   PGM.MESSAGE (11)
   Blank Message
   ```

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.

   DISPLAY:
   ```
   PGM.MESSAGE (11)
   IN MEETING ROOM
   ```

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

RELATED ITEMS

MMC 115 SET PROGRAMMED MESSAGE

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[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: Do not 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:

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

2) Enter option number 0-3.
   OR
   Press Volume buttons to select number and press Right Soft button to move cursor.

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

3) Enter number 0-16.
   OR
   Press Volume buttons to select number and press Right Soft button to move cursor.

```
NETWORK CODE
02:_    USE:NONE
```

4) Enter network access code via dial keypad.

```
NETWORK CODE
02:1234 USE:NONE
```


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```
NETWORK CODE
02:1234 USE:CCC
```

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.

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

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[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 300 available entries in OfficeServ 7400 system and 100 available entries in OffceServ 7200/7100 system, 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:

   DISPLAY:
   ```
   AGENT PIN  (001)
   ID:    GRP:NONE
   ```

2) Dial code entry number. (e.g., 005)
   OR
   Press Volume buttons to select number and press Right Soft button to move cursor.

   DISPLAY:
   ```
   AGENT PIN  (005)
   ID:_   GRP:NONE
   ```

3) Enter ID code via dial keypad (e.g., 1234) and press Right Soft button to move cursor.

   DISPLAY:
   ```
   AGENT PIN  (005)
   ID:1234 GRP:NONE
   ```

4) Enter group number. (e.g., 505)
   OR
   Press Volume button to select group and press Right Soft button to select and return to step 2.
   OR
   Select all groups.

   DISPLAY:
   ```
   AGENT PIN  (005)
   ID:1234 GRP:505
   ```

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

RELATED ITEMS

MMC 607 UCD OPTIONS

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[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:

   DISPLAY:
   ```
   MY AREA CODE
   AREA  :
   ```

2) Enter 0 for COUNTRY or 1 for AREA.
   OR
   Press Volume buttons to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   MY AREA CODE
   AREA  :
   ```

3) Enter area code (maximum 4 digits) via dial keypad (e.g., 2) and press Right Soft button to move cursor back to step 2.

   DISPLAY:
   ```
   MY AREA CODE
   AREA  :2
   ```

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

RELATED ITEMS

TRUNK PROGRAMMING

Refer to ‘RELATED ITEMS’ in MMC 411, ASSIGN E1 SIGNAL TYPE

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[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:

   DISPLAY: `IDLE DISPLAY (01)`

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.

   DISPLAY: `IDLE DISPLAY (02)`

3) Enter guidance data via dial keypad and press Right Soft button to save and move to step 2.

   DISPLAY:
   ```
   IDLE DISPLAY (02)
   WELCOME TO ABC
   ```

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

RELATED ITEMS

MMC 120 LARGE LCD OPTIONS

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[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

DISPLAY

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

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

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.

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

3) Enter station number to copy from. (e.g., 203) and cursor returns to step 2.
   OR
   Press Volume buttons to make selection and press Right Soft button to return to step 2.

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

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

RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 721	SAVE STATION KEY PROGRAMMING
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING

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[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 / DISPLAY

1) Press Transfer button and enter 721.
   Display shows:

```
[201] SAVE KEY
RESTORE
```

2) Enter desired station number. (e.g., 205)
   OR
   Press Volume button to make selection and press Right Soft button.

```
[205] SAVE KEY
RESTORE
```

3) Press Volume button to make function selection and press Right Soft button to enter and return to step 2.

```
[205] SAVE KEY
SAVE
```

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

RELATED ITEMS

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

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[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
AB	ABSENCE
ABAND	ABANDONED CALL
ABW	AGENT BUSY/WRAP UP
ACC	ACCOUNT
AG	Answer Group (Including or excluding in a temporary answer group)
ALARM	ALARM (This option may not be available in certain OfficeServ models.)
AN/RLS	ANSWER/RELEASE
BARGE	BARGE-IN
BILL	BILL (Hotel Feature)
BLOCK	OHVA BLOCK
BOOTH	BOOTH (Hotel Feature)
BOSS	BOSS/SECRETARY
CAD	CALL ACTIVITY DISPLAY
CALL	CALL BUTTON
CAG	Control Answer Group (Making or deleting a temporary answer group)
CAMP	STATION CAMP-ON
CANMG	MESSAGE CANCEL

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(Continued)

Feature	Description
CBK	CALLBACK
CC	CALL COVERAGE
CCBS	ISDN CALL BACK
CHIN	CHECK IN (Hotel Feature)
CHOUT	CHECK OUT (Hotel Feature)
CHOICE	CHOICE (Related to News Server)
CLIP	CALLER ID
CONF	CONFERENCE
CONP	CONNECTED NAME DISPLAY
CR	CALL RECORD (Requires SVMi card)
CREDIT	CREDIT (Hotel Feature)
CS	CALL STATUS
CSNR	CALLER ID SAVE NUMBER REDIAL
DGPALM	EASY ALARM SET TO REMOTE STATION
DICT	DICTATION
DIR	DIRECTORY
DIVERT	EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK	DOOR LOCK
DND	DO NOT DISTURB
DNDO	DO NOT DISTURB OVERRIDE
DP	DIRECT PICKUP
DROP	CALL DROP
DS	DSS KEY
DT	DTS KEY
ECT	EXPLICIT CALL TRANSFER
EP	ESTABLISHED CALL PICKUP
EXTMIC	EXTERNAL MIC
FAUTO	FORCED AUTO ANSWER
FLASH	FLASH
FWRD	CALL FORWARD
GPIK	GROUP PICKUP
HDSET	HEADSET MODE
HLDPK	HOLD PICKUP
HOLD	HOLD
HOTEL	HOTEL (Hotel Feature)
ICONF	ISDN 3 PTY CONFERENCE

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(Continued)

Feature	Description
IDISC	ISDN 3 PTY DISCONNECTION
IG	IN/OUT GROUP
IHOLD	ISDN 3-PARTY HOLD
INFDSP	INFORMATION DISPLAY (Requires News/Call Plus)
INQIRE	INQUIRE
IRET	ISDN 3 PTY RETRIEVE
ISPY	CID SPY
LCR	LEAST COST ROUTING
LISTN	GROUP LISTENING
LNR	LAST NUMBER REDIAL
LOG	CALL LOGGING
MCONF	MCS Progressive Conference
MGC	MCS Predefined Conference
MJOIN	MCS Reserved Room Conference Join
MMAKE	MCS Reserved Room Conference Make
MACR	MACRO
MMPA	MEET ME PAGE ANSWER
MMPG	MEET ME PAGE
MOBEX	MOBEX
MS	MANUAL SIGNALING
MSG	MESSAGE
MUTE	MUTE
MW	MESSAGE WAIT
NEW	NEW CALL
NIGHT	TRUNK NIGHT GROUP
NND	NAME NUMBER DATE
NOCLIP	NO CID SEND
NPG	NETWORK PAGE
NS	NETWORK STATION
NXT	CID NEXT
OHVA	OFF-HOOK VOICE ANNOUNCE
OPER	OPERATOR
PAGE	PAGE
PAGPK	PICKUP PAGE HOLD
PARK	CALL PARK ORBIT
PAUSE	PAUSE

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(Continued)

Feature	Description
PMSG	PROGRAMMED STATION MESSAGE
PRB	PRIVACY RELEASE AND BRIDGE
PROG	SET PROGRAM
PTHR	PATH REPLACEMENT
RB	ROOM BILL (Hotel Feature)
REJECT	OHVA REJECT
RETRY	AUTO REDIAL ON BUSY
REVW	REVIEW
RP	RING PLAN
RSV	ROOM STATUS VIEW (Hotel Feature)
RTO	RING PLAN TIME OVERRIDE
SETDND	SET DO NOT DISTURB
SETMG	SET MESSAGE W/O RING
SG	STATION GROUP
SLOCAT	STAFF LOCATOR (Hotel Feature)
SMDR	Display/Print/Deletion of the Call Charge
SNR	SAVED NUMBER REDIAL
SP	UCD SUPERVISOR
SPD	SPEED DIAL
SPKR	SPEAKER
SSET	ISDN SUPPLEMENTARY SERVICE SET
STATE	SET EXECUTIVE STATE
STORE	STORE DISPLAYED NUMBER
SYSALM	SYSTEM ALARMS
TCLIP	Specify to Differently Send CID Calls Depending on the Type of Calls (Temporary CLIP)
TG	TRUNK GROUP
TIMER	TIMER
TP	TERMINAL PORTABILITY
TRARPT	TRAFFIC REPORT
TRSF	TRANSFER
UA	UNIVERSAL ANSWER
VG	VMS GROUP MESSAGE (Requires SVM-800) (This option may not be available in certain OfficeServ models.)
VM	VOICE MAIL MEMO (Requires SVMi card)
VMADM	VOICE MAIL ADMINISTRATION (Requires SVMi card)
VMAME	ANSWER MACHINE EMULATION (Requires SVMi card)

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(Continued)

Feature	Description
VMMSG	VOICE MAIL MESSAGE KEY (Requires SVMi card)
VMSCMT	VMS COMMENT (Requires SVM) (This option may not be available in certain OfficeServ models.)
VMSMSG	VMS MESSAGE (Requires SVM) (This option may not be available in certain OfficeServ models.)
VMSOUT	VMS OUT CALL (Requires SVM) (This option may not be available in certain OfficeServ models.)
VMSREC	VMS RECORD (Requires SVM) (This option may not be available in certain OfficeServ models.)
VMSVAC	VMS VACANT (Requires SVM) (This option may not be available in certain OfficeServ models.)
VT	VOICEMAIL TRANSFER
WAKEUP	WAKE UP (Hotel Feature)
XCHIN	EXPRESS CHECK IN (Hotel Feature)

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

1) Press Transfer button and enter 722.
   Display shows:

```
[201] KEY (MAST)
01:CALL1→
```

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

```
[205] KEY (MAST)
01:CALL1→
```

3) Enter selected key number. (e.g., 18)
   OR
   Press Volume button to select key number and press Right Soft button to move cursor.

```
[201] KEY (MAST)
18:NONE→_
```

4) Using 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.

```
[201] KEY PROG.
18:NONE (GPIK_
```

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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.

```
[201] KEY PROG.
18:NONE (GPIK03
```

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

RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 720	COPY KEY PROGRAMMING
MMC 721	SAVE STATION KEY PROGRAMMING

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[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.

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DEFAULT DATA

SEE DEFAULT DATA IN MMC 722

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

RELATED ITEMS

MMC 107	KEY EXTENDER
MMC 720	COPY KEY PROGRAMMING
MMC 721	SAVE STATION KEY PROGRAMMING

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[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 NUMB.	This is where station directory numbers are changed or assigned
01	TRK NUMB.	This is where trunk directory numbers are changed or assigned.
02	VMAA NUMB.	This is where VM/AA directory numbers are changed or assigned.
03	MISC NUMB.	This is where directory numbers for relays, MOH ports and the alarm sensor are changed or assigned.
04	MGI NUMB.	This is where MGI port directory numbers are changed or assigned.
05	S0 NUMBER	This is where directory numbers for BRI station ports are changed or assigned. (This option may not be available in certain OfficeServ models.)
06	MOBEX NUM	This is where MOBEX directory numbers are changed or assigned.
07	GROUP NUMBER	This is where station or trunk group numbers are changed or assigned.
08	FEATURE 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.
09	NETWORK NUMBER	This is where additional LCR access codes are entered if two or more OfficeServ 7000 Series systems are networked together. - LCR-xx: This codes will be translated by NTWK LCR DGT table in MMC824 - RSXXXX: This codes will be translated by REMOTE STN table in MMC868

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FEATURE NUMBERING DIAL KEYPAD

COUNT	1	2	3	4
DIAL 2	ABAND	BARGE	CAMP	-
DIAL 3	DGPALM	E-LCR1	FAUTO	-
DIAL 4	GRPK	HDSET	ICONF	-
DIAL 5	LCR	LCR	LCR	-
DIAL 6	MMPA	NEW	OHVA	-
DIAL 7	PAGE	PAGE	RB	SETDND
DIAL 8	TCLIP	UA	VMADM	-
DIAL 9	WAKEUP	WAKEUP	WAKEUP	WAKEUP

Feature Code Assignments and Default

Feature	Default	Description
ABAND	64	ABANDONED CALL
ABS	NONE	ABSENCE
ABW	NONE	AGENT BUSY/WRAP UP
ACCT	47	ACCOUNT
ALLCLR	NONE	ALL CLEAR
ALMCLR	57	ALARM CLEAR (This option may not be available in certain OfficeServ models.)
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

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(Continued)

Feature	Default	Description
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	Extended Least Cost Routing 1
E-LCR2	NONE	Extended Least Cost Routing 2
E-LCR3	NONE	Extended Least Cost Routing 3
E-LCR4	NONE	Extended Least Cost Routing 4
FAUTO	14	FORCED AUTO ANSWER
FLASH	49	FLASH
FPICK	NONE	INTERCEPTING A CONNECTING CALL
FWD	60	CALL FORWARD
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
LOGOUT	NONE	IP PHONE LOG OUT FUNCTION
MCONF	NONE	MCS Progressive Conference
MGC	NONE	MCS Predefined Conference
MJOIN	NONE	MCS Reserved Room Conference Join
MMAKE	NONE	MCS Reserved Room Conference Make

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(Continued)

Feature	Default	Description
MACR	NONE	MACRO FUNCTION
MMPA	56	MEET ME PAGE ANSWER
MMPG	54	MEET ME PAGE
MOBEX	NONE	MOBILE EXTENSION FUNCTION
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
SETMG	41	SET MESSAGE W/O RING
SIP CW	NONE	Specify Call Waiting of the Standard SIP Terminal
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	Specify to Differently Send CID Calls Depending on the Type of Calls (Temporary CLIP)
TP	NONE	TERMINAL PORTABILIY
UA	67	UNIVERSAL ANSWER

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(Continued)

Feature	Default	Description
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) (This option may not be available in certain OfficeServ models.)
VMSMSG	NONE	VMS MESSAGE (Requires SVM -800) (This option may not be available in certain OfficeServ models.)
VMSOUT	NONE	VMS OUT CALL (Requires SVM -800) (This option may not be available in certain OfficeServ models.)
VMSREC	NONE	VMS RECORD (Requires SVM -800) (This option may not be available in certain OfficeServ models.)
VMSVAC	NONE	VMS VACANT (Requires SVM -800) (This option may not be available in certain OfficeServ models.)
WAKEUP	18	WAKE UP (Hotel Feature)
WCOS	59	WORKING CLASS OF SERVICE

DEFAULT DATA

SEE DESCRIPTION
FEATURE CODES DEPEND ON COUNTRY

ACTION

DISPLAY

1) Press Transfer button and enter 724.
Display shows:

```
STN NUMB.:C1-S1
DLI-05:201 →
```

2) Dial option number to make selection. (e.g., 06)
OR
Press Volume button to make selection and press Right Soft button to advance cursor.

```
FEATURE NUMBER
ABAND:64→_
```

3) Dial first letter of feature name. (e.g., 7)
OR

```
FEATURE NUMBER
PAGE:55  →_
```

Press Volume button to make selection then press Right Soft button to advance cursor.

```
FEATURE NUMBER
PARK:NONE→_
```

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4) Enter digits (e.g., 63) via the dial keypad.

```
FEATURE NUMBER
PARK:NONE (63_
```

5) Press Right Soft button to enter change and continue to make changes.

```
FEATURE NUMBER
PARK:63  (
```

If an error message appears indicating duplication of access code, enter 1 for YES for change or enter 0 for NO for no change.

```
SAME DIAL EXIST
CHANGE?_Y:1,N:0
```

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

RELATED ITEMS

ALL MMCs

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[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	YES	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	YES	This option allows a message, IN GROUP or OUT GROUP, to be printed in the 'digits dialed' column each time a station enters or leaves a group.
07	DND CALL	YES	This option allows a message, IN DND or OUT DND, to be printed in the 'digits dialed' column each time a station enters or leaves DND.
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	YES	This option can be selected to print Caller ID data received from the Central Office on incoming calls. This option requires the use of a 132-column wide carriage printer or an 80-column printer set for condensed print.
11	ABANDON CALL	YES	If this option is set to YES, unanswered calls for which CID information was received will print on SMDR.
13	NO. OF DIAL MASK	0	If this option is set to a numeric value, the selected last digits of the number dialed field will be masked as asterisks (*) on the SMDR print out. Maximum masked digits is 18. First 4 digits will not mask.

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(Continued)

No	Option	Default	Description
15	INCOMING ANSWER	YES	If this option is set to YES, the duration of calls ringing before being answered will print on SMDR.
16	INTERCOM CALL	YES	This option determines whether intercom calls will print on SMDR.
17	KEY MMC IN/OUT	YES	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.
26	CALL INDE	NO	If set to YES the SMDR record will show Call Index.
28	INCOM CALL RESP	NO	This option determines whether incoming ISDN trunk calls will print on SMDR. Even though the called party doesn't answer, the SMDR record ('IR') will print.

ENTERING CHARACTERS

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

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS DEPEND ON COUNTRY

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

RELATED ITEMS

MMC 300	CUSTOMER ON/OFF PER STATION

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[726] VM/AA OPTIONS

This MMC is used to define all the in-band DTMF (Dual Tone Multi-Frequency) codes sent to voice mail ports.
These in-band codes can be 0-9, A, B or C, and perform two functions:

CALL AND TYPE INFORMATION

This is a DTMF Signaling string sent to a voice mail port when the voice mail port answers a call. This DTMF information tells the voice mail port what type of call it is receiving and where the call is coming from. (e.g., call forwarded from extension 225)

CALL PROGRESS TONES

These are sent to the voice mail system to provide information about the progress of the call. (e.g., ring back, busy or disconnect) Most voice mail systems can use DTMF in-band Signaling for more efficient call processing. This MMC has many parameters that can be programmed according to the type of automated attendant and/or voice mail system connected.

CALL and TYPE INFORMATION

The format of the DTMF data sent to a VM/AA port is as follows:
[CALL TYPE] + [DN1] + [SEPARATOR] + [DN2]

An example of this would be:
[FORWARD ALL] from [225] on trunk [703]

Each field can be programmed individually as follows:

Option	Description	Default
EXTENSION FOR DN1	If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN1 field indicating that a station is ringing the VMAA port. If set to no, when the voice mail auto attendant system answers a call the system will not send station data in the DN1 field.	No
TRUNK FOR DN1	If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN1 field indicating that a trunk is ringing the VMAA port. If set to no, when the voice mail auto attendant system answers a call the system will not send trunk data in the DN1 field.	No
EXTENSION FOR DN2	If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN2 field indicating the originating station of the call ringing the VMAA port. If set to no, when the voice mail auto attendant system answers a call the system will not send station data in the DN2 field.	No

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(Continued)

<table>
<tr><th>Option</th><th colspan="4">Description</th><th>Default</th></tr>
<tr><td>TRUNK FOR DN2</td><td colspan="4">If set to yes, when the voice mail auto attendant system answers a call the system will send data in the DN2 field indicating the originating trunk of the call ringing the VMAA port.
If set to no, when the voice mail auto attendant system answers a call the system will not send trunk data in the DN2 field.</td><td>No</td></tr>
<tr><td>SEPARATOR</td><td colspan="4">When both DN1 and DN2 are used, a digit defined here is sent between DN1 and DN2 so the VMAA system can determine where DN 1 stops and where DN 2 starts. The separator can be DTMF 0 through 9, *, #, A, B or C.</td><td>No</td></tr>
<tr><td>DISCONNECT SIGNAL</td><td colspan="4">This is the call progress digit sent to the VMAA port in place of a disconnect open. The digit defined here is sent three times.</td><td>C</td></tr>
<tr><td>CALL TYPE ID</td><td colspan="4">This is the DTMF digit that is sent first in the in band digit string and can identify any of the following call types.</td><td>-</td></tr>
<tr><td></td><td>No</td><td>Call Type</td><td colspan="2">Description</td><td>Default</td></tr>
<tr><td></td><td>0</td><td>DIRECT CALL</td><td colspan="2">A call originating directly from another station in the system.</td><td>1</td></tr>
<tr><td></td><td>1</td><td>ALL FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set.</td><td>2</td></tr>
<tr><td></td><td>2</td><td>BSY FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set.</td><td>3</td></tr>
<tr><td></td><td>3</td><td>NOA FWD CALL</td><td colspan="2">This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set.</td><td>4</td></tr>
<tr><td></td><td>4</td><td>RECALL</td><td colspan="2">A call is recalling the VM/AA port after being transferred and not answered.</td><td>4</td></tr>
<tr><td></td><td>5</td><td>DIR TRK CALL</td><td colspan="2">A Trunk Line call has gone directly to VM/AA. (e.g., trunk 717 DIL to VM/AA)</td><td>6</td></tr>
<tr><td></td><td>6</td><td>OVERFLOW</td><td colspan="2">A call has OVERFLOWED to the VM/AA port from a station group.</td><td>4</td></tr>
<tr><td></td><td>7</td><td>DID CALL</td><td colspan="2">A DID call has called the VM/AA port.</td><td>8</td></tr>
<tr><td></td><td>8</td><td>MESSAGE CALL</td><td colspan="2">A message button or message reply feature code has been used to call the VM/AA port.</td><td>9</td></tr>
</table>

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(Continued)

<table>
<tr><th>Option</th><th colspan="3">Description</th><th>Default</th></tr>
<tr><td>PROGRESS TONE ID</td><td colspan="3">These are the DTMF codes that is sent to the VMAA port in place of regular progress tones. For example, when a VMAA port goes off hook to originate or transfer a call, instead of hearing normal dial tone, it will hear DTMF ‘BA’. Progress tones can greatly increase the efficiency of a VMAA system because it is easier and quicker to detect DTMF than a busy, ring back or DND tone. Progress tones can identify any of the following.</td><td></td></tr>
<tr><td></td><td>No</td><td>Call Type</td><td>Description</td><td>Default</td></tr>
<tr><td></td><td>0</td><td>DIAL TONE</td><td>Dial Tone</td><td>No</td></tr>
<tr><td></td><td>1</td><td>BUSY TONE</td><td>Busy Tone</td><td>No</td></tr>
<tr><td></td><td>2</td><td>RINGBAK TONE</td><td>Ringback Tone</td><td>No</td></tr>
<tr><td></td><td>3</td><td>DND NO MORE</td><td>DND or No More Call Button Error</td><td>No</td></tr>
<tr><td></td><td>4</td><td>HDSET ANSWER</td><td>Off Hook Answer</td><td>No</td></tr>
<tr><td></td><td>5</td><td>SPKER ANSWER</td><td>On Hook Answer</td><td>No</td></tr>
<tr><td>CALLER ID NUMBER</td><td colspan="3">If set to YES, when the voice mail auto attendant system answers a call the system will send Caller ID data as DTMF tones to the VMAA port.</td><td>No</td></tr>
</table>

GENERAL RULES

1) 201 is talking to a trunk and presses TRANSFER plus the station number, but the station is forwarded to VM/AA and VM/AA answers. When this happens, if 201 presses TRANSFER again to return to the trunk, the VM/AA port is not on hold. It is disconnected.
2) A VM/AA port leaves a message indication for a station. When the station returns the message, any available port in the VM/AA group should ring, not only the one that left the message.
3) A VM/AA port leaves a message for a station. When the station returns the message, the MESSAGE LED is not automatically turned off. If a VM/AA system turns on the MESSAGE LED, the VM/AA system must turn it off.
4) If DTMF call progress tones are not enabled, the system sends regular call progress tones.
5) When a VM/AA port calls a station that is in the AUTO ANSWER or VOICE ANNOUNCE mode, the phone will be forced to ring.
6) All calls to a VM/AA port or group ring with Trunk line ringing cadence, not intercom ring cadence.

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EXAMPLES OF VM/AA OPERATION (IN-BAND DTMF DIGIT STRING)

In the following example, all call and type data is turned on unless otherwise stated.
X is the separator digit, all-default values are used in these examples and [ ] is not used.

A DIL 701 calls a VM/AA port or group:
[1] + [701] + [ ] + [ ]

In the above example, if Trunk Line information is not used:
[ ] + [ ] + [ ] + [ ] (Nothing is used)

DIL 701 calls a call-forwarded station (205):
[2] + [205] + [X] + [701]

In the above example, if forward information is not used:
[ ] + [205] + [X] + [701]

In the above example, if forward and DN2/Trunk Line information is not used:
[ ] + [205] + [ ] + [ ]

DIL 701 calls group 501 that overflows to VM/AA:
[4] + [501] + [x] + [701]

In the above example, if overflow information is turned off:
[ ] + [ ] + [ ] + [ ] (Nothing is sent)

A DID call rings the VM/AA directly:
[B] +[9999] +[ ] +[ ]
9999 are the DID digits from Trunk Line

In the above example, if did information is turned off:
[ ] + [9999] + [ ] + [ ]

A station transfers (blind or screened) a call (Trunk Line, DID or intercom) to VM/AA group or port. When the transferring station hangs up (blind transfer):
[ ]+[ ]+[ ]+[ ] (Nothing is sent)

A station (202) transfers a Trunk Line call (702) to a station (225) that is Call Forward All to a VM/AA group or port. When the transferring station hangs up (blind transfer) and the VM/AA group or port answers:
[2] + [225] + [x] + [702]

A station (202) transfers a Trunk Line call (702) to a group (501) that overflows to a VM/AA group or port:
[4] + [501] + [X] + [702]

In the above example, if overflow information is turned off:
[ ] + [ ] + [ ] + [ ] (Nothing is sent)

A station (205) calls a VM/AA port or group:
[1] + [205] + [ ] + [ ]

In the above example, if direct information is turned off:
[ ] + [ ] + [ ] + [ ] (Nothing is sent)

A station (205) calls using MESSAGE key:
[9] + [205] + [ ] + [ ]

In the above example, if message information is turned off:
[ ] + [ ] + [ ] + [ ] (Nothing is sent)

A call (702) recalls back from station 225 to the VM/AA group:
[4] + [225] + [x] + [702]

In the above example, if recall and DN2/CO information are turned off:
[ ] + [ ] + [ ] + [ ] (Nothing is sent)

DEFAULT DATA

SEE DESCRIPTION
SOME OPTIONS DEPEND ON COUNTRY

PROGRAM BUTTONS

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

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ACTION

DISPLAY

1) Press Transfer button and enter 726.
   Display shows:

```
EXT FOR DN1
YES
```

2) Enter the OPTION number from the above list.
   (e.g., 3)
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
TRK FOR DN2
NO
```

3) Enter 1 for YES or 0 for NO.
   OR
   Press Volume button for selection and press Right Soft button to return to step 2.

```
TRK FOR DN2
YES
```

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

RELATED ITEMS

MMC 207 ASSIGN VM/AA PORT

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[727] SYSTEM VERSION DISPLAY

This MMC is used for system version display only. (READ ONLY) The displays depend on which cards are installed in the system.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 727.
   Display shows:

   DISPLAY
   ```
   MCP VERSION
   '05.03.16 V2.44
   ```

2) Press Volume button to show other cards, e.g.,:

   LCP CARD

   ```
   LCP VERSION
   '05.01.20 V2.43
   ```

   DLI CARD
   Cabinet and Slot shown:

   ```
   C2-S2:16 DLI
   NO VERSION DATA
   ```

   SLI CARD
   Cabinet and Slot shown:

   ```
   C2-S3:16 SLI
   NO VERSION DATA
   ```

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

RELATED ITEMS

NONE

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[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.

ENTERING CHARACTERS

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

DEFAULT DATA

NONE

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

RELATED ITEMS

MMC 312	ALLOW CALLER ID
MMC 608	ASSIGN REVIEW BLOCK

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[731] AA MESSAGE

This MMC allow to discard the recorded messages and select the language for playing and recording messages.
Following figure is shown available language for AA in each country.

No	Language	Country
00	ENGLISH/US	America
01	KOREAN	Korea
02	SPANISH/CASTILL	Castilian
03	FRENCH	Canada
04	DANISH	Denmark
05	DUTCH	Holland
06	GERMAN/AUSTRIA	Austria
07	ITALIAN	Italy
08	PORTUGUESE	Portugal
09	RUSSIAN	Russia
10	SPANISH/SPAIN	Spain
11	SWEDISH	Sweden
12	ENGLISH/UK	UK
13	ENGLISH/AUSTRAI	Australia
14	GERMAN/GERMANY	Germany
15	FINNISH	Finland
16	GREEK	Greece

NOTE

MMC [731]

This option may not be available in certain OfficeServ models.

CONDITION

NONE

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ACTION	DISPLAY
1) Press Transfer button and enter 731. Display shows:	CLEAR AA MSG MSG01 :NO
2) Press Right Soft button to move cursor. Press Volume buttons to select the message that you want to delete. Or select all messages.	CLEAR AA MSG MSG01 :NO
3) If you want to delete the selected message, press Volume button and select YES.	CLEAR AA MSG MSG01 :YES
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	CLEAR AA MSG ARE YOU SURE?YES

RELATED ITEMS

MMC 732	AA TRANSLATION TABLE
MMC 733	AA PLAN TABLE
MMC 735	AA USE TABLE
MMC 736	AA MESSAGE MATCH
MMC 739	ASSIGN AA MOH

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[732] AA TRANSLATION TABLE

AA translation tables are responsible for routing calls based on digits dialed.
There are 12 translation tables available. Each table can be assigned to one or more plans in MMC 733 Auto Attendant Plan Programming. A translation table consists of a number of 100 entries. Each entry number has two fields to program: the first field is for the digits received by the caller and the second field is for the destination or action.

The destination field can be a station number, station group or another plan. Plans are entered by pressing special key A plus two digits 01-12. If a voice mail group is entered, the call will be transferred to the voice mail system with the appropriate in band digit packet to indicate a Forward All call from the station number dialed by the caller.

The digits defined in the first field of this MMC **[dialed digits]** must be a valid station number.

If the digits programmed as a destination are a voice mail port the voice mail port will receive an in band packet of DTMF equal **to [FWD from EXTENSION NUMBER DIALED]**.

There are a number of special characters that are used in translation tables.
They are as follows:

- **[*]**: Used to represent any digit.
- **[Pxx]**: (Special Key A) Plan. Used to assign a plan as a destination (P01-P12)
- **[B]**: (Special Key B) Buffer. When used in the destination field, transfers the call to the same extension as the digits dialed by the caller.
- **[C]**: (Special Key C) Change greeting or Ring Plan
- **[S]**: **(**Special Key E) System Speed Dial Number. Used to assign a System Speed Dial number as a destination.

DESTINATION:
Consider the following entry examples.

Digits	Dest	Comments
0	0	Caller will be transferred to 0.
2**	B	If a caller dials any three digit extension number beginning with 2, the call will be transferred to the extension number dialed.
48#2	C	If a caller dials 48#2, the current plan's greeting may be changed. 48#2 is essentially a special passcode for changing the current greeting or ring plan.
1	526	If a caller dials 1, the call will be transferred to group 526.
5	P08	If a caller dials 5, the call will be transferred to plan 08.

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NOTE

Number conflicts like 2 and 23 or 56 and 567 are allowed in translation table programming. In these cases, the system will compare received digits from AA card after AA TRANS time and transfer to the proper destination.

NOTE

MMC [732]

This option may not be available in certain OfficeServ models.

CONDITION

NONE

DEFAULT DATA

Table 01	Entry
001	0 → 500 (or 0 → 5000)
002	2** → B (or 2*** → B)
003	3** → B (or 3*** → B)
004	5** → B (or 5*** → B)
005	8*** → B
006	9 → P03

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ACTION	DISPLAY
1) Press Transfer button and enter 732. Display shows:	AA TRANS TB (01) 001:0 →500
2) Enter transfer table number. (**[01]-[12]**) Press Volume button to make selection and press Right Soft button to move cursor.	AA TRANS TB (01) 001:0 →500
3) Enter the entry number. (**[001]-[100]**) Press Volume button to make selection and press Right Soft button to move cursor.	AA TRANS TB (01) 001:0 →500
4) Input access digit.	AA TRANS TB (01) 001:223 →500
5) Input routing destination. Press Volume button to make selection and press Right Soft button to move cursor.	AA TRANS TB (01) 001:223 →B
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED MMC

MMC 731	AA MESSAGE
MMC 733	AA PLAN TABLE
MMC 735	AA USE TABLE
MMC 736	AA MESSAGE MATCH
MMC 739	ASSIGN AA MOH

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[733] AA PLAN TABLE

Used to program each AA plan. A plan is a module that processes a call. There are twelve plans available in each AA card. Each plan can route a caller to any group, extension or another plan. Each port can answer calls with a different plan as defined in MMC 735.

AA messages can be as follows:

Message	Description
MESSAGES 01-48	These can be created using the AAREC Soft button (programmed on phones by using MMC 722 or 723). A total of two minutes of message time is available.
MESSAGES 49-64	These are pre-programmed as follows: (The announcement may be different according to the AA MSG ROM) 49 'Thank you for calling, please dial your party's extension number'. 50 'Invalid number, please try again'. 51 'I'm sorry, there is no answer'. 52 'I'm sorry, that station is busy'. 53 'One moment please'. 54 'Transferring'. 55 'I'll transfer you'. 56 'Good-bye'. 57 'Thank you'. 58 'Please hold for the operator'. 59 'Please hold for assistance'. 60 'Thank you, good-bye'. 61 'I'm sorry, all stations are presently busy'. 62 'I'm sorry, all stations are still busy'. 63 'Please call back later'. 64 'I'm sorry, not a valid selection'.

This MMC includes options to select messages to play to a caller. These messages can be as follows:

No	Option	Description
00~05	PLAN MSG1~6	This is the message that will be heard by the caller when the AA port answers a call if the telephone system is in a particular ring mode or if another message has been selected by the AA administrator.
06	ALTER MSG	This is the message that will be heard by the caller when the AA port answers a call if this message has been selected by the AA administrator.

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(Continued)

No	Option	Description
07	INVLID MSG	Determines what message will play if the caller dials invalid digits repeatedly until the retry counter expires. Invalid digits are digits not contained in the translation table for this plan. The invalid message will repeat for the value contained in the retry counter.
08	NO ANS MSG	Determines what message will play if the caller is recalled to the AA port because of a no answer.
09	XFER MSG	Determines what message will play if the caller is transferred.
10	BUSY MSG	Determines what message will play if the caller selects a busy station.
11	NO STN MSG	Determines what message will play if the caller dials an invalid extension (not installed). This retry message will repeat for the value contained in the retry counter. See Retry Count.
12	NO ACT MSG	Determines what message will play if the caller does not act.
13	CAMP ON	Determines if calls will be transferred to busy stations. Calls transferred to busy stations will be camped-on. The default value is OFF.
14	ANS DELAY	Sets how many rings will occur before this plan answers a call. The default value is 01 second.
15	RETRY CNT	Determines how many selection errors a caller may make before being transferred to the invalid digits destination. In case of no action, will not follow this option.
16	TRANS TABLE	Determines what translation table this plan will use. (see MMC 732 AA TRANSLATION TABLE) The default value is same number of plan number.
17	BUSY DEST	Determines the destination for the call if the selected destination is busy. This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12.
18	NO ANS DEST	Determines the destination for the call if the selected destination does not answer. This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12.
19	NO ACT DEST	Determines the destination for the call if the caller makes no response (this is also the destination for rotary dial callers). This can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12.
20	INVLID DEST	Determines the destination for the call if the caller dials invalid digits after the retry counter has expired. This destination can be another station, station group or plan. Plans are entered by pressing A button plus two digits 01-12.

NOTE

MMC [733]

This option may not be available in certain OfficeServ models.

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CONDITION

NONE

DEFAULT DATA

Option	Value
PLAN MSG1~6	49
ALTER MSG	49
INVLID MSG	64
NO ANS MSG	51
XFER MSG	53
BUSY MSG	52
NO STN MSG	50
NO ACT MSG	59
CAMP ON	OFF
ANS DELAY	1 sec
RETRY CNT	03
TRANS TABLE	01
BUSY DEST	500 (or 5000)
NO ANS DEST	500 (or 5000)
NO ACT DEST	500 (or 5000)
INVLID DEST	500 (or 5000)

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ACTION

DISPLAY

1) Press Transfer button and enter 733.
   Display shows:

```
AA PLAN PROG (01)
PLAN MSG1:49
```

2) Enter the number of option table. (**[01]-[12]**)

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

```
AA PLAN PROG (01)
PLAN MSG1:49
```

3) Enter the option. (**[00]-[20]**)

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

```
AA PLAN PROG (01)
ALTER MSG:49
```

4) Enter the data for option.

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

```
AA PLAN PROG (01)
ALTER MSG:02
```

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

RELEATED DATA

MMC 731	AA MESSAGE
MMC 732	AA TRANSLATION TABLE
MMC 735	AA USE TABLE
MMC 736	AA MESSAGE MATCH
MMC 739	ASSIGN AA MOH

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[735] AA USE TABLE

Determines what plan will answer each call. Each AA is assigned a specific plan and each AA group assigned in MMC 601 is assigned a specific plan. When a call is received by an AA port, the appropriate plan will answer the call depending on the port or group that was called.

> **NOTE**
>
> **MMC [735]**
>
> This option may not be available in certain OfficeServ models.

CONDITION

NONE

DEFAULT DATA

PLAN NO: 01

ACTION

1) Press Transfer button and enter 735.
   Display shows:

2) Enter port or group number of AA
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

3) Enter number of option table. (**[01]-[12]**)

   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

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

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

```
[305] AA PLAN
PLAN NO:12
```

RELATED MMC

MMC 731	AA MESSAGE
MMC 732	AA TRANSLATION TABLE
MMC 733	AA PLAN TABLE
MMC 736	AA MESSAGE MATCH
MMC 739	ASSIGN AA MOH

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[736] AA MESSAGE MATCH

It is possible to make 48 customized recordings on the AA ports of the AA card.
For instructions on how to create these recordings, see User Instructions, Auto Attendant and Uniform Call Distribution System Administration.

It is important to understand the difference between recordings and messages.
For example, you have customized recording 01 as 'Thank you for calling' and you have customized recording #02 as 'One moment please'. By default, message 01 is recording 01. When message 01 is selected as part of AA or UCD programming, the caller hears 'thank you for calling' (recording 01). When message 02 is selected, the caller hears 'one moment please' (recording 02). If you need a new message that says 'thank you for calling, one moment please,' you can record this as recording 03 and play it as message 03 but this uses some of the RAM storage on the AA card.
An easier way is to link recordings 01 and 02 to produce message 03.

This is the purpose of this MMC. We simply tell the system that message 03 equals recording 01 plus recording 02. In this MMC, the top line of the phone display indicates a message number and the bottom line indicates the recording numbers.

MMC [736]

This option may not be available in certain OfficeServ models.

CONDITION

When using **[AAPLAY]** button for playing recorded message, this configuration of message combination is not applied. Only first one message is played.

ACTION

DISPLAY

1) Press Transfer button and enter 736.
Display shows:

```
AA MSG MATCH (01)
01
```

2) Enter messge entry number (**[01]**-**[64]**).

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

```
AA MSG MATCH (01)
01
```

3) Enter message number for composition (**[01]**-**[64]**)

If the number of message is under 5, press Right Soft button after finishing digit input.

```
AA MSG MATCH (01)
11+12+13+14+15
```


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

RELATED MMC

MMC 731	AA MESSAGE
MMC 732	AA TRANSLATION TABLE
MMC 733	AA PLAN TABLE
MMC 735	AA USE TABLE

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[739] ASSIGN AA MOH

Used to define what message 01-48 plays as a Music on Hold (MOH) source if selected in MMC 309 or 408. This message will repeat continuously. Only the last AA port on an AA card can be used as a MOH source. This MMC assigns a message number to the last port of each card.

CONDITIONS

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

DEFAULT DATA

NONE

ACTION DISPLAY

1) Press Transfer button and enter 739.
   Display shows:

```
[3958]SET AAMOH
MOH MSG:NOT USE
```

2) Enter AA port number.
   OR
   Press Volume button to select a AA port and press Right Soft button to move cursor.

```
[3958]SET AAMOH
MOH MSG:NOT USE
```

3) Enter AA MOH message number.
   Press Volume button to select a AA MOH number and press Right Soft button to save and return step 2.

```
[3958]SET AAMOH
MOH MSG:33
```

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

RELATED ITEMS

MMC 309	ASSIGN STATION MUSIC ON HOLD
MMC 408	ASSIGN TRUNK MOH SOURCE
MMC 607	UCD OPTIONS
MMC 736	AA MESSAGE MATCH

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[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

   DISPLAY:
   ```
   [201] PRIMARY
   SECONDARY:NONE
   ```

2) Enter the primary station number via dial Keypad. (e.g., 201)
   OR
   Use Volume button to select and press Right Soft button.

   DISPLAY:
   ```
   [201] PRIMARY
   SECONDARY:NONE
   ```

3) Enter the secondary station number via dial Keypad. (e.g., 205)
   OR
   Use Volume button to select and press Right Soft button.

   DISPLAY:
   ```
   [201] PRIMARY
   SECONDARY:205
   ```

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

RELATED ITEMS

MMC 102	CALL FORWARD
MMC 301	ASSIGN STATION COS
MMC 310	LCR CLASS OF SERVICE

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[746] COSTING DIAL PLAN

The COSTING DIAL PLAN is used to analyze the leading dialed digits of a dialed 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 dialed 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 dialed. For example, if a user dials 1305 and the COSTING DIAL PLAN contains 1, 1308 and 1312, the dialed 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 dialed, 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 dialed and this MMC contains entries 1, 13, 1305 and 1401, the closest match is 1305 and this will be selected. If 1305 is dialed 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∗∗.

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DEFAULT DATA

NONE

ACTION	DISPLAY
1) Press Transfer button and enter 746. Display shows:	COST DP (001) DIGIT:
2) Dial CALL COST entry. (e.g., 005) OR Press Volume button to select entry and press Right Soft button to move cursor.	COST DP (005) DIGIT:_
3) Enter digit string via the dial keypad and press Right Soft button.	COST DP (005) DIGIT:1305
4) Enter DIAL PLAN 1-8. (e.g., 8) OR Press Volume button to select dial plan and press Right Soft button to save and return to step 2.	COST DP (005) CALL RATE: 8
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 433	COST RATE
MMC 747	RATE CALCULATION TABLE

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[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 INTERVAL 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 INTERVAL 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
```


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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] SVM SYSTEM

This MMC is used for the Samsung Built-In Voice Mail card.

There are four options available in this MMC:

No	Option	Description
0	SVM AUTO SETUP	When the Built-In Voice Mail card starts, part of the power up procedure will download data from the system to determine time, date, what mailboxes to create, and system numbering plan. This must be done at least once, but once done this download feature can be turned NO to save boot up time.
1	RESTART SVM	If this option is set to YES the Built-In Voice Mail card will immediately restart according to the download OPTION specified above. (This option may not be available in certain OfficeServ models.)
2	SVM TYPE	This option is determine which type of VMS will be used among SVM CARD, SVM-400, IP-UMS, MP-SVM. (This option may not be available in certain OfficeServ models.)
3	DOWNLOAD OPTIONS	This option is determine which type of Tel number will be download VM.

No	Option	Description
00	STATION NAME	This option is determine whether download station name or not.
01	DLI/SLI	This option is determine whether download DLI/SLI tel number or not.
02	DESKTOP ITP	This option is determine whether download IP phone tel number or not.
03	WiFi PHONE	This option is determine whether download WiFi phone tel number or not.
04	SIP PHONE	This option is determine whether download SIP phone tel number or not.
05	VIR DLI/SLI	This option is determine whether download VIR DLI/SLI tel number or not.
06	S0 TERMINAL	This option is determine whether download BRI S0 tel number or not.
07	SPNET STN	This option is determine whether download SPNET STN tel number or not. (In case of MMC824 MBX option is YES, it will be download)
08	MOBEX STN	This option is determine whether download MOBEX STN tel number or not.
09	STN GROUP	This option is determine whether download STN GROUP tel number or not.

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(Continued)

No	Option	Description
10	PSTN TRUNK	This option is determine whether download PSTN TRUNK tel number or not.
11	VOIP TRUNK	This option is determine whether download SIP TRUNK tel number or not.
12	SPNET TRUNK	This option is determine whether download SPNET TRUNK tel number or not.

NOTE

Removing Built-In Voice Mail Card

If during any test procedures you need to run the system with a default database and power up with options set to YES, the Built-In Voice Mail database will be overwritten according to the data in MMC 751 and the default numbering plan. If you plan this type of test, remove the Built-In Voice Mail card until the procedure is finished and the customer database is reloaded.

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 (**[00]~[12]**) button to make selection and press Right Soft button.

4) Press (NO: 0, YES: 1) for download.

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

DISPLAY

```
SVM AUTO SETUP
YES
```

```
DOWNLOAD OPTIONS
STATION NAME: YES
```

```
DOWNLOAD OPTIONS
DESKTOP ITP: YES
```

```
DOWNLOAD OPTIONS
DESKTOP ITP:NO
```

RELATED ITEMS

MMC 751 USER OPTIONS

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[751] USER OPTIONS

This MMC is for assigning download option of station/group number and mailbox. Download option has 4 values, NONE, EXT, MBX, BOTH. BOTH value means that both extension number and mailbox are downloaded.

CONDITIONS

NONE

DEFAULT DATA

No	Type of USER Group	Download Option	Group of SVM
0	DLI/SLI	BOTH	01
1	DESKTOP ITP	NONE	01
2	WiFi PHONE	NONE	01
3	SIP PHONE	NONE	01
4	VIR.DLI/SLI	NONE	01
5	S0 TERMINAL	NONE	01
7	MOBEX STN	NONE	01
8	STN GROUP	EXT	01

ACTION

DISPLAY

1) Press Transfer button and enter 751.
   Display shows:.

```
DLI/SLI    :201
MAKE:BOTH GRP:01
```

2) Selet the port type.
   OR
   Press Volume button to scroll the number and press Right Soft button to move cursor.

```
DLI/SLI    :201
MAKE:BOTH GRP:01
```

3) Enter the Sync option (NONE:0, EXT:1, MBX:2, BOTH:3).
   Press Volume button to make selection and press Right Soft button to save.

```
DLI/SLI    :201
MAKE:BOTH GRP:01
```

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

RELATED ITEMS

MMC750 SVM SYSTEM

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[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

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[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

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[754] VM HALT

This MMC is only used for the Samsung Built-In Voice Mail card or embeded VM in case of OfficeServ 7030, 7070, 7100, 7200 MP20S system. It is used to halt the Voice Mail card or embeded VM.
If you want to halt embeded VM, it needs to restart the system. And 'Restart' will be displayed in STATUS option instead of 'PROC' it is impossible to halt VM module only (take it offline).

DEFAULT DATA

OfficeServ 7400 / 7200 MCP / 7200 MP20 System: PROC (process)
Others: Restart

ACTION

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

```
VM HALT
STATUS:PROC
```

2) Enter 1 to HALT or 0 to PROC
   OR
   Press Volume button to select.

```
VM HALT
STATUS:PROC
```

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

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

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

RELATED ITEMS

NONE

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[755] VM ALARM

This MMC is only used for the Samsung Built-In Voice Mail card or embeded VM.
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

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[756] ASSIGN VMMOH

This MMC is only used for the Samsung Built-In Voice Mail card or embeded VM.
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., 225. This will dedicate the port for use only as MOH and remove it from group 529 or 549. Now 225 will show up as a valid music source in MMCs 308, 309 and 408.
Each Music-On-Hold source assigned here requires one Voice Mail port.

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

If the first Built-In Voice Mail port is used for VMMOH, it must be disabled before boot up since Built-In Voice Mail Card and the system use port 1 during boot up to exchange critical information. For this reason we suggest you use the last port as VMMOH ports.

DEFAULT DATA

NOT USED

ACTION

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

   DISPLAY:
   ```
   SET VMMOH
   209: NOT USED
   ```

2) Dial VM number. (e.g., 215)
   OR
   Press Volume button to make a selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   SET VMMOH
   215: NOT USED
   ```

3) Enter VM message number. (e.g., 25)
   OR
   Press Volume button to make a selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   SET VMMOH
   215: 25
   ```

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

RELATED ITEMS

NONE

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[757] VM IN/OUT

This MMC is only used for the Samsung Built-In Voice Mail Card or embeded VM.
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	DISPLAY
1) Press Transfer button and enter 757. Display shows:	VM IN/OUT 209 : IN/OUT
2) Dial VM number. (e.g., 215) OR Press Volume button to make a selection and press Right Soft button to move cursor.	VM IN/OUT 215 : IN/OUT
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.	VM IN/OUT 215 : IN
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[758] VM DAY/NIGHT

This MMC is only used for the Built-In Voice Mail card or embeded VM. User can select one of 1~99 ring modes. The card 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:

   DISPLAY:
   ```
   VM DAY/NIGHT
   RING 1: 01
   ```

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

   DISPLAY:
   ```
   VM DAY/NIGHT
   RING 3: 01
   ```

3) Enter voice mail ring mode (**[01]~[99]**)
   OR
   Press Volume button to make a selection and press Right Soft button to save and move cursor.

   DISPLAY:
   ```
   VM DAY/NIGHT
   RING 3: 04
   ```

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

RELATED ITEMS

MMC 507	ASSIGN RING PLAN TIME

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[759] CLI RINGING

This MMC assigns a specific CLI number received from the central office to a specific ring plan destination. Also allows you to reject a specific CLI 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 CLI 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 CLI

DEFAULT DATA

NONE

<table>
<tr><th>Option</th><th colspan="2">Description</th></tr>
<tr><td>CLI</td><td colspan="2">CLI number to be received from the central office. Up to 16 digits may be entered.</td></tr>
<tr><td>REJ</td><td colspan="2">CLI call reject option. When this sets YES, if a call comes that matched CLI number and CLI field then the system will be reject call.</td></tr>
<tr><td>PRI</td><td colspan="2">CLI 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 CLI number so that calls from a high priority CLI 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.</td></tr>
<tr><td>R1: XXX, R2: XXX,
R3: XXX, R4: XXX,
R5: XXX, R6: XXX</td><td colspan="2">Ring plan and destination during each ring plan. The destination can be a station, station group.</td></tr>
<tr><td rowspan="3">TONE</td><td colspan="2">Ring Tone options for a specific CLI at DGP/ITP. (NO, 1~8)</td></tr>
<tr><td>No</td><td>Calls will ring with the phone users choice of ring frequency.</td></tr>
<tr><td>1~8</td><td>Calls from the programmed CLI number will ring phones with this ring frequency.</td></tr>
<tr><td rowspan="3">CAD</td><td colspan="2">Ring Cadence options for a specific CLI Number at SLT’s (NO, 1~5)</td></tr>
<tr><td>No</td><td>Calls will ring with the normal SLT ring cadences.</td></tr>
<tr><td>1~5</td><td>Calls from the programmed CLI number will ring SLT’s with this ring cadence.
1: intercom ring, 2:CO ring, 3: DOOR ring, 4:ALARM, 5:CALLBACK</td></tr>
</table>

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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

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[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 dialed. 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

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ACTION	DISPLAY
1) Press Transfer button and enter 760. Display shows:	ITEM CODE (00) NAME:RM Deposit
2) Enter valid code number (e.g., 02) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	ITEM CODE (02) NAME:
3) Enter item name (e.g., ROOM COST) via keypad.	ITEM CODE (02) NAME: ROOM COST
4) Press Right Soft button to move cursor to tax entries.	ITEM CODE (02) TAXES:00000000
5) Enter the tax rates that apply to this item ('1' selects each rate) and press Right Soft button to return to step 2.	ITEM CODE (02) TAXES:11000000
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 761 TAX RATE SETUP

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[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 / DISPLAY

1) Press Transfer button and enter 761.
   Display shows:

```
TAX RATE    (1)
TYPE:% VAL:00.00
```

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.

```
TAX RATE    (2)
TYPE:% VAL:00.00
```

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.

```
TAX RATE    (2)
TYPE:C VAL:00.00
```

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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

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[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 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 outgoing 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:

   DISPLAY:
   ```
   (001)IN DIGIT
   ```

2) Dial Table number 001-200.
   OR
   Press Volume button to select Table number and press Right Soft button to move cursor.

   DISPLAY:
   ```
   (001)IN DIGIT
   ```

3) Enter IN DIGIT maximum 16 digits, and press Right Soft button to move cursor.

   DISPLAY:
   ```
   (001)IN DIGIT
   1234
   ```

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)OUT DIGIT
   _
   ```


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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

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[764] DISA PASSWORD

This is the program to enable the DISA incoming call without entering the DISA password according to the CLI number of the incoming call to the DISA trunk line.
It is available to designate 500 CLI numbers, and if the DISA call is received to the CLI number corresponding to the entered CLI number, it is available to make a call without entering the password although the MMC210 DISA PSWD is designated as ON.

CONDITIONS

None

DEFAULT DATA

None

ACTION

1) Press the Transfer button and the 764.

```
DISA PASS  (001)
CLI:
```

2) Enter the table number ([001]-[500]).
Otherwise, select the table number by the Volume button.
Move the cursor by pressing the Right soft button.

```
DISA PASS  (001)
CLI:
```

3) Enter the CLI number within maximum 16 digits, and move the cursor by pressing the Right soft button.

```
DISA PASS  (001)
CLI: 1234
```

4) Press the Transfer button to complete the procedure or press the Speaker button to store the data.

RELATED ITEMS

Program 210	Designate the system On/Off.
Program 410	Extension DISA service

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[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	DISPLAY
1) Press Transfer button and enter 800. Display shows:	ENABLE TECH.PROG PASSCODE:
2) Enter passcode.	ENABLE TECH.PROG PASSCODE:****
Correct code shows:	ENABLE TECH.PROG DISABLE TENANT:1
Incorrect code shows:	ENABLE TECH. PROG PASSCODE ERROR
3) Enter 1 to enable or 0 to disable. OR Press Volume button to select and press Right Soft button to move tenant number and enter tenant number (1-2).	ENABLE TECH.PROG ENABLE TENANT:1
4) Press Speaker button to advance to MMC entry level.	801:TEC.PASSCODE SELECT PROG.ID
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.	

RELATED ITEMS

MMC 801 CHANGE TECHNICIAN PASSCODE

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[801] CHANGE TECHNICIAN PASSCODE

Used to change the passcode which allows access to MMC 800, Enable Technician Program, from its current value.

CONDITIONS

The passcode is four characters long. Each character can be digits 0-9. The current or old passcode is required for this MMC.

DEFAULT DATA

DEFAULT PASSCODE: 4321

ACTION	DISPLAY
1) Press Transfer button and enter 801.	TECH. PASSCODE NEW CODE:_
2) Enter new passcode.	TECH. PASSCODE NEW CODE:****
3) Enter new passcode again.	TECH. PASSCODE VERIFY :****
4) If passcode is correct, press Right Soft key to continue and enter desired MMC.	TECH. PASSCODE VERIFY :SUCCESS
If passcode is incorrect.	TECH. PASSCODE VERIFY :FAILURE
System returns to step 2.	TECH. PASSCODE NEW CODE:****
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 800 ENABLE TECHNICIAN PROGRAM

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[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:

   DISPLAY:
   ```
   CUST.USE MMC:1
   100:STN LOCK:YES
   ```

2) Enter desired tenant number (1-2) via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   CUST.USE MMC:1
   100:STN LOCK:YES
   ```

3) Enter desired MMC number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   CUST.USE MMC:1
   102:CALL FWD:YES
   ```

4) Enter 1 for YES or 0 for NO via dial keypad.
   OR
   Press Volume button to make selection and press Left Soft button to return to step 3 to make additional entries.

   DISPLAY:
   ```
   CUST.USE MMC:1
   102:CALL FWD:NO
   ```

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

RELATED ITEMS

NONE

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[803] ASSIGN TENANT GROUP

Allows the assignment of tenant groups on a per-cabinet, slot and port basis. The simple rule is Cabinet-Slot-Port = Tenant. The simplicity of this program allows for flexible assignments. The only information needed is the correct correlation of entries.

DEFAULT DATA

ALL ASSIGNMENTS: TENANT 1

ACTION	DISPLAY
1) Press Transfer button and enter 803. Display shows:	TENANT GROUP C:1 S:1 -01 T:1
2) Enter cabinet number. (if no change press Right Soft button to move cursor.)	TENANT GROUP C:1 S:1 –01 T:1
3) Enter slot number. (if no change press Right Soft button to move cursor.)	TENANT GROUP C:1 S:2 -01 T:1
4) Enter port number. (if no change press Right Soft button to move cursor.)	TENANT GROUP C:1 S:2 -03 T:1
5) Enter tenant number. (if no change press Right Soft button to return to step 2)	TENANT GROUP C:1 S:2 -03 T:2
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[804] SYS I/O MODE

This is the program to designate the MODEM port of the system.

SERVICE: Service type

Number	Service Type	Description
00	NOT USE	Not using
01	IT	IT, Remote Programming

BAUD RATE: Transmission time

Option	Setting Value
0	4800 bps
1	9600 bps
2	19200 bps
3	38400 bps

CHAR LENGTH: Length of the characters

Option	Setting Value
7	7 bits
8	8 bits

PARITY: Parity bit

Option	Setting Value
0	NONE
1	ODD
2	EVEN

RETRY COUNT: Number of retry attempts (01~99)

STOP BIT: Stop bit

Option	Setting Value
1	1 bit
2	2 bit

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WAIT: MESSAGE WAIT time (0000-3600 sec)

DSR CHECK: DATA SET READY

Option	Setting Value
0	OFF
1	ON

CONDITIONS

NONE

DEFAULT DATA

Item	PORT1
SERVICE	IT
BAUD RATE	19200 bps
CHAR LENGTH	8 bits
PARITY	NONE
RETRY COUNT	3
STOP BIT	1 bit
WAIT	30 s
DSR CHECK	OFF

ACTION

DISPLAY

1) Press the Transfer button and the 804.

```
SYS I/O PORT (2)
SERVICE:PCMMC
```

2) Enter the input/output port number (**[2]**, **[3]**, **[5]**).
OR
Press the Volume button to select the input/output port and press the Right soft button to move the cursor.

```
SYS I/O PORT (2)
SERVICE:PCMMC
```

3) Enter the option number (**[0]**-**[7]**).
OR
Press the Volume button to select the option and press the Right soft button to move the cursor.

```
SYS I/O PORT (2)
SERVICE:PCMMC
```

4) Enter the data.
OR
Press the Volume button to select the data and press the Left soft button to move the cursor.

```
SYS I/O PORT (2)
SERVICE:ALARM
```


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5) Press the Transfer button to store the data and complete the procedure or press the Speaker button to store the data and execute the programming process for the next program.

RELATED ITEMS

Program 725	Designate the option for the call information output.

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[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. (This option may not be available in certain OfficeServ models.)
2	TSW GAIN CONTROL	Adjusts the tone sensitivity. There are 11 types of matrix connections of the T-Switch that adjust the tone sensitivity. If the gain value of each trunk channel is configured in MMC421, this option is ignored.
3	CID TYPE/LEVEL	Adjusts the CID type and TX/RX Gain - TYPE: CID TYPE control. (BELLCORE/ETSI) - RX LEVEL: TX gain control (0 – 20) - TX LEVEL: RX gain control (-6 – 0) - DOWNLOAD: download adjusted CID TYPE and TX/ TX gain to SP

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

SOME OPTIONS DEPEND ON COUNTRY

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.

DISPLAY

```
TX LEVEL CONTROL
LEVEL 0→0
```

```
TX LEVEL CONTROL
LEVEL 1→1
```


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3) (When the TX LEVEL CONTROL is selected)
   a. Select the desired volume level via dial keypad.
      OR
      Press Volume button to go to the next volume level and press Right Soft button.

```
TX LEVEL CONTROL
LEVEL 1→1
```

   b. Enter desired volume data via dial keypad.
      OR

```
TX LEVEL CONTROL
LEVEL 1→3
```

4) (When the MISC TSW GAIN is selected)
   a. Enter desired MISC/BGM TSW gain via dial keypad.
      OR
      Press Volume button to select desired MISC/BGM TSW gain and press Right Soft button.

```
MISC TSW GAIN
BGM/MOH:0
```

5) (When the TSW GAIN CONTROL is selected)
   a. Select the TX TWS connect type via dial keypad.
      OR
      Press Volume button to go to the next TX TSW connect type and press Right Soft button.

```
TSW GAIN CONTROL
SLT→DGP:+0.0
```

   b. Select the RX TSW connect type via dial keypad.
      OR
      Press Volume button to go to the next RX TSW connect type and press Right Soft button.

```
TSW GAIN CONTROL
SLT→ATRK:+0.0
```

   c. Enter desired TSW gain control data via dial keypad.
      OR
      Press Volume button to scroll data and press Right Soft button.

```
TSW GAIN CONTROL
SLT→ATRK:+1.9
```

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

RELATED ITEMS

NONE

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[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.

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.

DEFAULT DATA

NONE

ACTION	DISPLAY
1) Press Transfer button and enter 806. Display shows:	C:1-S:1 8 DLI→8 DLI
2) Enter cabinet number via dial keypad. (e.g., 1) OR Press Volume button to make selection and press Right Soft button.	C:1-S:1 8 DLI→8 DLI
3) Enter slot number via dial keypad. (e.g., 6) OR Press Volume button to make selection and press Right Soft button.	C:1-S:6 16 DLI→16 DLI
4) 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 RESET CARD ? NO
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.	

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RELATED ITEMS

MMC 724 DIAL NUMBERING PLAN

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[807] PHONE VOLUME CONTROL

Allows the system administrator to set phone volume levels.

Type	No	Phone volume type
All phone type except for WIP and FX	0	KEY TONE VOL
	1	SIDETONE VOL
	2	HANDSET TX
	3	MIC TX LEVEL
	4	NOISE GUARD
	5	NOISE THRES
	6	ALC THRES
	7	TX/RX THRES.
	8	TX/RX COMP
	9	MIN RX VOL
WIP	0	SIDETONE VOL
	1	HANDSET TX
	2	MIC TX LEVEL
	3	HEADSET TX
FX	0	LINE VOLUME
	1	SPEAKER VOLUME
	2	NOR.LP ATTEN
	3	MIC LP ATTEN
	4	ACOU DECOUPL
	5	ELEC DECOUPL
	6	T/R RATIO
	7	R/T RATIO

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.

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DEFAULT DATA

DEPENDS ON PHONE TYPE

ACTION	DISPLAY
1) Press Transfer button and enter 807. Display shows:	VOL.CONTROL:US24 KEY TONE VOL:1
2) Enter phone type via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	VOL.CONTROL:EU24 KEY TONE VOL:1
3) Enter volume item via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	VOL.CONTROL:EU24 SIDETONE VOL:1
4) Enter volume data via dial keypad. OR Press Volume button to make selection and press Right Soft button to save and return to step 3.	VOL.CONTROL:EU24 HANDSET TX :6
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[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:

   DISPLAY:
   ```
   HALT/PROCESSING
   C:ALL S:ALL→PROC
   ```

2) Enter cabinet selection via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.
   OR
   Select all cabinets and slots. (and go to step 4)

   DISPLAY:
   ```
   HALT/PROCESSING
   C:1  S:ALL→PROC
   ```

   DISPLAY:
   ```
   HALT/PROCESSING
   C:ALL S:ALL→PROC
   ```

3) Enter slot number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to advance cursor.

   DISPLAY:
   ```
   HALT/PROCESSING
   C:1  S:2→PROC
   ```

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.

RELATED ITEMS

NONE

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[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 Media read.
1	CLEAR MEMORY	System reset and make default system with Media read.

DEFAULT DATA

NONE

ACTION

DISPLAY

1) Press Transfer button and enter 811.
Display shows:

```
SYSTEM RESTART
RESET SYSTEM?NO
```

2) Enter reset type (0-2) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
SYSTEM RESTART
CLEAR MEMORY?NO
```

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

```
SYSTEM RESTART
CLEAR MEMORY?YES
```

4) Dial 1 for YES or 0 for NO.
OR
Press Volume button to make selection and press Right Soft button.

```
SYSTEM RESTART
ARE YOU SURE?YES
```

5) If clear memory, system will return with default time and date and default extension number.
OR
If system just restarted, it will return to normal programmed status.

RELATED ITEMS

NONE

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[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 SYSTM
ARE YOU SURE?NO
```

RELATED ITEMS

MMC 811 RESET SYSTEM

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[813] HOTEL OPERATION

Allows the installing technician to enable the HOTEL feature.

DEFAULT DATA

DISABLE

ACTION	DISPLAY
1) Press Transfer button and enter 813. Display shows:	HOTEL OPERATION DISABLE
2) Dial 1 for ENABLE or 0 for DISABLE. OR Press Volume button to make selection and press Right Soft button.	HOTEL OPERATION ENABLE
3) Dial 1 for YES or 0 for NO. OR Press Volume button to make selection and press Right Soft button.	HOTEL OPERATION CHANGE NOW ? NO
4) Dial 1 for YES or 0 for NO. OR Press Volume button to make selection and press Right Soft button.	HOTEL OPERATION ARE YOU SURE?YES
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

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

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[815] CUSTOMER DATABASE COPY

This enables the on-board SYStem DataBase (SYSDB) to be copied to the Media Card Database (MCDB) and also allows the MCDB to be copied to the SYSDB. A daily save can be programmed to automatically save the SYSDB 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 SYSDB is copied to it. When the SYSDB is copied to the MCDB there is no interruption in service. If the MCDB is copied to the SYSDB, the system will reset to accept the new data.

MCDB (Media card database)

Option	Description
S:mm/dd/yy hh:mm	Indicates the time SYSDB was saved to the MCDB.
CLEAR MCDB	Clear MCDB.
COPY TO SYS.	Copy MCDB to SYSDB.

SYSDB (on-board system database)

Option	Description
S:mm/dd/yy hh:mm	Indicates the time the SYSDB was last saved.
COPY TO MCDB	Copy SYSDB to MCDB.
DAILY SAVE hh:mm	The time the SYSDB will be saved to the MCDB.

A Media Card

A Media Card must be installed in order to copy the on board system database (SYSDB) on to the Media card (MCDB).

DEFAULT DATA

DAILY SAVE 00:00 (no daily save)

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ACTION	DISPLAY
1) Press Transfer button and enter 815. Display shows:	CUST DBASE: MCDB S:12/01/01 00:00
If the Media card is in use, the display shows:	CUST DBASE: MCDB MEDIA 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 MCDB: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

[816] CONFERENCE GAIN

Adjusts the gain level for conference calls.

MMC [816]

This option may not be available in certain OfficeServ models.

When changing the MMC [816]

'MMC [816] CONFERENCE GAIN' is not to correct low volume. To be used with the support of local SAMSUNG Electronics Co. distributor.

DEFAULT DATA

YES

ACTION

1) Press Transfer button and enter 816.
   Display shows:

2) Press Volume button to select YES or NO and press Right Soft button to move cursor.

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

DISPLAY

```
CONFERENCE GAIN
USE DEFAULT: YES
```

```
CONFERENCE GAIN
USE DEFAULT: YES
```

RELATED ITEMS

NONE

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[817] STOP MEMORY

This function is for memory UNMOUNT, before restart system,

No	Field	Description
0	STOP MEDIA	Memory UNMOUNT in SD Card. (This option may not be available in certain OfficeServ models.)
1	STOP MEMORY	Memory UNMOUNT in SD Card and NAND Flash.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 817.
   Display shows:

```
STOP MEMORY
STOP MEMORY? NO
```

2) Press Volume button to select Yes/No and press Right Soft button to move cursor.

```
STOP MEMORY
STOP MEMORY? NO
```

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

```
STOP MEMORY
STOP MEMORY? YES
```

4) Press Volume button to select YES and press Right Soft button to move cursor.

```
STOP MEMORY
ARE YOU SURE?NO
```

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

RELATED ITEMS

NONE

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[818] PROGRAM DOWNLOAD

Change the system version by selecting and downloading the new version of MP cared stored on the Media card. Further upgrade firmware of other cards (LP40/LCP and TEPRI/TEPRIa/TEPRI2 cards, etc) by selecting stored file on Media card.

Refer to the description of stored each file in MMC819.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 818.
   Display shows:

   DISPLAY:
   ```
   PGM DOWNLOAD
   MCP:MPE08301.PGM
   ```

2) Press Volume button to select program type and press Right Soft button to move cursor.

   DISPLAY:
   ```
   PGM DOWNLOAD
   LP4:LP450824.PGM
   ```

3) Press Cabinet number (1~3) to download program.

   DISPLAY:
   ```
   LP40 PGM:C1
   DOWNLOAD NOW?NO
   ```

4) Press Volume button to select YES and press Right Soft button to move cursor.

   DISPLAY:
   ```
   LP40 PGM:C1
   DOWNLOAD NOW?YES
   ```

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

RELATED ITEMS

NONE

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[819] MEDIA CARD FILE CONTROL

Displays the size (in bytes) of various system program files on the Media card.
Also allows deletion of a file by selecting the file and pressing the HOLD key if system is not OfficeServ 7100.

Files included in Media are described below

OfficeServ 7400/OfficeServ 7200(MCP, MP20)

File Name	Description
STARTUP.INI	If a user designate an MP40/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.
STARTUP.PRE	Startup file for OfficeServ 7200 system booting.
MPEVxxxx.PGM/ MPPSVxxx.PGM	Program for MP40/MCP card. Since the MP40/MCP program is not installed on the MP40/MCP card itself, at least one MP40/MCP program must be included in Media Card to start the system.
LP4Vxxxx.PGM/ LPPVxxxx.PGM	LP40/LCP program. The LP40/LCP program is installed on the card itself. The one included in Media Card is used for software version upgrade.
PR2xxxxx.PGM	TEPRI2 program. The TEPRI2 program is installed on the card itself. The one included in Media Card is used for software version upgrade
PRIxxxxx.PGM	TEPRI program. The TEPRI program is installed on the card itself. The one included in Media Card is used for software version upgrade.
DATABASE.ENT/ DATABASE.SME	This file is created in Media Card when SYSDB is saved to SMDB by MMC 815. Initially not included, this file is created only when SMDB is created by MMC 815.

Others

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.
MSaaVbbb.pkg	MSP driver program This program must be included in MC card to start the system.
CSaaVbbb.pkg	MSP driver program This program must be included in MC card to start the system.
APaaVbbb.pkg	Application program. MP and VM module is included in this package.
DRaaVbbb.pkg	This package includes SP, MGI and other drivers.
RDaaVbbb.pkg	RAMDISK program
WSaaVbbb.pkg	WEB UI program

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(Continued)

File Name	Description
RTaaVbbb.pkg	Router program
vm_l_xxx.tar	VM prompt
PRI	TEPRI program. The TEPRI program is installed on the card itself. The one included in Media Card is used for software version upgrade.
PRI2	TEPRI2 program. The TEPRI2 program is installed on the card itself. The one included in Media Card is used for software version upgrade
Tone_db.inf	Tond DB file for MGI and VM

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 819.
   Display shows:

2) Press Volume button to select program type and press Hold button to move cursor delete Selection.

3) Dial 1 for YES or 0 for NO.
   OR
   Press Volume button to make selection and press Right Soft button to delete file and move cursor step 2.

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

DISPLAY

```
STARTUP.INI
sz:512 bytes
```

```
MPE08301.PGM
sz:14418432 bytes
```

```
MPE08301.PGM
DELETE FILE? NO
```

RELATED ITEMS

NONE

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[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.

Option	Description
LINK ID	System ID for networking feature.
SIGNAL G/W	System IP address for VoIP networking.
TIME SYNC	System Time and date can be updated by QSIG Call
NODE NAME	System Node Name for VoIP networking
NO MGI	No: Use MGI as of old, Yes: Don't use MGI (This option can be shown in case that MMC 861 'MPS SERVICE' set to ENABLE)
CODEC	Preferentially used CODEC for SPNET

CONDITIONS

'SELF' represents self-node, and must be set to use the networking function. Items other than 'SELF' are used for station numbers and can be omitted.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 820.
   Display shows:

   DISPLAY: `SELF:LINK ID`

2) Enter SELF link ID via dial keypad and press Right Soft button.

   DISPLAY:
   ```
   SELF:LINK ID
   11
   ```

3) Press Volume button to select other link ID and press Right Soft button to mover cursor.

   DISPLAY: `SYS01:LINK ID`

4) Enter other link ID via dial keypad and press Right Soft button.

   DISPLAY:
   ```
   SYS01:LINK ID
   22
   ```

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

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RELATED ITEMS

MMC 821	ASSIGN NETWORK TRUNK
MMC 823	ASSIGN NETWORK COS
MMC 824	NETWORK DIAL TRANSLATION
MMC 830	LAN PARAMETERS

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[821] ASSIGN NETWORK TRUNK

Assigns the Q-Signaling PRI trunk for networking and let the Q-Signaling PRI trunk be linked with other PBX systems. It is assigned data on a per-TEPRI card basis.

Option	Description
NORMAL TRUNK	Assigns the normal PRI turnk.
QSIG TRUNK	Assigns the Q-Signaling PRI trunk for networking between OfficeServ Systems
QSIG BASIC 1	Assigns the Q-Signaling PRI trunk for networking between OfficeServ System and the other system. It supports only basic functions
QSIG BASIC 2	Assigns the Q-Signaling PRI trunk for networking between OfficeServ System and the other system. It can support caller name.

DEFAULT DATA

NORMAL

ACTION

1) Press Transfer button and enter 821.
   Display shows:

   DISPLAY:
   ```
   [701] Q-SIG TRK
   NORMAL TRUNK
   ```

2) Enter first trunk number of PRI card.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

   DISPLAY:
   ```
   [701] Q-SIG TRK
   NORMAL TRUNK
   ```

3) Enter 0 for NORMAL TRUNK, or 1 for QSIG TRUNK
   or 2 for QSIG BASIG 1 or 3 for QSIG BASIC 2.
   OR
   Press Volume button to make selection and press Right Soft button to save and move cursor.

   DISPLAY:
   ```
   [701] Q-SIG TRK
   QSIG TRUNK
   ```

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

RELATED ITEMS

NONE

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[822] VIRTUAL EXTENSION TYPE

Assigns the virtual extension port type. The virtual extension port types are followed:

No	Type	Description
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:

DISPLAY
```
[3501]PORT TYPE
SLT
```

2) Enter virtual extension number.
OR
Press Volume button to make selection and press Right Soft button to move cursor.
OR
Select all ports.

```
[3501] PORT TYPE
SLT
```

```
[ALL] PORT TYPE
SLT
```

3) Enter virtual extension type.
OR
Press Volume button to make selection and press Right Soft button to save and move cursor.

```
[3501] PORT TYPE
SLT
```


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

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

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ACTION	DISPLAY
1) Press Transfer button and enter 823. Display shows:	NETWORK COS (01) 01:CALL OFFER:Y
2) Dial the class of service number. (01-30) OR Press Volume button to select and press Right Soft button to move cursor.	NETWORK COS (02) 01:CALL OFFER:Y
3) Dial the feature number. OR Press Volume button to select and press Right Soft button to move cursor.	NETWORK COS (02) 03:CC PATH RSV:Y
4) Enter 0 for NO, or 1 for YES. OR Press Volume button to select YES or NO and Press Right Soft button to store data.	NETWORK COS (01) 03:CC PATH RSV:N
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 301 ASSIGN STATION COS

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[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 ('LCR-01' parameter in NETWORK NUMBER 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:	01:601→ SIZE:0 MAX:00
2) Dial the entry number. OR Press Volume button to select and press Right Soft button to move cursor.	01:601→_ SIZE:0 MAX:00
3) Enter digit string for access to node (max. 8 digits) and press Right Soft button to move cursor.	01:601→60201 SIZE:0 MAX:00
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.	01:601→60201 SIZE:3 MAX:00
5) Enter max. number of digits system will dial. OR Press Volume button to select and press Right Soft button to move cursor.	01:601 (60201 SIZE:3 MAX:08
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 (60201 DISP:N MBX:N

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7) Enter YES/NO to assign Mailbox to remote extension automatically.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
01:601 (60201
DISP:Y  MBX:N
```

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

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[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 dialed 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 SIGNALING

ACTION

1) Press Transfer button and enter 825.
   Display shows:

```
ADD NUMB TO NAME
YES
```

2) Dial the option number.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
USE REMOTE VM
NO
```

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.

```
USE REMOTE VM
YES
```


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

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.

ACTION

DISPLAY

1) Press Transfer button and enter 826.
   Display shows:

```
REFERENCE CLOCK
PRIORITY 1:C1-S3
```

2) Dial the priority number. (1-6)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
REFERENCE CLOCK
PRIORITY 1:C1-S3
```

3) Dial the priority data.
   OR
   Press Volume button to select and Press Right Soft button to store.

```
REFERENCE CLOCK
PRIORITY 1:C1-S3
```

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

RELATED ITEMS

NONE

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[827] CRM DSP MODE SELECT

This MMC can assign CRM DSP mode. CRM D-Board can be operated one mode of DTMFR, R2MFC, CID.
OfficeServ 7400 allows to configure the mode per DSP in CRM D-Board.
On the other hand, OfficeServ7200 allows to configure the mode per CRM D-Board.
If there is not CRM Board in LP40 or MCP, MP20, displays 'NO CRM'.
This option may not be available in certain OfficeServ models.

Type	Option
OfficeServ7400	C:1-LOC:1-DSP:1 DTMFR → DTMFR
OfficeServ7200	CRM DSP MODE SET C1-B1: DTMFR

CONDITION

CRM board must be equiped in LP40 or MPC, MP20.

DEFAULT DATA

DSP1: DTMFR, DSP2: DTMFR

ACTION

1) Press Transfer button and enter 827.
   Display shows:

   DISPLAY
   ```
   C:1-LOC:1-DSP:1
   DTMFR  →DTMFR
   ```

2) Dial the cabinet number. (1-3)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

   ```
   C:1-LOC:1-DSP:1
   DTMFR  →DTMFR
   ```

3) Dial the LOC number. (1-2)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

   ```
   C:1-LOC:1-DSP:1
   DTMFR  →DTMFR
   ```

4) Dial the DSP number. (1-2)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

   ```
   C:1-LOC:1-DSP:1
   DTMFR  →DTMFR
   ```

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5) Dial digit to select CRM mode. (0-2)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
C:1-LOC:1-DSP:1
DTMFR  →DTMFR
```

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

RELATED ITEMS

NONE

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[828] RCM2 DSP MODE SELECT

RCM2 D-Board is operated one mode of R2/CID, R2 only, CID only, B'd TYPE
This MMC can assign RCM2 DSP mode.

CONDITION

RCM2 board must be equiped in LCP.

MMC [827]

This MMC is only shown in OfficeServ 7200. OfficeServ 7200 only supports RCM2 D-Board.

DEFAULT DATA

R2/CID

ACTION

DISPLAY

1) Press Transfer button and enter 828.
Display shows:

```
R2MFC/CID SELECT
C1-B1 :R2/CID
```

2) Dial the cabinet number. (1-2)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
R2MFC/CID SELECT
C2-B1 :R2/CID
```

3) Dial the LOC number. (1-3)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
R2MFC/CID SELECT
C2-B1 :R2/CID
```

4) Dial digit to select RCM2 mode. (0-2)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
R2MFC/CID SELECT
C2-B1 :R2 ONLY
```

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

RELATED ITEMS

NONE

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[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	0.0.0.0	The IP address of the LAN printer
06	PRINTER TCP	09100	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	LETTER	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

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ACTION

DISPLAY

1) Press Transfer button and enter 829.
   Display shows:

```
[01] DATA TYPE
SMDR
```

2) Enter type of data to be printed.
   OR
   Press Volume button to select the type and press the Right Soft button to move the cursor.

```
[02] DATA TYPE
UCD REPORT
```

3) Enter the item number.
   OR
   Press Volume button to select the item and press the Right Soft button to move the cursor.

```
[02] PRINTER IP
200. 1. 1. 1
```

4) Select the data.
   OR
   Press Volume to select the data and press Right Soft button to move the cursor.

```
[02] PRINTER IP
168.219. 83.101
```

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

RELATED ITEMS

NONE

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[830] LAN 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	SYS PUBLIC IP1	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'.
06	SYS PUBLIC IP2	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'.
07	SYS PUBLIC IP3	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.
09	SYSTEM IP VERS	Specify the system IP address is IPv4/Ipv6 (This option may not be available in certain OfficeServ models.)
13	DATA SERVER IP	IP address of Data Server (This option may not be available in certain OfficeServ models.)

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(Continued)

No	Parameter	Description
14	IP-UMS SERVER	Specify an IP UMS SERVER IP address. (This option may not be available in certain OfficeServ models.)
15	IP-UMS PORT	Specify an IP UMS SERVER port. (This option may not be available in certain OfficeServ models.)
16	IP-IVR SERVER	Specify an IP IVR SERVER IP address. (This option may not be available in certain OfficeServ models.)
17	IP-IVR PORT	Specify an IP IVR SERVER port. (This option may not be available in certain OfficeServ models.)
18	MASTER/SLAVE IP	Specify an Slave (extension Rack) IP address in OS7030. (This option may not be available in certain OfficeServ models.)
19	MMS PORT	IP address of NMS TRAP Server (This option may not be available in certain OfficeServ models.)
21	NMS TRAP SERVER	IP address of NMS TRAP Server (This option may not be available in certain OfficeServ models.)
22	CTI SERVER ADDR	IP address of CTI Server
25	NEWS ADDRESS	IP address of News Server
26	EMAIL SERVER	Specify an EMAIL SERVER IP address. (This option may not be available in certain OfficeServ models.)
27	MMS SERVER ADDR	Specify an MMS SERVER IP address. (This option may not be available in certain OfficeServ models.)
28	MMS WEB SERVER	Specify an MMS WEB SERVER IP address. (This option may not be available in certain OfficeServ models.)
29	IMPS SERVER ADDR	Specify an IMPS SER SERVER IP address. (This option may not be available in certain OfficeServ models.)
30	QoS CHECK SERVER	Specify a QoS CHECK SERVER IP address. (This option may not be available in certain OfficeServ models.)

NOTE

LAN 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 MP 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 must be used if there are ITP phones and/or MGI cards on the system.
- After changing LAN parameters, restart the system to apply the new settings.

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ACTION	DISPLAY
1) Press Transfer button and enter 830. Display shows the system IP address.	SYSTEM IP ADDR 165.213. 97.185
2) Press Volume button to make selection and Press Right Soft button to move cursor.	SYSTEM IP ADDR 165.213. 97.185
3) Using the keypad, enter 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.	SYSTEM IP ADDR 192.168.001.010
4) Press Volume button to make selection and Press Right Soft button to move cursor.	SYSTEM GATEWAY 165.213. 97. 1
5) Using the keypad, enter 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.	SYSTEM GATEWAY 192.168.001.001
6) Press Volume button to make selection and press Right Soft button to move cursor.	SYSTEM RESTART ARE YOU SURE? NO
7) Press Volume button to make selection and press Right Soft button to store and move cursor.	SYSTEM RESTART ARE YOU SURE? NO
8) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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[831] MGI PARAMETERS

This MMC provides network configuration of the MGI/OAS 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	LOCAL RTP	Specifies local rtp port The default value is 30000 and the value range is between 10000 and 60000. If you use MPS function, the value must be not duplicated with MMC861 MPS local rtp port. This option is only shown in case of installed MGI 64/MGI16 card
5	CARD RESET	Reboots MGI card.
6	PUB IP1	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830.
7	PUB RTP1	Public RTP Port which NAT system binds a private RTP port with
8	PUB IP2	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830.
9	PUB RTP2	Public RTP Port which NAT system binds a private RTP port with
10	PUB IP3	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830.
11	PUB RTP3	Public RTP Port which NAT system binds a private RTP port with
12	QOS MONIT.	Specifies use of QOS. This option is only shown in case of installed MGI card. (not supportted MGI16/ 64)
13	MAC ADDR	Displays the MAC address of an MGI card This option is only shown in case of installed MGI64/MGI16 card.
14	IP VERSION	Specifies MGI IP version is Ipv4 / Ipv6. (This option may not be available in certain OfficeServ models.)

If MP-MGI port (the embedded MGI) is selected, IP ADDRESS, GATEWAY, SUB MASK, CARD RESET parameters can not be set in this MMC because these parameters and the system values are the same. The system values can be referred in MMC830

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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.

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

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[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 (000~250): 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 4 entries (1~4).

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 or alpha-numeric characters are available.
1	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 dialed digits.
2	DGT LENGTH	This field requests the number of digits that are expected to be received to make up the whole access code.
3	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.
4	IP TABLE 1	This is the first table referenced for routing the access code to an IP address. The system has 251 IP tables (000~250) with 4 entries (1~4) 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 2. IP address searching would start at entry 2.
7	SERVER USE	When using H.323 trunking, this option specifies the use of GateKeeper for the corresponding access (This option is applied only when GK ROUTING is enabled in program 836.) It is also used when using SIP trunking. When using SIP trunking via SIP proxy/SIP server (as with the case of a SIP provider), this option should be set to YES to enable. When enabled, SIP trunking will follow settings in MMC 837 and MMC 832/833 will not be used. If using SIP trunking to another SIP gateway (SIP peering), then this option should be set to NO to disable it. If disabled, then mmc 832/833 will be applied and mmc 837 will not be applied.

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ENTERING ACCESS DGT

The characters which are related to VoIP are limited. So it is different to entering special characters in normal case. Refer to the below.

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	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	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:
!, $, %, &, *, (,), _, +, ?, -, =, ., /, ;

DEFAULT DATA

ACCESS DGT: NONE
INSERT DGT: NONE
DGT LENGTH: 1
DEL.LENGTH: 1
IP TABLE 1: 00
IP START: NONE
SERVER USE: NO

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ACTION	DISPLAY
1) Press Transfer button and enter 832. Display shows the outbound and first access code.	(O:00)ACCESS DGT 0
2) Enter 0 for O (outbound) or 1 for I (inbound) code table. OR Press Volume button to make selection and press Right Soft button to move cursor.	(O:00)ACCESS DGT 0
3) Enter access code table number (000-250) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	(O:01)ACCESS DGT 1
4) Enter access code item (0-6) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	(O:01)ACCESS DGT 1
5) Enter access code data via dial keypad. OR Press Volume button to make selection and press Right Soft button to save and move cursor.	(O:01)ACCESS DGT 840
6) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 833	VOIP IP TABLE
MMC 834	H.323 OPTIONS
MMC 836	H.323 GATEKEEPER OPTIONS
MMC 837	SIP OPTIONS

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[833] VoIP IP TABLE

This MMC provides the IP addresses in tables pointed to by the VoIP code entry (MMC 832). There are 251 tables with up to 4 entries each. The destination IP address is required to route dialed digits based on the access code and digits dialed. The IP entry field is divided into 4 sections allowing modification of separate IP address fields.

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	Option	Description
0	ENTRY 1	This indicates the first entry of each destination IP address table.
1	ENTRY 2	This indicates the second entry of each destination IP address table.
2	ENTRY 3	This indicates the third entry of each destination IP address table.
3	ENTRY 4	This indicates the fourth entry of each destination IP address table.
4	PROTOCOL	Default value is SIP. Set PROTOCOL to H323 when the table is used for H323 signaling.
6	ALIVE CHK	Set ALIVE CHK to OPTION when the link test is required. When set, system sends OPTIONS message to the destination SIP Server.
7	USER INFO	Alphanumeric System username of To and From header in OPTIONS message. When empty, system does not send OPTIONS message to the Destination SIP Server.
8	RMT PORT	Sets the port to use on the SIP Server.
9	CHK TIMER	When ALIVE CHK is set, CHK TIMER decides the message sending time interval.
10	ALIVE STS	ENTRY1 AVAIL: YES
11	SIG TYPE	This indicates the transport type in SIP message Signaling. SIP message can be transported either using UDP or TCP. (This option may not be available in certain OfficeServ models.)

DEFAULT DATA

TB (000) ENTRY (00): MMC 830 SYSTEM IP ADDR
PROTOCOL: SIP
ALIVE CHK: NONE
RMT PORT: 5060
CHK TIMER: 1800
ALIV STS: All ENTRY AVAIL are YES
SIG TYPE: UDP
ALL OTHERS: EMPTY

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ACTION	DISPLAY
1) Press Transfer button and enter 833. Display shows the first table number.	TB (000) IP ADDR 1 0. 0. 0. 0
2) Enter table number (00-62) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	TB (000) IP ADDR 1 0. 0. 0. 0
3) Enter entry number (00-15) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	TB (000) IP ADDR 1 0. 0. 0. 0
4) Enter IP address via dial keypad. Cursor will be return step 3.	TB (000) IP ADDR 1 165.213. 87.110
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC entry.	

RELATED ITEMS

MMC 830	LAN PARAMETERS
MMC 832	VoIP ACCESS CODE
MMC 834	H.323 OPTIONS
MMC 837	SIP OPTIONS
MMC 838	PRIVATE IP ADDRESSES

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[834] H.323 OPTIONS

This MMC provides various VoIP support options. The options set in this MMC apply system wide.

NOTE

MMC [834]

This program may not be available in certain OfficeServ models.

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 Signaling. Tunneling allows use of the H.245 signal channel with the Q.931 channel.	ENABLE
07	DEFAULT DIL NO	This allows programming of the default direct-in-line number when digits are missing or incorrect on an inbound call.	500
11	CODEC AUTO NEGO	Enables or disables Auto CODEC Negotiation when the MGI is used as an H.323 gateway.	ON
14	SIGNAL PORT	Indicate the port number for H.323 Signaling and sets a range of numbers allowed by firewall equipment. The common and default IP path or port used is 10000.	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

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(Continued)

No	Parameter	Description	Default
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

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[835] MGI DSP OPTIONS

This MMC provides various MGI options.

MGI 16/64 Card and embedded MGI parameters

No	Parameter	Description	Default
00	AUDIO CODEC	Selects the Audio Codec of an MGI card and specify the transmission interval time of the VoIP packet.	G.711
01	ECHO CANCEL	Enables or disables echo cancellation. This function removes the echo that is generated by voice reflection and packet delay.	ENABLE
02	DUAL-FLT EC	This option selects the Mode of Dual Filter echo cancellation. It is improved echo cancellation. This should be set by Analog Trunk card. If mode is selected to Disable (Sparse EC), system should be reset.	8TRK2 MODE
03	NLP	This option controls the non-linear processor. Set NLP value (0~2). - 0: Normal level of NLP engagement. (Default) - 1: NLP Tune Option 2 (Reduced level of NLP engagement). - 2: NLP Tune Option 1 (Increased level of NLP engagement). NLP Tune Option 2 (Reduced level of NLP engagement). For applications where the default NLP level causes unpleasant voice artifacts (like choppiness at the beginning of the call in heavy double talk situations), the Host may select the NLP Tune Option 2 setting to reduce the level of NLP engagement. NLP Tune Option 1 (Increased level of NLP engagement): For certain 2-to-4 wire hybrid or line conditions where a larger than normal non-linear component in the echo is present, the Host may select the NLP Tune Option 1 setting for an increased level of NLP engagement in order to provide an adequate echo control performance. The normal non-linear echo component is defined to be at a level comparable to that from G.711 companding (for example, in G.168, the only non-linear component considered in the echo is G.711 companding only). This option takes effect only when EC is ON.	0
04	EC GAIN	This option is used to program the digital gain control for the Mindspeed Comcerto Device 'Decoder-to-EC' signal path, when voice decoding is active. Set EC gain value. The range is 18~38 (-14 dB ~ +6 dB)	32 (0 dB)
05	EC TAIL LEN	Network Echo Canceller Tail Length (HECLEN). Used to set the Echo Canceller configuration. Echo Canceller Tail Length is adjustable from 8 ms to 128 ms, in 8 ms increments. Set EC Tail length. The range is 8~128 ms.	64 ms

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(Continued)

No	Parameter	Description	Default
06	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
07	TO RTP GAIN	PCM input gain value of DSP. Direction is from PCM to Packet. The range is 18~38 (-14 dB ~ +6 dB) This set the quality of PCM voice from the VoIP DSP to the site. Default is 32 (0 dB).	32 (0 dB)
08	TO PCM GAIN	This value selects the voice volume. Direction is from Packet to PCM. The range is 18~38 (-14 dB ~ +6 dB)	32 (0 dB).
09	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 0~150 ms	30 ms
10	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 30~200 ms.	150 ms
11	JITTER AP	The Adaptation Period controls the speed at which the jitter buffer can adapt downwards when current network conditions allow. The larger the value, the slower the jitter buffer adapts down, when jitter decreases. The value is programmed in milliseconds, with a default of 10000ms (10seconds) and a minimum value of 1000ms (1 second).	1 sec
12	JITTER AT	When the jitter buffer grows past the Deletion Threshold, frames exceeding the deletion threshold are deleted immediately. Audio quality may be negatively affected. This parameter is expressed in milliseconds, and may be programmed from the value of the DelayMax up to 500ms. The range is 150 ms~500 ms.	250 ms
13	T38 FAX USE	This option selects the mode of FoIP. If selct Enable, fax protocol is T.38. In other case, fax protocal is G.711 pass through. (This mode should be use G.711 codec)	Enable
14	T38 REDUND.	This option selects retry count of Fax-over-IP if errors are detected. The range is 0~3 (0 means no retry).	3
15	FAX ECM	This option selects retry of Fax-over-IP if errors are detected.	ENABLE
16	MAX FAX CNT	This is the maximum number of channels that can be simultaneously used for Fax-over-IP. The range is 00~04.	2
17	RTCP PERIOD	This option selects the interval time for sending RTCP.	5 sec

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(Continued)

No	Parameter	Description	Default
18	TOS/DifServ	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
19	802.1 p/q	Each created channel may be given its own Ethernet header provided that the Comcerto MAC address is unique. When sending a payload Ethernet frame, each channel uses its own Ethernet header (if it has one). This option is enable or disable for 802.1p/q. (including 802.1 VLAN and 802.1 Priority) NOTE: These options apply to RTP/RTCP.	Disable
20	802.1 P	Set the 802.1 priority. The range is 0~7.	0
21	802.1 VLAN	Set the VLAN tag. The range is 0~ 4095.	0
22	G711 FRAME	specify the transmission interval time of the VoIP packet for G.711 codec	20 ms
23	G729 FRAME	specify the transmission interval time of the VoIP packet for G.719 codec	20 ms
24	G729s FRAME	specify the transmission interval time of the VoIP packet for G.729a codec	20 ms
25	G723 FRAME	specify the transmission interval time of the VoIP packet for G.711 codec	30 ms

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MGI Card parameters

No	Parameter	Description	Default
00	AUDIO CODEC	Selects the Audio Codec of an MGI card.	G.729A
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	TO RTP GAIN	PCM input gain value of DSP. The range is 0~63 (-31 dB~31 dB). This set the quality of PCM voice from the VoIP DSP to the site. Default is 32 (0 dB).	32 (0 dB)
06	TO PCM GAIN	This value selects the voice volume. The range is 0~63 (-31 dB~31 dB).	32 (0 dB)
07	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
08	MIN JITTER	Decides the minimum time to consider delay for jitter adjustment. The range is 010~300 ms	30 ms
09	MAX JITTER	Decides the maximum time to consider delay for jitter adjustment. The range is 010-300 ms.	150 ms
10	RTP LOSS TM	This option selects the interval time for sending RTCP.	5 sec
11	T38 FAX USE	This option selects the mode of FoIP. If selct Enable, fax protocol is T.38. In other case, fax protocal is G.711 pass through. (This mode should be use G.711 codec)	ENABLE
12	T38 REDUND.	This option selects retry count of Fax-over-IP if errors are detected. The range is 0~4 (0 means no retry).	2
13	FAX ECM	This option selects retry of Fax-over-IP if errors are detected.	ENABLE
14	MAX FAX CNT	This is the maximum number of channels that can be simultaneously used for Fax-over-IP. The range is 00~04.	2

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(Continued)

No	Parameter	Description	Default
15	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
16	TOS/DifServ	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
17	G711 FRAME	specify the transmission interval time of the VoIP packet for G.711 codec	20 ms
18	G729 FRAME	specify the transmission interval time of the VoIP packet for G.719 codec	20 ms
19	G729s FRAME	specify the transmission interval time of the VoIP packet for G.729a codec	20 ms
20	G723 FRAME	specify the transmission interval time of the VoIP packet for G.711 codec	30 ms

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1) Press Transfer button and enter 835.
Display shows the first option.

```
MGI6:AUDIO CODEC
G.729
```

2) Enter MGI type (0-2) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
MGI6:AUDIO CODEC
G.729
```

3) Enter MGI DSP parameter via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
MGI6:G729 FRAME
20 MS
```

4) Enter MGI DSP parameter.
OR
Press Volume button to make selection and press Right Soft button to save and return to step 3.

```
MGI6:G729 FRAME
40 MS
```


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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 (RAS). The settings apply system wide.

NOTE

MMC [836]

This program may not be available in certain OfficeServ models.

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 REGISTERED	Display the status of registration to the Gatekeeper.	NO
02	GK ROUTING	This enables routing of calls through a gatekeeper.	DISABLE
03	GK RAS TYPE	Select if AUTO or MANUAL, depending on your gatekeeper's capabilities.	AUTO
04	GK IP ADDRESS	This is the gatekeeper's IP address.	0.0.0.0
05	ALTER GK IP ADDR	This provides an alternate gatekeeper address.	0.0.0.0
06	GK NAME	This is the alphanumeric identifier of the gatekeeper. (Up to 16 characters.)	'Gatekeeper'
07	H.323 ID	This is the H.323 identifier used by the MGI when registering with the gatekeeper. (Up to 32 characters.)	'OfficeServ'
08	E.164 ID	This is the E.164 identifier used by the H.323 trunk when registering with the gatekeeper. (Up to 16 digits long.)	1234
09	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
10	GK DOWN ROUTE	This provides an alternate route if the primary gatekeeper is down. Selections are PSTN or ALTER GK.	PSTN
11	URQ REASON MODE	Select ON or OFF for use of Un-register Request RAS (URQ) messages.	ON

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(Continued)

No	Parameter	Description	Default
12	RRQ FAIL TIME	Programs the time frame to re-send Registration Request RAS (RRQ) messages to a gatekeeper. The range is 1~99.	30 seconds
13	GRQ SEND	Select ON or OFF for 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

ENTERING GK NAME, H.323 ID

The characters which are related to VoIP are limited. So it is different to entering special characters in normal case. Refer to the below.

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	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	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:
!, $, %, &, *, (,), _, +, ?, -, =, ., /, ;

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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

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[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.

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

SIP Stack Configuration

No	Parameter	Description	Default
00	RE-TRANS. T1	The initial re-transmission time if there is no answer, based on the RFC2543 specification. The range is 0~9900 ms.	500 ms
01	RE-TRANS. T2	The maximum re-transmission time if there is no answer, based on the RFC2543 specification. The range is 0~9900 ms.	4000 ms
02	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.	5000 ms
03	GENERAL RING	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
04	INVITE RING	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
05	PROVISIONAL	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
06	INV NO RESP	Before sending Cancel for the Invite Request, the User Agent waits for this length of time. The range is 0~99900 ms.	5000 ms
07	GEN NO RESP	Before sending Cancel for General Request, the User Agent waits for this length of time. The range is 0~99900 ms.	5000 ms
08	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.	5000 ms

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SIP Extension Configuration

No	Parameter	Description	Default
00	SIGNAL PORT	Sets the UDP port used for a SIP station call.	5060
01	IP-UMS PORT	Sets the UDP port used for IP-UMS calls.	5070
02	EXPIRE TIME	This indicates how long each registration from SIP stations will be valid. SIP stations will send the next REGISTER message before this time value is passed.	600
03	NAT REG EXP	Specifies registration expiration time for SIP stations located under NAT.	600

SIP Trunk Configuration

No	Parameter	Description	Default
00	DEFAULT ISP	This field indicates the default SIP Carrier that will be used for SIP trunking	1
01	iBG EXPIRE	When interacting with iBG, iBG sends REGISTER message to system for link test purpose. The iBG EXPIRE value indicates the expiration time for the iBG's registration.	10
02	LCR SETUP	When making SIP Trunk outbound call, there exists time interval till the outbound INVITE message is actually sent out unless attaching '#' key in order to let system know that dialing is done. When LCR SETUP value is set to Enable, the system sends the outbound INVITE message immediately	Disable
03	RCV CLI FWD	In case outgoing SIP Call, if receiver dose not want display CLI, set this option to ENABLE and dose not send CLI information.	Disable
04	INCOM MODE	This option selects how incoming calls are routed when the MGI is used as a SIP gateway. 0 FOLLOW DID TRANS: Follows MMC 714 (default) 1 FOLLOW INCOM DGT: Follows MMC 724 2 FOLLOW TRUNK RING: Follows MMC 406	FOLLOW DID
05	PEER CLIPTB	Refers to SEND CLI NUMBER (MMC 323), which provides calling party identification when sending out a SIP peering call.	1

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SIP Carrier Configuration

No	Parameter	Description	Default
00	SIP CARRIER	Alphanumeric Name of SIP Carrier This indicates the ISP carrire name. User can set this value, but the value doesn't affect to work of system.	-
01	SIP SERVER	Sets ENABLE or DISABLE to interact with external SIP Server.	DISABLE
02	REGISTERED	Displays the OfficeServ's registration status with the external SIP server/ SIP carrier.	NO
03	REGIST ADDR	Designate the Domain Name or the IP Address of the SIP Registrar. If the domain name value is entered here, the DNS query is executed, and through this, the IP address of the Registrar server is acquired.	NONE
04	REGIST PORT	Sets the port to use on the Registrar Server.	5060
05	OUT PROXY	Designates the Domain Name or the IP Address of the SIP Server. If the domain name value is entered here, the DNS query is executed, and through this, the IP address of the SIP Server is acquired.	NONE
06	ALTER PROXY	Designates the Alternate Proxy IP Address which is used if the primary SIP server fails.	0.0.0.0
07	PROXY PORT	Sets the port to use on the SIP Server.	5060
08	PROXY NAME	Domain name which is set for the user authentication when using the SIP server	NONE
09	DNS SERVER1	Designates the IP address of any external name server (DNS server). The DNS server resolves the SIP server name to an IP address (This option may not be available in certain OfficeServ models.)	0.0.0.0
10	DNS SERVER2	Designate the alternative name server which is used when the name server designated in the DNS server1 fails. (This option may not be available in certain OfficeServ models.)	0.0.0.0
11	USER NAME	Alphanumeric System username when registering as a trunking gateway. When empty, system does not send REGISTER message to interacting Outbound SIP Server.	4100
12	AUTH USER	This is the username which is used if the authentication is required from the SIP server. This is the item which is used for registering the representative number.	NONE
13	AUTH PSWD	This is the password which is used if the authentication is required from the SIP server. This is the item which is used for registering the representative number.	NONE
14	REG PER USER	When interacting with the SIP Server, if this is enabled, registration is made per user bases. Otherwise, system will perform representative registration.	DISABLE

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(Continued)

No	Parameter	Description	Default
15	SESSION TIMER	This is the timer value which is used when exchanging the message periodically to maintain the session if one session is set. Whether to use the session timer is determined according to each SIP server. Using the default value is recommended.	NONE
16	SESSION EXP	Indicates the Expire Time in Session Timer. In general, the value given by the SIP server is used. Using the default value is recommended.	1800 sec
17	TRK REG EXP	The Expire Time exists in periodical registration to the SIP server. In general, the value given by the SIP server is used. Using the default value is recommended.	1800 sec
18	ALIVE NOTI	Some SIP Servers require SIP UA to send OPTIONS method simply for link test purpose. When set, system sends OPTIONS message to the SIP Server.	NONE
19	NOTIFY TIME	When ALIVE NOTI is set, NOTIFY TIME decides the message sending time interval.	1800 sec
20	EXCLUSIVE	When Set to Enable, system will only respond specifically to the enabled SIP server. It will ignore all other SIP messages not from the specified SIP server.	Disable
21	IMS OPTION	When enabled, SIP headers that are commonly used in IMS environment will automatically be applied.	Disable
22	ASSERTED ID	If the value is set to PRIMARY, outbound message's FROM header will contain individual station number and P-Asserted-Identity header will contain primary number which is assigned by the SIP server. If the value is set to ALTERNATE, outbound message's P-Asserted-Identity header will contain individual station number and FROM header will contain primary number which is assigned by the SIP server.	NONE
23	PRIVACY	When set, FROM header in outbound SIP message will have user name of 'Anonymous' which hides caller information. In this case, representative number instead will be put into P-Asserted-ID header.	Disable
24	SIP PEERING	In general cases when making the call by interworking with the SIP server, the SIP Server IP is used in the From/To Header, however this is the option used when to use its own IP of the terminal in case of a specific SIP server.	DISABLE

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(Continued)

No	Parameter	Description	Default
25	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
26	SS TYPE	Indicates how SIP call flow will be done; Samsung vs. Standard. When set to Samsung, system will not follow standard SIP call flow that is recommended in RFCs, but instead will initiate Samsung proprietary call flow. Default value is Standard. This value should remain at default except for special cases.	Samsung
27	302 RESP	This option is used for configuring external call forward method. During external call forward condition, if this option is set to Enable, system responds back to the SIP carrier with a 302 message which will allow the SIP carrier to handle the call forward. If this option is disabled, then the OfficeServ system will initiate a second invite message to the final forward destination. When OfficeServ handles the forwarding to the final destination, then more MGI resources will be used. If the SIP provider supports the 302 method, this option should be enabled.	Disable
28	DEST TYPE	This option selects the field that will be used to specify the final recipient destination. The field can be either the TO header or Request URI in the incoming INVITE message.	To-Header
29	VIRTUAL RBT	When enabled, an outbound SIP trunk call will receive simulated ringback from the OfficeServ as soon as OfficeServ receives 18x message from the SIP UA. If disabled, then actual ringback is received from remote party.	Disable
30	CODEC NEGO	When disabled, the codec used will be the one selected in MMC 835 (MGI settings). When enabled, the codec used for the SIP call will be auto negotiated with the SIP carrier or remote SIP UA.	DISABLE

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(Continued)

No	Parameter	Description	Default
31	HOLD RE-INV	This option decides whether to use RE-INVITE message or not in case of HOLD and RESUME. When set to ENABLE, and pressed Hold button during an active SIP session, OfficeServ sends RE-INVITE message indicating it wants to put on hold. If set DISABLE, however, OfficeServ does not send any message. This option can be useful especially when interoperating with a SIP UA which does not understand or allow RE-INVITE message scheme.	-
32	URI TYPE	This field specifies SIP-URI type in SIP messages. According to SIP standard, this system supports TEL-URI as well as SIP-URI, which is set by default.	-
33	SIG TYPE	This indicates the transport type in SIP message Signaling. SIP message can be transported either using UDP or TCP. (This option may not be available in certain OfficeServ models.)	-

ENTERING SIP CARRIER, PROXY NAME, USER NAME, AUTH USER, AUTH PSWD

The characters which are related to VoIP are limited. So it is different to entering special characters in normal case. Refer to the below.

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.

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COUNT	1	2	3	4	5
DIAL 0	0				
DIAL 1	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	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:
!, $, %, &, *, (,), _, +, ?, -, =, ., /, ;

DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1) Press Transfer button and enter 837.
Display shows the first option.

```
SIP: TLS USE
NO
```

2) Select Extension option (e.g., 01) via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
EXT: SIGNAL PORT
05060
```

3) Enter SIGNAL PORT via dial keypad.
OR
Press Volume button to make selection and press Right Soft button to move cursor.

```
EXT: SIGNAL PORT
05060
```

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

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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

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[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.

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

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	LAN PARAMETERS
MMC 832	VoIP ACCESS CODE
MMC 834	H.323 OPTIONS
MMC 837	SIP OPTIONS

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[839] SIP USER

This is the program to register to outbound SIP server on per user bases, using each pair of username and password.

In-site Information

No	Parameter	Description	Default
00	USERNAME	Alphanumeric username when registering to interacting Outbound SIP Server.	-
01	AUTH UID	This is the username which is used if the authentication is required from the SIP server. This is the item which is used for registering the individual number.	-
02	AUTH PWD	This is the password which is used if the authentication is required from the SIP server. This is the item which is used for registering the individual number.	-
03	TEL NO	This numbers are used to match alphabetical usernames to internal CLI and DDI numbers. (Matched to CLI for outgoing, and DDI for Incoming)	-

Out-site Information

No	Parameter	Description	Default
00	SITE URL	When dialed number is matched with TEL NO in this table, this value should be put into To-Header in outgoing INVITE message.	-
01	TEL NO	This numbers are used to match with dialed number. When matched, system considers the dialed number as a medium for converting from/to values to alphabetical values specified in SITE URL and CLI NAME in this table.	-
02	CLI NAME	When dialed number is matched with TEL NO in this table, this value should be put into From-Header in outgoing INVITE message.	-
03	ROUTING	When dialed number is matched with TEL NO in this table, this specifies the SIP CARRIER to which outbound message is transferring.	DEFAULT

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ENTERING USERNAME, AUTH UID, AUTH PWD

The characters which are related to VoIP are limited. So it is different to entering special characters in normal case. Refer to the below.

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	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	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:
!, $, %, &, *, (,), _, +, ?, -, =, ., /, ;

CONDITIONS

None

DEFAULT DATA

None

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ACTION	DISPLAY
1) Press the Transfer button and the 839.	SP1-001:USERNAME
2) Enter the SP1 number ([0]-[100]). Otherwise, select the table by using the Volume button and move the cursor by pressing the Right Soft button.	SP1-001:USERNAME
3) Select the AUTH UID by using the Volume button and move the cursor by pressing the Right Soft button.	SP1-001:AUTH UID
4) Enter the AUTH UID. The AUTH UID can be entered as characters and numbers of 16 digits.	SP1-002:AUTH UID
5) Press the Transfer button to store the data and complete the procedure, or press the Speaker button to store the data.	

RELATED ITEMS

Program 837 Designate the SIP option.

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[840] IP PHONE INFORMATION

This MMC provides a means to register IP phones with the OfficeServ 7000 Series 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 7000 Series system. (alphanumeric) To register IP phone in PnP mode (plug and play), the MAC address of IP phone has to be entered in USER ID option. And then IP phone has to do factory reset.	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 7000 Series 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
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

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(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 ms
12	TOS/Difsrv	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	S/W VERSION	Display IP phone software version. (Read only)	-
14	S/W 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
17	SIG TYPE	This option can change UDP/TCP signal type for IP phone. (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.	0.0.0.0
19	VIDEO DSP	Designate the standard video compression format of the VIDEO IP phone. (H.263/MPEG4)	H.263
20	VIDEO SIZE	Designate the video input/output format of the codec of the VIDEO IP phone. (CIF, QCIF)	CIF
21	QoS ENABLE	Designate whether to use the QoS.	DISABLE
22	FRC LOGOUT	This is used to logout the registration of a particular IP phone. IP phone should support IDLE MODE function and be login status. This is useful for maintenance.	NO

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DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1) Press Transfer button and enter 840.
   Display shows:

```
[3201]USER  ID
3201
```

2) Enter IP phone number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
[3210]USER  ID
3210
```

3) Enter IP phone option number via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
[3210]DSP TYPE
G.729A
```

4) Enter option data via dial keypad.
   OR
   Press Volume button to make selection and press Right Soft button to save and return to step 3.

```
[3210]DSP TYPE
G.711
```

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

RELATED ITEMS

MMC 615	MGI GROUP
MMC 616	MGI USER
MMC 830	LAN PARAMETERS
MMC 831	MGI PARAMETERS
MMC 835	MGI DSP OPTIONS
MMC 841	SYSTEM IP OPTIONS

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[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 DS-5012L: 1 ITP-5012L: 2 ITP-5000D: 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) 6 ITP-5112L: 7 ITP-5100D: 8 ITP-VIDEO: 9 DS-5012LE: 10 WIPM BOOT: Wireless IP-based mobile phone boot program. 11 SOFT-VIDEO: 12 ITP-SIMPLE: 13 SOFT MENU: Soft menu version	NONE
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

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(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.	20 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/Dif: 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 CONTROL: Designate whether to set the DSP parameter of the IP phone as the SYSTEM BASE or as the ITP BASE.	SYS BASE
		4 CODEC: Designate whether to use the CODEC based on the MGI or to use the CODEC of the IP phone when connecting the call between the IP phone and the MGI.	MGI FIRST
06	ITP TX GAIN/HSET	Sets IP-based phone Handset TX gain value of each level.	LEVEL 1: 25 LEVEL 2: 27 LEVEL 3: 29 LEVEL 4: 31 LEVEL 5: 33 LEVEL 6: 35 LEVEL 7: 37 LEVEL 8: 39

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(Continued)

No	Option	Description	Default
07	ITP RX GAIN/HSET	Sets IP-based phone Handset RX gain value of each level.	LEVEL 1: 26 LEVEL 2: 28 LEVEL 3: 30 LEVEL 4: 32 LEVEL 5: 34 LEVEL 6: 36 LEVEL 7: 38 LEVEL 8: 40
08	ITP TX GAIN/MIC	Sets IP-based phone MIC gain value of each level.	LEVEL 1: 22 LEVEL 2: 24 LEVEL 3: 26 LEVEL 4: 28 LEVEL 5: 30 LEVEL 6: 32 LEVEL 7: 34 LEVEL 8: 36
09	ITP RX GAIN/SPKR	Sets IP-based phone SPKR gain value of each level.	LEVEL 01: 16 LEVEL 02: 18 LEVEL 03: 20 LEVEL 04: 22 LEVEL 05: 24 LEVEL 06: 26 LEVEL 07: 28 LEVEL 08: 30 LEVEL 09: 32 LEVEL 10: 34 LEVEL 11: 36 LEVEL 12: 38 LEVEL 13: 40 LEVEL 14: 42 LEVEL 15: 44 LEVEL 16: 46
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

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(Continued)

<table>
<tr><th>No</th><th>Option</th><th>Description</th><th>Default</th></tr>
<tr><td rowspan="2">10</td><td rowspan="2">ITP VERS UPGRADE</td><td>1. START (HHMM): IP-based phone software automatic upgrade start time.</td><td>2222
(Disable)</td></tr>
<tr><td>2. INTERVAL: IP-based phone software automatic upgrade interval time.</td><td>10 seconds.</td></tr>
<tr><td>11</td><td>MGI ALIVE PERIOD</td><td>Set the time interval of checking the link connection of MGI card and the system.</td><td>05 SEC</td></tr>
<tr><td>12</td><td>DATA CARD IPC</td><td>Designate whether to execute the IPC with the DATA card if the DATA card is mounted on the system.</td><td>YES</td></tr>
<tr><td>13</td><td>ITP RING VOLUME</td><td>Designate the Ring Volume value of the IP phone as eight stages.</td><td>LEVEL 1: 02
LEVEL 2: 03
LEVEL 3: 04
LEVEL 4: 05
LEVEL 5: 06
LEVEL 6: 07
LEVEL 7: 08
LEVEL 8: 09</td></tr>
<tr><td>14</td><td>ITP MAX TX LIMIT</td><td>TX level which is in case of using MGI or not can be restricted for voice quality of IP Phone.</td><td>NO</td></tr>
<tr><td>15</td><td>WIP DSP PARA</td><td>Designate the DSP parameter of the WLAN phone
- M-FRAME: The length of voice data.
- ECHOCNCL: The option for using Echo Cancel function.</td><td>40MSEC
ENABLE</td></tr>
<tr><td rowspan="4">16</td><td rowspan="4">ALL IDLE ITP OUT</td><td>All IP-based phone supporting IDLE MODE can logout except IP LOUT COS is limited and phone is busy state.</td><td></td></tr>
<tr><td>Type :
0) MMC COMMAND : All IP-based phone logout manually only.
1) AUTO TIME : All IP-based phone logout automatically at set time.</td><td>0</td></tr>
<tr><td>TIME (HHMM) : All IP-based phone automatic logout time.</td><td>22:00</td></tr>
<tr><td>LOGOUT NOW : All IP-based phone logout now.</td><td>NO</td></tr>
<tr><td>23</td><td>PUBLIC IP SET</td><td>
<table>
<tr><th>No</th><th>MMC830</th><th>MMC831</th><th>MMC843</th></tr>
<tr><td>1 (IP SET 1)</td><td>SYS
PUBLIC IP1</td><td>PUB IP1
PUB RTP1</td><td>PUB IP1
PUB RTP1</td></tr>
<tr><td>2 (IP SET 2)</td><td>SYS
PUBLIC IP2</td><td>PUB IP2
PUB RTP2</td><td>PUB IP2
PUB RTP2</td></tr>
<tr><td>3 (IP SET 3)</td><td>SYS
PUBLIC IP3</td><td>PUB IP3
PUB RTP3</td><td>PUB IP3
PUB RTP3</td></tr>
</table>
</td><td>1(IPSET 1)</td></tr>
</table>

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DEFAULT DATA

SEE DESCRIPTION

ACTION	DISPLAY
1) Press Transfer button and enter 841. Display shows the first available option.	PHONE VERSION DS-5012L:
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.	ITP REGISTRATION TYPE: SYS PSWD
3) Enter option number via dial keypad. OR Press Volume button to make select and press Right Soft button to move cursor.	ITP REGISTRATION PSWD: 1234
4) Enter option data. OR Press Right Soft button to save and return to step 3.	ITP REGISTRATION PSWD: 8228
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 840 IP PHONE INFORMATION

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[842] SIP STATION INFORMATION

This MMC provides a means of registering the SIP with the OfficeServ 7000 series system.

No.	Parameter	Description
0	REGISTERED	This indicates whether the corresponding standard SIP terminal is registered.
-	IP ADDRESS	IP address of IP phone
0	USER ID	When phone is registered, user ID for checking user
2	USER PSWD	When phone is registered, user password for checking user
-	TONE SRC	Designate whether to use the holding tone of the system or to use the holding tone of the SIP terminal when connecting the call via the SIP terminal. 0. USE SYSTEM TONE = Use the tone of the system for the holding tone and for the ring back tone in some ring back status (CALLBACK, etc.). When using the tone of the system, in case of the calls which do not use the MGI such as the call between the SIP terminals or the call with the IP phone, the holding tone (ring back tone) is emitted by allocating the MGI. 1. USE SIPP TONE = Use the own tone of the SIP terminal.
-	CALL WAIT	This indicates whether to receive the second call without treating it as the busy status when the second call is received in the SIP terminal. (DISABLE / ENABLE)
8	PHONE TYPE	This indicates the manufacturer of the standard SIP terminal. In case of the terminals other than the Samsung standard SIP terminals, registration is limited to the number allocated according to the LICENSE KEY entered in the MMC860. (DISCONNECTED / SAMSUNG PHONE / OTHER SIP PHONE)
9	PUB IPADDR	These values indicate the IP address and port number of terminals or access pointers sending REGISTER messages. The ‘PUB IPADDR’ value can be different from the ‘IP ADDRESS’.
10	PUB PORT	
11	SIG PORT	This indicates the port and transport protocol that is used for signaling by SIP terminals. If signaling port is stored at DB, the SIP phone can transmit and receive signal although the system restart.
12	PROTOCOL	

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DEFAULT DATA

Parameter	Default
REGISTERED	NO
IP ADDRESS	0.0.0.0
USER ID	Initial IP Phone Number (e.g., 3601)
USER PSWD	0000
TONE SRC	USE SYSTEM TONE
CALL WAIT	DISABLE
PHONE TYPE	DISCONNECTED
PUB IPADDR	0.0.0.0
PUB PORT	00000
SIG PORT	00000
PROTOCOL	UDP

ACTION

1) Press Transfer button and enter 842.

2) Enter IP phone number via dial keypad.
   OR
   Press Volume button to make select and press Right Soft button to move cursor.

3) Enter option number via dial keypad.
   OR
   Press Volume button to make select and press Right Soft button to move cursor.

4) Enter option data.
   OR
   Press Right Soft button to save and return 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
```

```
[3202]USER ID
3202
```

```
[3202]IP TYPE
PRIVATE
```

```
[3202]IP TYPE
PUBLIC
```

RELATED ITEMS

NONE

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[843] MPS OPTIONS

This MMC provides network configuration of MPS (Media Proxy Server) in the system. This option can be shown in some OfficeServ system.

No	Parameter	Description
0	LOCATION	Located Cabinet and slot number of MPS.
1	IP ADDRESS	Specifies the IP address for the MPS.
2	GATEWAY	Specifies the designated IP gateway address used for contacting IP devices beyond the local subnet.
3	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 MPS. (without having to go through the designated network IP gateway)
4	IP TYPE	Specifies if the system will be routing data over a public or private network.
5	LOCAL RTP	Local RTP Port
6	CARD RESET	Reboots MPS
7	PUBLIC IP1	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830
8	PUBLIC RTP1	Public RTP Port which NAT system binds a private RTP port with
9	PUBLIC IP2	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830
10	PUBLIC RTP2	Public RTP Port which NAT system binds a private RTP port with
11	PUBLIC IP3	Pulbic IP Address is only used for VoIP signaling protocols in a NAT network . NAT system binds IP Address with Public IP and processes a voice stream. See System IP Type on MMC 830
12	PUBLIC RTP3	Public RTP Port which NAT system binds a private RTP port with
13	IP VERSION	Specifies MPS IP version is IPv4 / IPv6.

If MP-MPS (the embedded MPS) is selected, parameters such as IP ADDRESS, GATEWAY, SUB MASK, CARD RESET can not be set in this MMC because these parameters and the system values are the same.

The system values can be referred in MMC 830.

CONDITIONS

This MMC cannot be accessed unless MMC861 MPS SERVICE is enable.

ACTION

DISPLAY

1) Press Transfer button and enter 843.
   Display shows the first MPS

```
[MPS] IP ADDRESS
168.219. 76.101
```

2) Press Volume button to make selection and press Right Soft button to move cursor.

```
[MPS] IP ADDRESS
168.219. 76.101
```

3) Enter MPS parameter number.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

```
[MPS] IP ADDRESS
168.219. 76.101
```

4) Enter MPS parameter.
   OR
   Press Right Soft button to move cursor.

```
[MPS] IP ADDRESS
165. 10.  1.100
```

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

RELATED ITEMS

NONE

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[844] UC IP PHONE INFORMATION

This MMC provides IP phone's advance function.

No	Parameter	Description
0	XML SERVER URL	Specifies the server url for the XML.
1	LDAP SERVER URL	Specifies the server url for the LDAP.
2	LDAP BASE DN	Specifies the LDAP Base Domain name.
3	LDAP AUTH ID	Specifies the ID for the LDAP authentication.
4	LDAP AUTH PW	Specifies the Password for the LDAP authentication.
5	SNMP TRAP SERVER	Specifies the server url for the SNMP Trap.
6	SNMP S/G SERVER	Specifies the set/get server url for the SNMP.
7	SNMP COMMUNITY	Specifies community name for the SNMP.

CONDITIONS

NONE

ACTION

1) Press Transfer button and enter 844.
   Display shows the first XML SERVER URL

2) Press Volume button to make selection and press Right Soft button to move cursor.

3) Enter the parameter number.
   OR
   Press Volume button to make selection and press Right Soft button to move cursor.

4) Enter the 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

```
XML SERVER URL
```

```
XML SERVER URL
```

```
XML SERVER URL
```

```
XML SERVER URL
http://xmlservice.com/xm
lcid.jsp
```

RELATED ITEMS

NONE

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[845] WLAN PARAMETERS

This MMC modifies the WLAN parameters.

WLAN PARAMETER

No	Parameter	Description	Default
01	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
02	RF CHANNEL	Set a RF CHANNEL value that can be used by WBS.	USE CH 1: 01 USE CH 2: 06 USE CH 3: 11 USE CH 4: 00 USE CH 5: 00 USE CH 6: 00
07	VERSION	WLAN module version.	Version
20	MAX AP CH.	Set the maximum channel number of AP If AP type is not Commercial AP, this option can be shown.	00
21	WLAN SWTCH	Support WLAN switch function In case that AP type is not WBS COMBO, this option can be shown	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

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(Continued)

No	Parameter	Description	Default (ms)
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 sending SIP related Request.	5000
6	INV NO RESP	Waiting time before sending 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

ACTION

DISPLAY

1) Press Transfer button and enter 845.

```
WLAN: CODEC LIST
G.729
```

2) When the cursor is on WLAN, press Volume button and select WLAN, WBS, or SIP.

```
WLAN: CODEC LIST
G.729
```

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.

```
WLAN: CODEC LIST
G.729
```

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. Press Soft button and proceed to next register status.

```
WLAN: CODEC LIST
G.729
```

RELATED ITEMS

MMC 846 WIP INFORMATION
MMC 848 WLAN IP/MAC LIST
MMC 849 WLAN CONFIGURATION

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[846] WIP INFORMATION

This MMC sets up the WiFi phone 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. If attached, wip phone's mode is also displayed (sip mode or ospp mode)	DETACH
02	PHONE TYPE	Shows the type of the terminal.	NONE
05	IP OFFSET	Location of IP pool of the terminal IP If AP type is not Commercial AP, this option can not be shown.	-
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	PHONE NUM
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.	-
12	HO THRSH	Handover Thresh Hold Value (-99~0) Thresh Hold is a signal level which makes WLAN phone start scanning for handover. If this signal level is under the registered Thresh Hold, WLAN phone will start scanning. This parameter has a minus value but system only displays the value without minus. (So the default value of Thresh Hold will be shown as 70 not -70.)	70
13	HO DELTA	Handover Delta Value (0~99) DELTA means the signal level difference between AP which includes WLAN phone and another AP. If this signal level difference is over the registered DELTA, WLAN phone will start to handover. In this case the signal level of WLAN phone should be under the Thresh Hold.	05
14	HO SCAN	Handover Scan Time Value (0~99) SCAN Time is a period of scanning for WLAN Handover. If the signal level of WLAN phone is under the Thresh Hold, WLAN phone will start scanning with the registered period (=SCAN Time).	01

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DEFAULT DATA

SEE DESCRIPTION

ACTION

DISPLAY

1) Press Transfer button and enter 846.

```
[3301] REGISTERED
NO
```

2) Dial the WIP number.
OR
Press Volume button to select station and press Right Soft button to move cursor.

```
[3301] REGISTERED
NO
```

3) Set the items below at the menu.
Confirm the status of terminal registration for each phone number.

```
[3301] REGISTERED
NO
```

RELATED ITEMS

MMC 848	WLAN IP/MAC LIST
MMC 849	WLAN CONFIGURATION

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[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 WiFi phone 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	DISPLAY
1) Press Transfer button, and enter 848.	IP:001 USED: 0. 0. 0. 0
2) Select the menu. (0: IP LIST)	IP:001 USED: 0. 0. 0. 0
3) Select the table number.	IP:001 USED: _ 0. 0. 0. 0
4) Enter the IP ADDRESS.	IP:001 USED: 168. 0. 0. 0
5) A number next to USED indicates the terminal number to which the IP ADDRESS was assigned.	IP:001 USED:3301 168.219.149. 5

RELATED ITEMS

MMC 846	WIP INFORMATION
MMC 849	WLAN CONFIGURATION

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[849] WLAN CONFIGURATION

This MMC is used to set the WLAN configuration.

Parameter	Description
REGISTER VoWLAN	Enable or disable registration of new WiFi 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.
STATIC WIP IP	Select the use of Static WIP IP.
SELECT AP	Must select dual AP

ACTION

DISPLAY

1) Press Transfer button, and press 849.

```
ENTER PASSWORD
_
```

2) Enter the PASSCODE.
(This PASSCODE is assigned in MMC 202 WLAN REGST)

```
ENTER PASSCODE
****
```

3) Select ENABLE to register a terminal.

```
REGISTER VoWLAN
ENABLE
```

4) Select WIP REGIST CLEAR to clear the registration status for a terminal.

```
WIP REGIST CLEAR
3301:FORCED
```

RELATED ITEMS

MMC 846 WIP INFORMATION
MMC 848 WLAN IP/MAC LIST

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[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
4. MOBEX

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:012
```

```
CID DSP'S
USE:000 FREE:014
```

RELATED ITEMS

NONE

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[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.

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.

DISPLAY

```
SYS ALARM REPORT
VIEW ALARMS
```

```
SYS ALARM REPORT
VIEW ALARMS
```

3) System displays the alarm count number, date and time stamp.
Alarm type and cause code will display.

```
[00] 02/18 14:30
MNF02 C1-S02
```

4) Press Volume button to scroll through other alarms.
OR
Press Right Soft button to return to step 2.

```
SYS ALARM REPORT
VIEW ALARMS
```

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

RELATED ITEMS

MMC 852 SYSTEM ALARM ASSIGNMENTS

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[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.

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	Power On Restart	MP card restart process has been executed via power on restart. (POR)
02	MJA02	Button Restart	MP card restart process has been executed via button reset.
03	MJA03	MMC Reset	The system RAM has been cleared via manual programming (PCMMC or KMMC) resulting in a system reset.
04	MJA04	MCP Reset	The MP card 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 Restart	The LP card 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

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(Continued)

No	Code	Alarm Name	Definition
08	MJA08	FAN Out of Order	A FAN does not work.
09	MJA09	FAN Recovery	A FAN which did not work starts to operate correctly before system stops.
10	MJA10	CPU Overload	CPU Overload
11	MJA11	CPU Overload Rec	CPU Overload Recovery
12	MJA12	FLASH FORMAT Err	FLASH FORMAT Error
13	MJA13	Invalid MMC Halt	An Invalid MMC card has inserted in SYSTEM. So system is halted.
14	MJA14	DUAL PWR Error	Dual Power Error alarm
15	MJA15	DUAL PWR Recovry	Dual Power recovery alarm
16	MJA16	D-PWR FAN Error	Dual Power FAN Error alarm
17	MJA17	D-PWR FAN Recov	Dual Power FAN recovery alarm
18	MJA18	PoE PWR Error	PoE Power Error alarm
19	MJA19	PoE PWR Recovry	PoE Power recovery alarm
20	MJA20	PoE FAN Error	PoE Power FAN Error alarm
21	MJA21	PoE FAN Recovry	PoE Power FAN recovery alarm
22	MJA22	PoE Battry Error	PoE Power Battery Error alarm
23	MJA23	PoE Battry Recov	PoE Power Battery recovery alarm
24	MJA24	MAIN PWR Error	PoE Power Battery Error alarm
25	MJA25	MAIN PWR Recovry	PoE Power Battery recovery alarm
25	MJA26	MEDIA NOT UMOUNT	Media Card Out without dismounted
-	MJA27	SYS Overheat	System Overheat alarm
-	MJA28	SYS High Temp	System High Temperature alarm
-	MJA29	SYS Normal Temp	System Normal Temperature alarm
-	MJA30	PCM SW Init Fail	PCM Switch initial fail alarm
-	MJA31	PCM SW Init Rec	PCM Switch initial recovered alarm
-	MJB--	LCP/TASK Error	LCP or TASK Fault

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(Continued)

No	Code	Alarm Name	Definition
26	MJB01	HDLC Comm Error	Communications to LCP lost or faulty.
27	MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MP card.
31	MJB06	IPC MSGQ Over	IPC TX queue full error has occurred in the MP card. Alarm data = IPC Queue type
32	MJB07	IPC MSGQ Under	IPC TX queue full recovery has occurred in the MCP2. Alarm data=IPC Queue type
-	MJC--	DSP Error	System Resource Fault
35	MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data=DTMF Receiver DSP position
36	MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources. Alarm data=TONE Receiver DSP position.
37	MJC03	CID DSP Fault	CID DSP Fault
40	MJC06	AC Pwr Loss	AC Power Loss
41	MJC07	AC Pwr Recovery	AC Power Recovery
42	MJC08	Low Battery	Low Battery
43	MJC09	Low Battery Rec	Low Battery Recovery
	MJC18	D-BD Init Fault	D-board Initial Fault
	MJC19	D-BD Init Rec	D-board Initial Recovery
	MJC20	Card Init Fault	Card Initial Fault
	MJC21	Card Init Rec	Card Initial Recovery
-	MJD--	DTRK Error	ISDN or E1 card Fault
52	MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
53	MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
54	MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm Data=Cabinet, Slot (Cx-Syy)
55	MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm Data=Cabinet, Slot (Cx-Syy)
56	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm Data=Cabinet, Slot (Cx-Syy)
57	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm Data=Cabinet, Slot (Cx-Syy)
58	MJD07	Blue Alarm	All 1's being transmitted on facility on TEPRI card. Alarm Data=Cabinet, Slot (Cx-Syy)

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(Continued)

No	Code	Alarm Name	Definition
59	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm Data=Cabinet, Slot (Cx-Syy)
60	MJD09	Bit Error Alarm	Alarm is activated when the error rate exceeds 1 x 10^{-6} errors. Note: 1x10^{-6} is threshold for minor alarm, 1 x 10^{-3} is threshold for major alarm errors on E1, PRI or BRI. Alarm Data=Cabinet, Slot (Cx-Syy)
62	MJD11	SPID Init Error	The BRI received an error from the network. Alarm Data=Cabinet, Slot, Channel (Cx-Syy-czz)
63	MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
64	MJD13	LPBK Error	Internal on demand loopback failed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
65	MJD14	LPBK Recovery	Internal on demand loopback test passed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
66	MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
67	MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
-	MJD--	DTRK Error	ISDN or E1 card Fault
69	MJD18	E1 Restart	The E1 card has restarted. Alarm Data = Cabinet, Slot (Cx-Syy)
70	MJD19	PRI Restart	The PRI card has restarted. Alarm Data = Cabinet, Slot (Cx-Syy)
71	MJD20	BRI Restart	The BRI card has restarted. Alarm Data = Cabinet, Slot (Cx-Syy)
72	MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
73	MJD22	PCM Recovery	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
74	MJD23	L2 Disconnect	PRI L2 sync alarm
75	MJD24	L2 Connect	PRI L2 sync alarm
-	MJE--	MGI Error	MGI card Fault
76	MJE01	MGI Restart	The MGI card has restarted. Alarm Data = Cabinet, Slot (Cx-Syy)
78	MJE03	MGI IP Duplicate	The MGI card IP address is duplicated. Alarm Data = Cabinet, Slot (Cx-Syy)
79	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)

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(Continued)

No	Code	Alarm Name	Definition
80	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)
81	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)
82	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)
83	MJE08	WBS Disconnect	Indicates the WBS is disconnected. Alarm Data = CWBS:xx or BWBS:xx
84	MJE09	WBS connect	Indicates the WBS is connected. Alarm Data = CWBS:xx or BWBS:xx
85	MJE10	SVMi Restart	SVMi Restart
86	MJE11	SVMi Halt	Whether to halt the SVMi card
87	MJE12	SVMi Down	Whether to shut down the SVMi card
88	MJE13	MGI Self Restart	MGI Self Restart
89	MJE14	MPS Restart	MPS module Restart
90	MJE15	MPS Stop	MPS module Stop
-	MJE16	OAS NTWK Error	OAS Network Error
-	MJE17	OAS NTWK Recovery	OAS Network Recovery
-	MJE18	OAS IP CONFLICT	OAS IP CONFLICT
-	MJE19	OAS IP Recovery	OAS IP Recovery
-	MJE20	OAS Start	OAS CARD START
-	MJE21	OAS Stop	OAS CARD STOP
-	MJE22	OAS Link Down	OAS CARD LINK DOWN
-	MJE23	OAS Link Recover	OAS CARD LINK RECOVERY
-	MNF--	Minor Error	Minor Fault with Alarm Buffer saving
91	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)
92	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm Data = Cabinet, Slot (Cx-Syy)
94	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)

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(Continued)

No	Code	Alarm Name	Definition
95	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)
96	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
97	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk. External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
100	MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm Data = Cabinet, Slot (Cx-Syy)
101	MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm Data = Cabinet, Slot (Cx-Syy)
104	MNF14	TODC Error	Time of Day Clock in the MCP2 has erred.
108	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)
109	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)
118	MNF28	LAN Printer Err	LAN printer error has occurred in the MCP2. Alarm Data = Data Type (SMDR)
119	MNF29	LAN Printer Rec	LAN printer error has recovered in the MCP2. Alarm Data = Data Type (SMDR)
120	MNF30	SPNet Link Error	SPNet LINK connection error Alarm data=MMC 820 LINK ID INDEX number
121	MNF31	SPNet Send Error	SPNet message transmission error Alarm data=xx:yyyy:zz xx: SPNet TRK INDEX, yyyy: SPNet TRK number, zz: MMC 820 LINK ID INDEX number
122	MNF32	SVMi Ready	SVMi Card Ready start
123	MNF33	SVMi Request	SVMi Card Request start
124	MNF34	SVMi Ready End	SVMi Card Ready end
125	MNF35	SVMi Request End	SVMi Card Request end
126	MNF36	SVMi HDD Alarm	SVMi Card HDD Alarm
127	MNF37	Manual Reset Req	Card Manual Reset Request

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(Continued)

No	Code	Alarm Name	Definition
128	MNF38	Card Active	Card Active notification
129	MNF39	MEDIA CARD IN	MEDIA CARD IN
130	MNF40	MEDIA CARD OUT	MEDIA CARD OUT with dismount
	MNF41	SYS FAN Stop	System FAN Stop alarm
	MNF42	SYS FAN Run	System FAN Run alarm
-	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

DISPLAY

1) Press Transfer button and enter 852.
   Display shows:

```
01:MJA01 ACT:OFF
POR Restart
```

2) Enter desired Alarm Display number. (e.g., 64)
   OR
   Press Volume buttons to select desired option and press Right Soft button to advance the cursor.

```
64:MNF01 ACT:OFF
Card Out
```

3) To select if the alarm is active, press 1 for YES and 0 for NO.
   An entry will 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.

```
64:MNF01 ACT:ON
Card Out
```

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

RELATED ITEMS

MMC 501	SYSTEM TIMERS
MMC 722	STATION KEY PROGRAMMING
MMC 723	SYSTEM KEY PROGRAMMING
MMC 851	ALARM REPORTING
MMC 853	MAINTENANCE BUSY

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[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
5	CID	CID Receiver
6	R2MFC	R2MFC Receiver (This option may not be available in certain OfficeServ models.)
7	CONF	GRP #01-24
8	MGI	MGI Ports
9	MOBEX	MOBEX Ports

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	DISPLAY
1) Press Transfer button and enter 853. Display shows busy functions:	MAINTENANCE BUSY TRK :NONE→
2) Enter busy function type (0-8) via dial keypad. OR Press Volume button to make selection and press Right Soft button to move cursor.	MAINTENANCE BUSY STN :NONE→
3) Enter station number. OR Press Volume button to make selection and press Right Soft button to move cursor.	MAINTENANCE BUSY STN :201→IDLE
4) Press 1 to make busy or 0 to make idle. OR Press Volume button to make selection and press Right Soft button to save and return step 3.	MAINTENANCE BUSY STN :201→BUSY
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 851	ALARM REPORTING
MMC 852	SYSTEM ALARM ASSIGNMENTS

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[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	DISPLAY
1) Press Transfer button and enter 854. Display shows:	DIAGNOSTIC TIME SUN::
2) Enter weekday number. (0: Sun, 1: Mon, …, 6: Sat) OR Press Volume button to make selection and press Right Soft button to move cursor.	DIAGNOSTIC TIME SUN:_:
3) Enter hour (24-hour clock) via the dial keypad. Cursor will advance to next entry.	DIAGNOSTIC TIME SUN:23:_
4) Enter minutes (24-hour clock) via the dial keypad. Cursor will return to step 2.	DIAGNOSTIC TIME SUN:23:30
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

MMC 851	ALARM REPORTING
MMC 852	SYSTEM ALARM ASSIGNMENTS
MMC 853	MAINTENANCE BUSY

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[855] DISPLAY SYSTEM OPTIONS

This MMC provides a means to view miscellaneous hardware and daughter-boards in the system without having to dismantle or power down the system to confirm if the hardware is mounted. This is a READ-ONLY MMC.

MMC [855]

This option may not be available in certain OfficeServ models.

OfficeServ7400 Main System

Option	Description
MP40 SW	Shows DIP software status of MP40
Cx-LP CONN	Shows the status of LP40/LCP card
Cx-LP LOC y	Shows location Daughter Board of Cabinet x Slot y
CxSy SW	Shows the DIP software status of TEPRI card
Cx-RINGETy	Shows the external ringer's existence (This option is only showed using supported LP40, supported cabinet)

OfficeServ7200(MCP, MP20) Main System

Option	Description
MCP LOC x	Shows location Daughter Board of Slot x
MCP SW	Shows DIP software status of MCP
LCP ONLINE	Shows operation status of LCP
CxSxSW	Shows the DIP software status of TEPRI card

ACTION

1) Press Transfer button and enter 855.
   Display shows:

DISPLAY

```
SYSTEM OPTIONS
MP40 SW:00000111
```

2) Press Volume button to view options.

```
SYSTEM OPTIONS
C1-LP CONN:YES
```

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

RELATED ITEMS

NONE

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[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

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[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:

ACTION	DISPLAY
1) Press Transfer button and enter 857. Display shows:	C4-S01:SLT SLT
2) Enter number 1-3 for cabinet number and enter number 1-12 for slot number. OR Press Volume button to scroll.	C4-S01:SLT SLT
3) Press Volume button to scroll card type and Select card type by pressing Right soft button.	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

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[858] OAS CARD SERVICE

OAS is composed of MFR, MGI, and MPS. MFR supports a DTMF receiver, MGI processes voice stream and MPS forwards RTP packets. The MMC is used for configuring the number of channels about MFR and MGI. The MMC is only shown in specific OfficeServ models.
If you want to know OAS information in detail, refer to “R2_noMGI and OAS Specification”.

No	Option	Description
1	C1-S1:SERVICE	Configure the number of channel about MGI and MFR e.g) If MFR is only used, the number of MFR channels depends on the channel supported in a slot. MOBEX: 16 ONLY(16 channels in a slot) MOBEX: 32 ONLY (32 channels in a slot) MOBEX: 64 ONLY (64 channels in a slot)
2	RESTART CARD	Restart OAS Card
3	NO MOBEX CARD	Notify that OAS card is not installed.

DEFAULT DATA

Different value according to an installation slot

ACTION

1) Press Transfer button and enter 858.
   Display shows:

   DISPLAY:
   ```
   C1-S1:SERVICE
   MOBEX:32 ONLY
   ```

2) Enter the option number.
   OR
   Press Volume button to scroll.
   (If OAS card in not installed, ‘NO MOBEX CARD’ message will be shown and user can’t select the other options.)

   DISPLAY:
   ```
   C1-S1:SERVICE
   MOBEX:32 ONLY
   ```

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

   DISPLAY:
   ```
   C1-S1:SERVICE
   MGI:4 + MOBEX:16
   ```

RELATED ITEMS

MMC 831
MMC 843
MMC 861

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[859] HARDWARE VERSION DISPLAY

This MMC is used for system hardware EPLD/PCB version display.
This is a READ-ONLY MMC.

OfficeServ7400 Main System

No	Option	Description
1	MP40 CARD	Shows the EPLD/PCB version of MCP.
2	Cx M-BOARD	Shows the Mother board and EPLD/PCB version cabinet #x.
3	Cx LP CARD	Shows the LP and EPLD/PCB version of cabinet #x.
4	Cx LP-y	Shows the Daughterboard and EPLD/PCB version.
5	CxSyy	Shows the TEPRI card or MGI64 card and EPLD/PCB version.

OfficeServ7200(MCP, MP20) Main System

No	Option	Description
1	MCP M-BOARD	Shows the Mother board and EPLD/PCB version cabinet .
2	MCP CARD	Shows the EPLD/PCB version of MCP.
3	MCP B-x	Shows the MCP's Daughterboard #x and EPLD/PCB version
4	CxSy	Shows the card and EPLD/PCB version of cabinet #x slot #y.
5	LCP M-BOARD	Shows the LCP board
6	LCP CARD	Shows the EPLD/PCB version of LCP.

Others

No	Option	Description
00	M-BOARD	Shows the Mother board version of cabinet
01	MP CARD	Shows the EPLD/PCB version of MP card
04	MODEM	Show the Modem version.
-	CxSy	Shows the EPLD/PCB version of card in cabinet x/slot y

DEFAULT DATA

NONE

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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
MP40 CARD   :V11
```

```
EPLD/PCB VERSION
C1 M-BOARD :V11
```

RELATED ITEMS

NONE

[860] LICENSE

This MMC is used for setting all types of licenses. Please note that license scheme has been changed from v4.30. In earlier versions, OfficeServ had a single license scheme: all service licenses were contained in a single license key. However, in v4.30 each different service has each different license key as following.

No.	Parameter	Description
0	PBX LICENSE (OLD)	This is for backwards compatible with earlier version than V4.30. If having license in previous version, the license should be inserted in this parameter.
1	PBX LICENSE STS	This is for backwards compatible with earlier version than V4.30 .If inserted license is valid, license details are shown.
2	PBX LICENSE STACK	This is for backwards compatible with earlier version than V4.30. Designate the SIP Stack within the number allowed in the license.
3	SIP LICENSE	Insert license for sip stack.
4	SIP LICENSE STS	If inserted license is valid, license details are shown. Display assigned information of sip stack for SIP Trunk, SIP Station including 3rd party, SIP application (e.g. IP-UMS/IVR)
5	SERVICE LICENSE	Insert license for H323, Soft phone, MOBEX, IP Phone, WIFI Phone, Call Manager.
6	SERVICE LIC STS	If inserted license is valid, license details are shown.
7	RESOURCE	Insert the license for MGI, VMS. (This option may not be available in certain OfficeServ models.)
8	RESOURCE LIC STS	If inserted license is valid, license details are shown.
9	TEMP LICENSE	This can have 3 values. - DISABLE - URGENT ENABLE: If a license key with an old MAC address is entered, even if the MAC addresses differ, the old license shall be able to be used for two weeks. If a normal license is entered while an urgent license is being operated, it shall be disabled automatically. The urgent license shall be used just one time on the same H/W. - TUTORIAL ENABLE: A license function for tutorial shall be added. It shall be operated only when there is no normal license key. But if normal license is inserted, tutorial license is changed to disable and the normal license is used automatically. After being enabled, it can be used for 2 weeks. When the tutorial license is enabled, the available resources shall be available as follows.

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(Continued)

No.	Parameter	Description
9	TEMP LICENSE	2 VM channels 2 MGI channels 2 MOBEX Executive users 2 Soft phones 2 H.323 trunks 2 SIP trunks 2 Samsung SIP phones 2 3rd-Party SIP phones 2 Samsung SIP applications 2 IP Phones 2 WiFi Phones 2 Call Managers

DEFAULT DATA

SEE DESCRIPTION

ACTION

1) Press Transfer button and enter 860.
   Display shows the first available option.

2) Press Volume button to make select or press Right Soft button to move cursor.

3) Enter license data
   OR
   Press Volume button to make select and press Right Soft button to move cursor.

4) 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

```
PBX LICENSE (OLD)
```

```
PBX LICENSE (OLD)
_
```

```
PBX LICENSE (OLD)
NTOXNBML-IJJ02Y0X-3YUL
```

```
PBX LICENSE (OLD)
NTOXNBML-IJJ02Y0X-3YUL
```

RELATED ITEMS

NONE

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[861] SYSTEM OPTIONS

Sets a number of system options.

No	Option	Description
0	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.
1	SYSTEM SPPED BIN	Sets max 500 (0) or max 950 (1) for the maximum number of system speed dial bin.
2	IDLE WHEN ENBLOC	Decides the state of Large LCD Phone treated as idle or busy when the user of Large LCD Phone is dialing in ENBLOCK mode.
3	2 LINE ENBLOCK	Decides the usage of ENBLOCK mode for 2 line LCD Phone with navigation buttons.
4	2 ZONE EXT PAGE	Decides whether 2 Zone external paging is enabled or not. (This option may not be available in certain OfficeServ models.)
5	USE LB FOR PAGE	Decides whether LB port of MISC card is used as ROP port or not. (This option may not be available in certain OfficeServ models.)
6	LP TRK TONE DISC	When this option is set to ON, loop trunk can be disconnected by detecting busy tone.
7	SPNET OVERLAP	Designate whether to operate as the OVERLAP Mode in case of SPNET Dialing.
8	SPNET CLI TABLE	This is the option to display the designated CLI number instead of the (NODE + extension number) in the CLIP table of the MMC323 when the network call is received in the KB net.
9	E-LCR CLI TABLE	This is the option to comply with the clip table in case of the E-LCR Call.
10	EXTERNAL BGM/MOH	Background music source can use internal source or external source. In case of external source, music source can be supported in MISC port. (This option may not be available in certain OfficeServ models.)
11	LCP CABINET TYPE	The OfficeServ 7200 can also use the OfficeServ 7100 as a expansion cabinet. This option can be shown in the OfficeServ 7200. 0: OS7200 CABINET 1: OS7100 CABINET
12	MAX CHAIN FWDALL	If ALL CALL FORWARD or BUSY FORWARD is set, it is possible to designate how many hops can be supported.

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(Continued)

No	Option	Description	
13	PINGRING SERVICE	This is the option to support PING RING SERVICE. The PING RING SERVICE means that the stations which are same pickup group can display the information of a call and ring after designated time just one time.	
14	ISDN PROG IND	If this option is set, a call can be cleared by ISDN Progress Indicator message	
15	ISDN SS FEATURE	Decides whether ISDN SS (Supplement Service) is used or not. This can be set per card type (BRI/PRI). This option may not be available in certain countries.	
17	MOBEX EXEC OPTN	AUTH BY CLI	When this option is set to ON, If incoming MOBEX call has registered CLI, The call is authenticated without authorization process.
		AUTH TONE	When this option is set to ON, user can select tone, which is played for incoming MOBEX call during authorization process.
		TONE SOURCE	Select between TONE and 371 for Authorization tone.
		BLF BY CLI	If incoming MOBEX call has registered CLI, BLF service is set to the paired extension.
		ANSWER TIME	This is waiting time before MOBEX call is connected.
18	VOIP RTP OPTION	DTMF	There are three types of DTMF transmission: IN VOICE-DTMF tone is included in RTP stream, RFC2833- RFC 2833 RTP Event is included in RTP Stream, OUTBAND- DTMF data is transferred on the VoIP signaling.
		MPS SERVICE	Enable or Disable Media Proxy Server. MPS forwards RTP streams and supports NAT traversal which redirect a RTP stream when remote ITP/SIP phone is in NAT/firewall environments (This option may not be available in certain OfficeServ models.).
		NO MPS → MGI	The option indicates whether a system will used MGI resource or not when MPS resource is short. (This option may not be available in certain OfficeServ models.).

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ACTION

DISPLAY

1) Press Transfer button and enter 861.
   Display shows:

```
AUTO UPDATE TIME
DISABLE
```

2) Enter the option number.
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
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.

```
AUTO UPDATE TIME
ENABLE
```

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

RELATED ITEMS

NONE

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[863] SYSTEM NODE INFORMATION

This MMC is the program that specifies the system information of SPNET (Samsung Protocol Networking). It is useful when many systems are consisted through SPNET and interlocked with LCR. There are maximum 2000 entries.

No	Option	Description
0	ACCESS NUM	Other System's ID
1	IP ADDR	Other System's IP address
2	TEL NUMBER	Rerouting Trunk Number (excluding VoIP Trunk Number). If SPNET function is not work, Call is rerouted through this trunk
3	MAX COUNT	If you dial a valid digit string until Max Count number, the system set up call.
4	NO MGI	No: Use MGI as of old, Yes: Don't use MGI (This option can be shown in case that MMC 861 'MPS SERVICE' set to ENABLE)

SPNET is VoIP Network function developed by Samsung. (it is not standard function.)

CONDITIONS

LINK ID should not be inputted at MMC 820 SYSTEM LINK and ACCESS NUMBER & TEL NUMBER should be inputted at LCR table.

ACTION	DISPLAY
1) Press Transfer button and enter 863. Display shows:	(0001) ACCESS NUM
2) Enter the node entry number. OR Press Volume button to select and press Right Soft button to move cursor.	(0001) ACCESS NUM
3) Enter the option number OR Press Volume button to select and press Right Soft button to store.	(0001) ACCESS NUM
4) Enter the access number.	(0001) ACCESS NUM 1

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

RELATED ITEMS

MMC 710 LCR DIGIT

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[865] FAN POWER CONTROL

This MMC is the program that can control power of FAN located in the cabinet.

CONDITIONS

When using the MMC [865]

This MMC is only shown in OfficeServ 7400 because OfficeServ 7400 only supports FAN POWER CONTROL.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 865.
   Display shows:

2) Select the cabinet number. (1~3)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

3) Enter OFF if power off fan or ON if power on.
   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

```
FAN PWR CONTROL
CABINET1 FAN:OFF
```

```
FAN PWR CONTROL
CABINET1 FAN:OFF
```

```
FAN PWR CONTROL
CABINET1 FAN:ON
```

RELATED ITEMS

NONE

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[867] IRM DSP MODE SELECT

This MMC can assign IRM CH mode. IRM D-Board Channels can be operated one mode of DTMFR, R2MFC, CID.
If there is not IRM Board, displays 'NO IRM'.
This option may not be available in certain OfficeServ models.

Type	Option
OfficeServ7400	C:1-LOC:1-CH:01 DTMFR (DTMFR)

CONDITION

IRM board must be equiped in LP40.

DEFAULT DATA

CH01-16:DTMFR

ACTION

DISPLAY

1) Press Transfer button and enter 867.
Display shows:

```
C:1-LOC:1-CH:01
DTMFR  →DTMFR
```

2) Dial the cabinet number. (1-3)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
C:1-LOC:1-CH:01
DTMFR  →DTMFR
```

3) Dial the LOC number. (1-2)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
C:1-LOC:1-CH:01
DTMFR  →DTMFR
```

4) Dial the DSP number. (1-2)
OR
Press Volume button to select and press Right Soft button to move cursor.

```
C:1-LOC:1-CH:01
DTMFR  →DTMFR
```


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5) Dial digit to select CRM mode. (0-2)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

```
C:1-LOC:1-CH:01
DTMFR  →DTMFR
```

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

RELATED ITEMS

NONE

[868] REMOTE STATION

Assigns the digit translation table used per remote stations for networking. And the maxinum value of the remote station is 2000 and it can be assinged in MMC724 ('REMOTE STN NUMB' option)

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 868.
   Display shows:

   DISPLAY:
   ```
   0001:TEL#[2201]
   DGP:
   ```

2) Select the remote station number. (0001~2000)
   OR
   Press Volume button to select and press Right Soft button to move cursor.

   DISPLAY:
   ```
   0001:TEL#[2201]
   DGP:
   ```

3) Enter digit string for access to node and press Right Soft button to move cursor.

   DISPLAY:
   ```
   0001:TEL#[2201]
   DGP:0022201
   ```

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

RELATED ITEMS

MMC724	NUMBER PLAN
MMC824	NTWK ICR DGT

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[889] DISPLAY SERVER STATUS

This MMC displays the history of connection and disconnection to the WIM card and Feature Server with the MCP card. Also allows you to clear the recorded history log.

When using the MMC [889]

This option may not be available in certain OfficeServ models.

DEFAULT DATA

NONE

ACTION

1) Press Transfer button and enter 889.
   Display shows:

2) Press Volume button to scroll displays.

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

DISPLAY

```
TOTAL LOG CNT: 00
CLR RECORDED? NO
```

```
(01) 11/11 11:10
CONN-FEAT SERVER
```

```
(02) 11/13 11:20
CONN-FEAT SERVER
```

RELATED ITEMS

NONE

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[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	DISPLAY
1) Press Transfer button and enter 890. Display shows:	[201] CALL CLEAR ARE YOU SURE?NO
2) Enter the station or Trunk line. OR Press Volume button to make selection and press the Right Soft button to move cursor.	[202] CALL CLEAR ARE YOU SURE?NO
3) Enter 0 to call clear only or 1 to initialize port. OR Press Volume button to make selection and press the Right Soft button to move cursor.	[202] DB INITIAL ARE YOU SURE?NO
4) Enter 1 for YES or 0 for NO. OR Press Volume button to make selection and press the Right Soft button to save and return to step 2.	[202] DB INITIAL ARE YOU SURE?YES
5) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

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ABBREVIATION

A

AA	Auto Attendant
AAA	Authentication, Authorization and Accounting
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)

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D

DASL	Digital Adapter Subscriber Loops
DID	Direct Inward Dialing
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
IVR	Interactive Voice Response
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

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ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
ITM	IP Telephony Module
ITP	IP Telephone

K

KDB	Keyset Daughterboard

L

LAN	Local Area Network
LCD	Liquid Crystal Display
LCP	Local Control Processor
LCR	Least Cost Routing
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
MPD	Metering Pulse Detection
MWSLI	Message Waiting Single Line Interface

N

NAT	Network Address Translation
NMS	Network Management System

O

OHVA	Off Hook Voice Announcement
OPX	Off Premises Extension

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P

PBA	Printed (circuit) Board Assembly
PBX	Private Branch eXchange
PCB	Printed Circuit Board
PCM	Pulse Code Modulation
PCMMC	PC-based Man Machine Communication
PLL	Phase Locking Loop
POP3	Post Office Protocol version 3
PPPoE	Point to Point Protocol over Ethernet
PRI	Primary Rate Interface
PRS	Polarity Reverse Detection
PSTN	Public Switched Telephone Network
PSU	Power Supply Unit

Q

Q-SIG	Q-Signaling
QoS	Quality of Service

R

RCM	R2/CID Module
RIP	Routing Information Protocol
RPO	Ring Plan Override
RTCP	Real-time Transmission Control Protocol
RTP	Real-time Transmission Protocol

S

SCP	Signal Control Processor
SDP	Session Description Protocol
SG	Signaling Gateway
SGCP	Simple Gateway Control Protocol
SIGTRAN	Signaling Transport
SIO	Serial Input/Output
SIP	Session Initiation Protocol
SLI	Single Line Interface
SLT	Single Line Telephone
SMDR	Station Message Detail Recording
SMTP	Simple Mail Transfer Protocol
SoL	Server optimized Linux
STA	Spanning Tree Algorithm
STP	Signaling Transfer Point
SVMi	Samsung Voice Mail integrated

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T

TAPI	Telephony Application Programming Interface
TCAP	Transmission Control Application Part
TCP	Transmission Control Protocol
TEPRI	T1E1 Private Rate Interface
TMC	Trunk Module Controller
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
UMS	Unified Messaging System
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 7000 Series Call Server

Programming Manual

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