TABLE OF CONTENTS

PROGRAMMING SECTION

PART	DESCRIPTION	PAGE
1	**INTRODUCTION TO PROGRAMMING**	
1.1	PROGRAMMING OVERVIEW	1.1.1
1.2	PROGRAMMING LEVELS	1.2.1
1.3	SYSTEM MEMORY MANAGEMENT	1.3.1
1.4	DEFAULTING THE SYSTEM	1.3.2
1.5	PROGRAM LIST IN NUMERICAL ORDER	1.3.1
1.6	PROGRAM LIST IN ALPHABETICAL ORDER	1.4.1
1.7	MMC'S ASSOCIATED BY CATEGORY	1.5.1
2	**PROGRAM PROCEDURES**	
2.1	OVERVIEW	2.1.1
	MMCS APPEAR IN NUMERICAL ORDER	

PART 1. INTRODUCTION TO PROGRAMMING

1.1 PROGRAMMING OVERVIEW

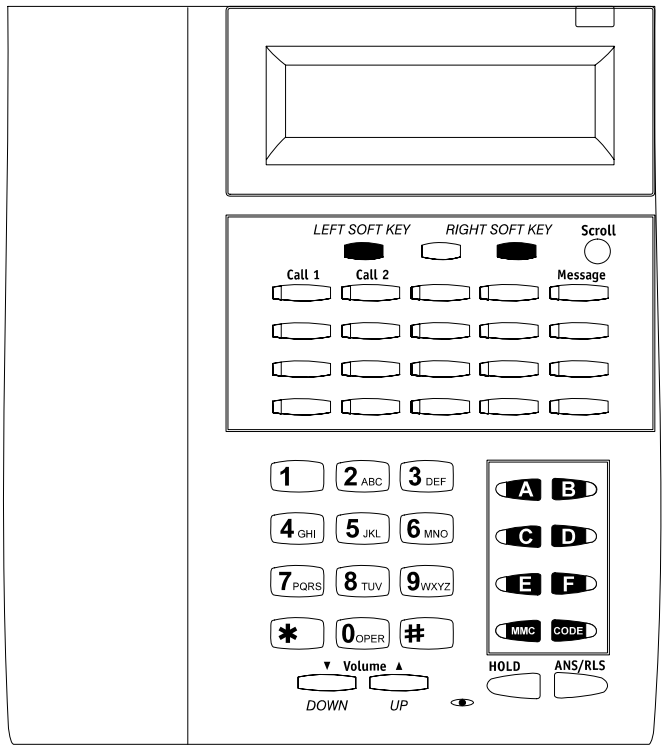
The OfficeServ 7400 system arrives from the factory with default data. Connect it to trunks, stations and power, turn the system on and it is fully operational. The only thing left to do is customize the data to fit the customer's needs. This is called programming the system.

MMC stands for Man Machine Code and each program is assigned a different three digit code. These MMC codes are used to view, create or change customer data. Programming is simply deciding what needs to be done and knowing which MMC is used to do it. For example, use MMC 601 to create a station group. System speed dial numbers are entered in MMC 705 and soft keys are assigned to individual keysets using MMC 722.

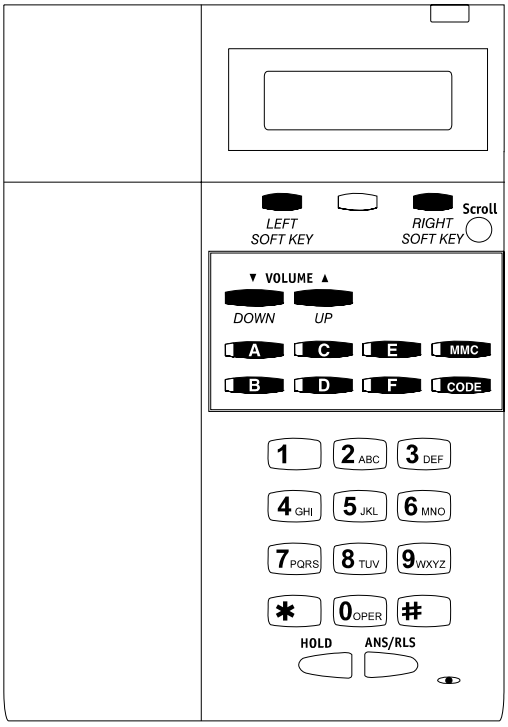
System programming may be done from any two line display keyset. The first thing you must do is open system programming. As a security measure, a passcode must be known to do this.

- **iDCS KEYSETS**

This diagram illustrates the keys on **a iDCS 28 BUTTON and a iDCS 18 BUTTON keyset** that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.

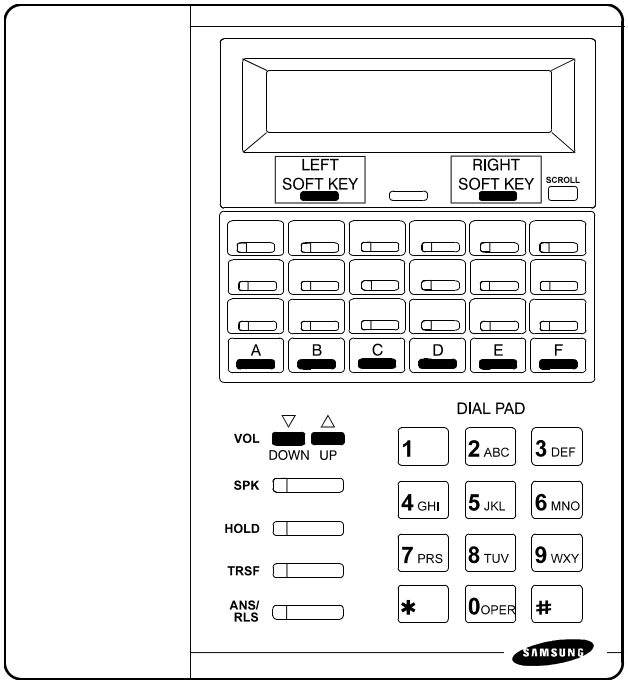


This diagram illustrates the keys on a **iDCS 8 BUTTON keyset** that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.



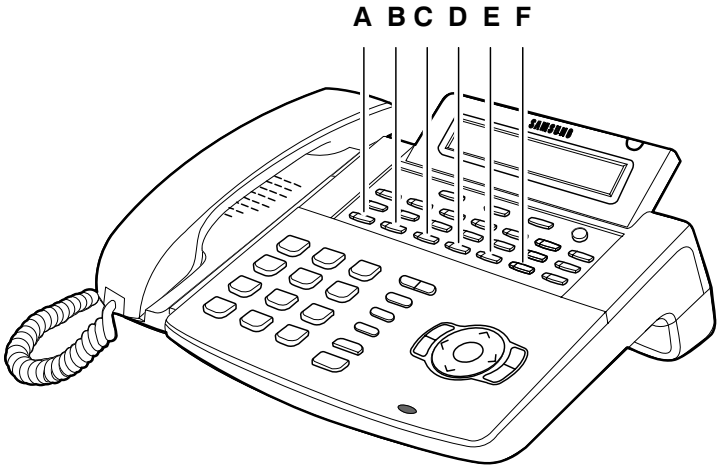
• DCS KEYSETS

This diagram illustrates the keys on a display keyset that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.



• ITP-5121D KEYSETS and DS 5000 Series KEYSETS

This diagram illustrates the keys on **ITP 5121-D, DS 5021D, DS 5014D and DS 5007S keysets** that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.



1.2 PROGRAMMING LEVELS

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

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

A. System level

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

B. Customer level

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

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

C. Station level

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

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

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

1.3 SYSTEM MEMORY MANAGEMENT

In **previous** OfficeServ Systems such as the OfficeServ 100, 500, and 7200, SRAM memory stored the active system database and Smart Media was where the Database was saved on a more permanent basis. The SRAM was battery-backed on the MCP card by a super-capacitor with a battery backup switch which could clear the memory and default the system. However, the memory architecture of the OfficeServ 7400 is considerably different.

The OS7400 has 4 types of memory:

1) **SRAM (2MB):** Holds information such as Call Logs, Alarms, UCD call stats, program logs and traffic reports. SRAM is backed by the Super Capacitor on the MP40. If the switch is ON, data can last up to 12 hours without main system power. The SRAM DOES NOT STORE THE SYSTEM DATABASE.

2) **DRAM**: This is where active system Database resides. During WebMMC or KMMC programming, the data being programmed is written to DRAM.

   DRAM IS CLEARED WHEN SYSTEM BOOTS. During system boot up, the latest NAND FLASH contents are reloaded into DRAM.

3) **NAND FLASH**: A more permanent memory that will hold the system database for many years. During WebMMC or KMMC programming, the data being programmed is written to DRAM. The database will be written from DRAM to NAND FLASH upon the following conditions:
   - 5 minutes after a system boot
   - From that point every 15 minutes
   - When you log out of WebMMC or KMMC (mmc 800 disable)
   - When KMMC or WebMMC lockout timer expires
   - MMC 811 restart

4) **SMART MEDIA (32MB):** When you use MMC 815 and save the Database to Smart Media, it copies the active Database from DRAM and saves it to Smart Media. This way the most up-to-date database is saved to Smart media.

   WHAT THIS MEANS TO YOU?
   From the information described above, you can see that if you made a programming change in KMMC and pressed the right soft key to save, the change is made immediately to DRAM and the change takes effect immediately. Likewise, if you make a programming change using WebMMC and click the SAVE button, the change is effective immediately and is saved to DRAM active system database. However, once the change is saved in DRAM, if the system reboots before one of the events listed in item 3 above occurs, then you will lose the changes you just made. This is because the changes never got a chance to write from DRAM to

NAND FLASH. NAND FLASH is what is loaded into the DRAM when the system boots back up.

Thus it is highly recommended that you frequently log out of KMMC or WebMMC programming to force the DRAM to save to NAND FLASH.

1.4 DEFAULTING THE SYSTEM

You can no longer default the system by turning the MP40 battery backup switch OFF then ON again. Turning the battery backup switch OF then ON again will simply clear the SRAM which contains the data mentioned above. You can default the OS7400 in the following ways:

1) MMC 811 MEMORY CLEAR (however mmc 830 IP address information will be retained).
2) Leave the MP40 battery backup switch in the OFF position and boot the system. This is a FULL default. You will have to power down and turn the battery back up switch back ON and reboot.
3) When the Country Selection is changed by MMC 812 or the MP40 DIP SWITCHES

IMPORTANT REMINDER

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

Now begin entering customer data

1.5 PROGRAM LIST IN NUMERICAL ORDER

100 STATION LOCK
101 CHANGE USER PASSCODE
102 CALL FORWARD
103 SET ANSWER MODE
104 STATION NAME
105 STATION SPEED DIAL
106 STATION SPEED DIAL NAME
107 KEY EXTENDER
108 STATION STATUS
109 DATE/TIME DISPLAY
110 STATION ON/OFF
111 KEYSET RING TONE
112 ALARM CLOCK
114 STATION VOLUME
115 SET PROGRAMMED MESSAGE
116 ALARM REMINDER
117 TEXT MESSAGE
118 CONFERENCE GROUP
119 CALLER ID / ANI DISPLAY
120 LARGE LCD OPTION
121 STATION LANGUAGE ASSIGNMENT
122 SPOT INFO SPD
125 EXECUTIVE PRESENT STATE
200 OPEN CUSTOMER PROGRAMMING
201 CHANGE CUSTOMER PASSCODE
202 CHANGE FEATURE PASSCODE
203 ASSIGN UA DEVICE
204 COMMON BELL CONTROL
205 ASSIGN LOUD BELL
206 BARGE-IN TYPE
207 ASSIGN VM/AA PORT
208 ASSIGN RING TYPE
209 ASSIGN ADD-ON MODULE
210 CUSTOMER ON/OFF PER TENANT
211 DOOR RING ASSIGNMENT
214 DISA ALARM RINGING STATION
217 STATION PAIR
219 TRAFFIC REPORT PRINTOUT
223 ISDN SERVICE TYPE
224 WAKE-UP AA
300 CUSTOMER ON/OFF PER STATION
301 ASSIGN STATION COS
302 PICKUP GROUPS
303 ASSIGN EXECUTIVE/SECRETARY
304 ASSIGN EXTENSION/TRUNK USE
305 ASSIGN FORCED CODE
306 HOT LINE
308 ASSIGN BACKGROUND MUSIC SOURCE
309 ASSIGN STATION MUSIC ON HOLD
223 ISDN SERVICE TYPE
310 LCR CLASS OF SERVICE
312 ALLOW CID / ANI
313 COPY STATION/TRUNK USE
314 ASSIGN STATION/STATION USE
315 CUSTOMER SET RELOCATION
316 PRESET FORWARD NO ANSWER
317 TIME/COST DISPLAY OPTION
320 BRANCH GROUP
321 SEND CLI NUMBER
324 SLI2 GAIN
400 CUSTOMER ON/OFF PER TRUNK
401 C.O./PBX LINE
402 TRUNK DIAL TYPE
403 TRUNK TOLL CLASS
404 TRUNK NAME
405 TRUNK TELEPHONE NUMBER
406 TRUNK RING ASSIGNMENT
407 FORCED TRUNK RELEASE
408 ASSIGN TRUNK MOH SOURCE
409 TRUNK STATUS READ
410 ASSIGN DISA TRUNK
411 ASSIGN T1 SIGNAL TYPE
412 ASSIGN TRUNK SIGNAL
414 ASSIGN CALLER ID / ANI TRUNKS
415 REPORT TRUNK ABANDON DATA
416 E&M/DID RING
417 TRK TMC GAIN
418 TRUNK GAIN CONTROL
419 DISTINCTIVE RINGING
420 ANI / DNIS OPTIONS
421 TRUNK COS
422 COST RATE
424 PRI CARD RESTART
430 PRI CONTROL
432 CONNECTION STATUS
500 SYSTEM-WIDE COUNTERS
501 SYSTEM TIMERS
502 STATION-WIDE TIMERS
503 TRUNK-WIDE TIMER
504 PULSE MAKE/BREAK RATIO
505 ASSIGN DATE AND TIME
506 TONE CADENCE
507 ASSIGN RING PLAN TIME
510 SLI RING CADENCE
511 MESSAGE WAITING LAMP CADENCE
512 HOLIDAY ASSIGNMENT
515 ASSIGN DAYLIGHT SAVINGS DATE
600 ASSIGN OPERATOR GROUP
601 ASSIGN STATION GROUP
602 STATION GROUP NAME

603 ASSIGN TRUNK GROUP
604 ASSIGN INTERNAL PAGE ZONES
605 ASSIGN EXTERNAL PAGE ZONE
606 ASSIGN SPEED BLOCK
607 UCD OPTIONS
608 ASSIGN REVIEW BLOCK
609 CALL LOG BLOCK
611 ALLOW TEXT MESSAGING
612 GROUP CONFERENCE ALLOW
614 SET A STATION / C.O. LINE CALL GROUP
615 MGI GROUP
616 MGI USER
700 COPY COS CONTENTS
701 ASSIGN COS CONTENTS
702 TOLL DENY TABLE
703 TOLL ALLOWANCE TABLE
704 ASSIGN WILD CHARACTER
705 ASSIGN SYSTEM SPEED DIAL
706 SYSTEM SPEED DIAL BY NAME
707 AUTHORIZATION CODE
708 ACCOUNT CODE
709 TOLL PASS CODE/SPECIAL CODE TABLE
710 LCR DIGIT TABLE
711 LCR TIME TABLE
712 LCR ROUTE TABLE
713 LCR MODIFY DIGIT TABLE
714 DID NUMBER AND NAME TRANSLATION
715 PROGRAMMED STATION MESSAGE
717 MY AREA CODE
718 UCD AGENT ID
719 IDLE DISPLAY
720 COPY KEY PROGRAMMING
721 SAVE STATION KEY PROGRAMMING
722 STATION KEY PROGRAMMING
723 SYSTEM KEY PROGRAMMING
724 DIAL NUMBERING PLAN
725 SMDR OPTIONS
726 VM/AA OPTIONS
727 SYSTEM VERSION DISPLAY
728 CID / ANI TRANSLATION TABLE
729 RATE CALCULATION TABLE
730 COSTING DIAL PLAN
740 VM CARD RESTART
741 USER MAILBOX
743 AUTO RECORD
744 VM DAY / NIGHT
745 WARNING DESTINATION
746 VM HALT
747 VM ALARM
748 ASSIGN VM MOH
749 VM IN/OUT
759 CLI RINGING
800 ENABLE TECHNICIAN PROGRAM
801 CHANGE TECHNICIAN PASSCODE
802 CUSTOMER ACCESS MMC NUMBER
803 ASSIGN TENANT GROUP
805 LEVEL & GAIN
806 CARD PRE-INSTALL
807 ADJUST DIGITAL PHONE TONE QUALITY
808 T1 PARAMETERS
810 HALT PROCESSING
811 RESET SYSTEM
812 SET COUNTRY
815 CUSTOMER DATABASE COPY
816 CONFERENCE GAIN
818 PROGRAM DOWNLOAD
819 SMARTMEDIA FILE CONTROL
820 ASSIGN SYSTEM LINK ID
821 Q-SIG TRUNK
822 VIRTUAL STATION TYPE
823 NETWORK COS
824 NETWORK DIAL PLAN
825 NETWORK OPTIONS
826 CLOCK SOURCE
827 CRM DSP MODE
829 LAN PRINTER PARAMETER
830 ETHERNET PARAMETERS
831 MGI PARAMETERS
832 VOIP OUTBOUND DIGITS
833 VOIP IP ADDRESS
834 H.323 OPTION
835 MGI DSP OPTION
836 H.323 GK OPTION
837 SIP OPTIONS
838 PRIVATE IP ADDRESS
840 IP SET INFO
844 IP STATION TYPE
845 WLI PARAMETERS
846 WIP INFO
847 WLI RESET
848 WLAN IP/MAC
849 WLAN CONFIG
850 SHOW SYSTEM RESOURCES
851 ALARM REPORTING
852 SYSTEM ALARM ASSIGNMENTS
853 MAINTENANCE BUSY
854 DIAGNOSTIC TIME
855 SYSTEM HARDWARE OPTIONS
856 TECH PROGRAMMING LOGS
857 VIRTUAL CABINETS
859 HARDWARE VERSION
860 UCD VIEW SERVICE
861 SYSTEM OPTION
865 FAN POWER CONTROL
889 DISPLAY SERVER STATUS
890 PORT CLEAR

1.6 PROGRAM LIST IN ALPHABETICAL ORDER

708 ACCOUNT CODE
209 ADD-ON MODULE ASSIGN
807 ADJUST DIGITAL PHONE TONE QUALITY
112 ALARM CLOCK
116 ALARM REMINDER
851 ALARM REPORTING
420 ANI / DNIS OPTIONS
704 ASSIGN WILD CHARACTER
707 AUTHORIZATION CODE
743 AUTO RECORD
308 BACKGROUND MUSIC SOURCE ASSIGN
206 BARGE-IN TYPE
320 BRANCH GROUP
401 C.O./PBX LINE
102 CALL FORWARD
609 CALL LOG BLOCK
119 CALLER ID / ANI DISPLAY
414 CALLER ID / ANI TRUNKS ASSIGN
806 CARD PRE-INSTALL
312 CID / ANI ALLOW
728 CID / ANI TRANSLATION TABLE
759 CLI RINGING
826 CLOCK SOURCE
204 COMMON BELL CONTROL
816 CONFERENCE GAIN
118 CONFERENCE GROUP
432 CONNECTION STATUS
700 COPY COS CONTENTS
720 COPY KEY PROGRAMMING
313 COPY STATION/TRUNK USE
701 COS CONTENTS ASSIGN
422 COST RATE
730 COSTING DIAL PLAN
827 CRM DSP MODE
802 CUSTOMER ACCESS MMC NUMBER
815 CUSTOMER DATABASE COPY
300 CUSTOMER ON/OFF PER STATION
210 CUSTOMER ON/OFF PER TENANT
400 CUSTOMER ON/OFF PER TRUNK
201 CUSTOMER PASSCODE CHANGE
315 CUSTOMER SET RELOCATION
505 DATE AND TIME ASSIGN
109 DATE/TIME DISPLAY
515 DAYLIGHT SAVINGS DATE ASSIGN
854 DIAGNOSTIC TIME
724 DIAL NUMBERING PLAN
714 DID NUMBER AND NAME TRANSLATION
214 DISA ALARM RINGING STATION
410 DISA TRUNK ASSIGN
889 DISPLAY SERVER STATUS
419 DISTINCTIVE RINGING
211 DOOR RING ASSIGNMENT
416 E&M/DID RING
830 ETHERNET PARAMETERS
125 EXECUTIVE PRESENT STATE
303 EXECUTIVE/SECRETARY ASSIGN
304 EXTENSION/TRUNK USE ASSIGN
605 EXTERNAL PAGE ZONE ASSIGN
865 FAN POWER CONTROL
202 FEATURE PASSCODE CHANGE
305 FORCED CODE ASSIGN
407 FORCED TRUNK RELEASE
612 GROUP CONFERENCE ALLOW
836 H.323 GK OPTION
834 H.323 OPTION
810 HALT PROCESSING
859 HARDWARE VERSION
512 HOLIDAY ASSIGNMENT
306 HOT LINE
719 IDLE DISPLAY
604 INTERNAL PAGE ZONES ASSIGN
840 IP SET INFO
223 ISDN SERVICE TYPE
107 KEY EXTENDER
111 KEYSET RING TONE
829 LAN PRINTER PARAMETER
120 LARGE LCD OPTION
310 LCR CLASS OF SERVICE
710 LCR DIGIT TABLE
713 LCR MODIFY DIGIT TABLE
712 LCR ROUTE TABLE
711 LCR TIME TABLE
805 LEVEL & GAIN
205 LOUD BELL ASSIGN
853 MAINTENANCE BUSY
511 MESSAGE WAITING LAMP CADENCE
835 MGI DSP OPTION
615 MGI GROUP
831 MGI PARAMETERS
616 MGI USER
717 MY AREA CODE
823 NETWORK COS
824 NETWORK DIAL PLAN
825 NETWORK OPTIONS
200 OPEN CUSTOMER PROGRAMMING
600 OPERATOR GROUP ASSIGN
302 PICKUP GROUPS
890 PORT CLEAR
316 PRESET FORWARD NO ANSWER
424 PRI CARD RESTART
430 PRI CONTROL
838 PRIVATE IP ADDRESS

818 PROGRAM DOWNLOAD
715 PROGRAMMED STATION MESSAGE
504 PULSE MAKE/BREAK RATIO
821 Q-SIG TRUNK
729 RATE CALCULATION TABLE
415 REPORT TRUNK ABANDON DATA
811 RESET SYSTEM
608 REVIEW BLOCK ASSIGN
507 RING PLAN TIME ASSIGN
208 RING TYPE ASSIGN
721 SAVE STATION KEY PROGRAMMING
321 SEND CLI NUMBER
614 SET A STATION / C.O. LINE CALL GROUP
103 SET ANSWER MODE
812 SET COUNTRY
115 SET PROGRAMMED MESSAGE
850 SHOW SYSTEM RESOURCES
837 SIP OPTIONS
510 SLI RING CADENCE
324 SLI2 GAIN
819 SMARTMEDIA FILE CONTROL
725 SMDR OPTIONS
606 SPEED BLOCK ASSIGN
122 SPOT INFO SPD
301 STATION COS ASSIGN
601 STATION GROUP ASSIGN
602 STATION GROUP NAME
722 STATION KEY PROGRAMMING
121 STATION LANGUAGE ASSIGNMENT
100 STATION LOCK
309 STATION MUSIC ON HOLD ASSIGN
104 STATION NAME
110 STATION ON/OFF
217 STATION PAIR
105 STATION SPEED DIAL
106 STATION SPEED DIAL NAME
108 STATION STATUS
114 STATION VOLUME
314 STATION/STATION USE ASSIGN
502 STATION-WIDE TIMERS
852 SYSTEM ALARM ASSIGNMENTS
855 SYSTEM HARDWARE OPTIONS
841 SYSTEM IP OPTION
723 SYSTEM KEY PROGRAMMING
820 SYSTEM LINK ID ASSIGN
861 SYSTEM OPTION
705 SYSTEM SPEED DIAL ASSIGN
706 SYSTEM SPEED DIAL BY NAME
501 SYSTEM TIMERS
727 SYSTEM VERSION DISPLAY
500 SYSTEM-WIDE COUNTERS
411 T1 SIGNAL TYPE ASSIGN
856 TECH PROGRAMMING LOGS
808 T1 PARAMETERS
801 TECHNICIAN PASSCODE CHANGE
800 TECHNICIAN PROGRAM ENABLE
803 TENANT GROUP ASSIGN
117 TEXT MESSAGE
611 TEXT MESSAGING ALLOW
317 TIME/COST DISPLAY OPTION
703 TOLL ALLOWANCE TABLE
702 TOLL DENY TABLE
709 TOLL PASS CODE/SPECIAL CODE TABLE
506 TONE CADENCE
219 TRAFFIC REPORT PRINTOUT
417 TRK TMC GAIN
421 TRUNK COS
402 TRUNK DIAL TYPE
418 TRUNK GAIN CONTROL
603 TRUNK GROUP ASSIGN
408 TRUNK MOH SOURCE ASSIGN
404 TRUNK NAME
406 TRUNK RING ASSIGNMENT
412 TRUNK SIGNAL ASSIGN
409 TRUNK STATUS READ
405 TRUNK TELEPHONE NUMBER
403 TRUNK TOLL CLASS
503 TRUNK-WIDE TIMER
203 UA DEVICE ASSIGN
718 UCD AGENT ID
607 UCD OPTIONS
860 UCD VIEW SERVICE
741 USER MAILBOX
101 USER PASSCODE CHANGE
857 VIRTUAL CABINETS
822 VIRTUAL STATION TYPE
747 VM ALARM
740 VM CARD RESTART
744 VM DAY / NIGHT
746 VM HALT
749 VM IN/OUT
748 VM MOH ASSIGN
726 VM/AA OPTIONS
207 VM/AA PORT ASSIGN
833 VOIP IP ADDRESS
832 VOIP OUTBOUND DIGITS
224 WAKE-UP AA
745 WARNING DESTINATION
846 WIP INFO
849 WLAN CONFIG
848 WLAN IP/MAC
845 WLI PARAMETERS
847 WLI RESET

1.7 MMC'S ASSOCIATED BY CATEGORY

KEYSET USER OPTIONS

ALARM CLOCK 112
ALARM REMINDER 116
CALL FORWARD 102
CALLER ID / ANI DISPLAY 119
CHANGE USER PASSCODE 101
CONFERENCE GROUP 118
DATE / TIME DISPLAY 109
EXECUTIVE PRESENT STATE 125
KEY EXTENDER 107
KEYSET RING TONE 111
LARGE LCD OPTION 120
SPOT INFO SPD 122
STATION ON/OFF 110
SET ANSWER MODE 103
SET PROGRAMMED MESSAGE 115
STATION LANGUAGE ASSIGNMENT 121
STATION LOCK 100
STATION NAME 104
STATION SPEED DIAL 105
STATION SPEED DIAL NAME 106
STATION STATUS 108
STATION VOLUME 114
TEXT MESSAGE 117

SYSTEM LEVEL PROGRAMS

ADD-ON MODULE ASSIGNMENT 209
BARGE-IN TYPE 206
CALLER ID / ANI TRANSLATION TABLE 728
CHANGE CUSTOMER PASSCODE 201
CHANGE FEATURE PASSCODES 202
CLOCK SOURCE 826
COMMON BELL CONTROL 204
CONFERENCE GAIN 816
CONNECTION STATUS 432
CRM DSP MODE SELECT 827
CUSTOMER ON/OFF PER TENANT 210
DISA ALARM RINGING STATION 214
DOOR RING ASSIGNMENT 211
ETHERNET PARAMETER 830
HARDWARE VERSION 859
HOLIDAY ASSIGNMENT 512
LOUD BELL ASSIGNMENT 205
OPEN CUSTOMER PROGRAMMING 200
PROGRAM DOWNLOAD 818
RING TYPE ASSIGNMENTS 208
SMDR OPTIONS 725
SYSTEM HARDWARE OPTIONS 855
SYSTEM OPTION 861
SYSTEM RESOURCE 850
SYSTEM VERSION DISPLAY 727
TENANT GROUP 803
TRAFFIC REPORT PRINTOUT 219
UA DEVICE ASSIGNMENTS 203
VIRTUAL CABINETS 857

STATION LEVEL PROGRAMS

ALLOW CALLER ID / ANI 312
BACKGROUND MUSIC SOURCE 308
BRANCH GROUP 320
COPY KEY PROGRAMMING 720
COPY STATION / TRUNK USE 313
CUSTOMER ON/OFF PER STATION 300
CUSTOMER SET RELOCATION 315
DIGITAL PHONE TONE QUALITY ADJUST 807
DISTINCTIVE RINGING 419
EXECUTIVE/SECRETARY ASSIGNMENT 303
EXTENSION/TRUNK USE ASSIGNMENT 304
FORCED CODE ASSIGNMENT 305
GROUP CONFERENCE 612
HOT LINE 306
IDLE DISPLAY 719
IP STATION TYPE 844
ISDN SERVICE TYPE 223
LAN PRINTER PARAMETER 829
LCR CLASS OF SERVICE 310
PORT CLEAR 890
PRESET FORWARD NO ANSWER 316
PROGRAMMED STATION MESSAGE 715
SAVE STATION KEY PROGRAMMING 721
SEND CLI NUMBER 321
SET COUNTRY 812
SMARTMEDIA FILE CONTROL 819
STATION COS ASSIGNMENTS 301
STATION KEY PROGRAMMING 722
STATION MUSIC ON HOLD 309
STATION TO STATION USE 314
STATION PAIR ASSIGNMENT 217
SYSTEM KEY PROGRAMMING 723

TEXT MESSAGE 719
TIME COST DISPLAY OPTIONS 317
VIRTUAL STATION TYPE 822
VM/AA PORT ASSIGNMENT 207
WAKE-UP AA 224

TRUNK LEVEL PROGRAMS

ANI / DNIS OPTIONS 420
C.O./PBX LINE 401
CALLER ID / ANI TRUNKS ASSIGNMENT 414
CLI RINGING 759
CONNECTION STATUS 432
CUSTOMER ON/OFF PER TRUNK 400
DISA TRUNK ASSIGNMENT 410
E & M TRANSLATION 416
FORCED TRUNK RELEASE 407
PRI CARD RESTART 424
PRI CONTROL 430
REPORT TRUNK ABANDON DATA 415
T1 SIGNAL TYPE ASSIGNMENT 411
TRUNK COS ASSIGNMENT 421
TRUNK COST RATE TABLE 422
TRUNK DIAL TYPE 402
TRUNK GAIN CONTROL ASSIGNMENT 418
TRUNK MUSIC ON HOLD SOURCE 408
TRUNK NAME 404
TRUNK RING ASSIGNMENT 406
TRUNK TELEPHONE NUMBER 405
E&M/DID RING 412
TRUNK STATUS READ 409
TRUNK TMC GAIN 417
TRUNK TOLL CLASS 403
TRUNK NAME 404

TIMER OPTIONS

DATE AND TIME ASSIGNMENT 505
MESSAGE WAITING LAMP CADENCE 511
PULSE MAKE/BREAK RATIO 504
RING PLAN TIME ASSIGNMENT 507
SINGLE LINE RING CADENCE 510
STATION-WIDE TIMERS 502
SYSTEM TIMERS 501
SYSTEM-WIDE COUNTERS 500
TONE CADENCE 506
TRUNK-WIDE TIMER 503

GROUP / BLOCK / ZONE PROGRAMMING

CID / ANI REVIEW BLOCK 608
DAYLIGHT SAVINGS DATE 615
EXTERNAL PAGE ZONE ASSIGNMENT 605
MGI GROUP 615
MGI USER 616
OPERATOR GROUP ASSIGNMENT 600
PICKUP GROUPS 302
SET A STATION / C.O. LINE CALL GROUP 614
SPEED BLOCK ASSIGNMENT 606
STATION GROUP NAME 602
STATION GROUP PROGRAMMING 601
ASSIGN INTERNAL PAGE ZONES 604
TEXT MESSAGING ALLOW 611
TRUNK GROUP PROGRAMMING 603
UCD OPTIONS 607

SYSTEM TABLES

ACCOUNT CODE 708
AUTHORIZATION CODE 707
CALL COSTING DIAL PLAN 730
CALL LOG BLOCK 609
COPY COS CONTENTS 700
COS CONTENTS PROGRAMMING 701
DIAL NUMBERING PLAN 724
DID NUMBER AND NAME TRANSLATION 714
MY AREA CODE 717
RATE CALCULATION TABLE 729
SYSTEM SPEED DIAL BY NAME 706
SYSTEM SPEED DIAL PROGRAMMING 705
TOLL ALLOWANCE TABLE 703
TOLL DENY TABLE 702
TOLL PASS/SPECIAL CODE TABLE 709
UCD AGENT ID 718
VM/AA OPTIONS 726
WILD CHARACTER 704

TECHNICIAN ONLY PROGRAMS

CARD PRE-INSTALL	806	LEVEL & GAIN	805
CHANGE TECHNICIAN PASSCODE	801	MAINTENANCE BUSY ASSIGNMENT	853
CUSTOMER ACCESS MMC NUMBER	802	PROGRAM DOWNLOAD	818
CUSTOMER DATABASE COPY	815	SLI2 GAIN	324
DIAGNOSTIC TIME	854	SYSTEM ALARM ASSIGNMENT	852
DISPLAY SERVER STATUS	889	SYSTEM ALARM REPORTING	851
ENABLE TECHNICIAN PROGRAM	800	SYSTEM RESTART	811
FAN POWER CONTROL	865	T1 PARAMETERS	808
HALT PROCESSING	810	TECH PROGRAMMING LOGS	856

NETWORKING

NETWORK COS	823	Q-SIG TRUNK	821
NETWORK DIAL PLAN	824	SYSTEM LINK ID ASSIGNMENT	820
NETWORK OPTIONS	825		

VOIP

ETHERNET OPTIONS	830	MGI USER	616
H.323 GK OPTION	836	PRIVATE IP ADDRESS	838
H.323 OPTION	834	SIP OPTIONS	837
IP SET INFO	840	SYSTEM IP OPTION	841
MGI DSP OPTION	835	VOIP IP ADDRESS	833
MGI GROUP	615	VOIP OUTBOUND DIGITS	832
MGI PARAMETERS	831		

WIRELESS

WLI PARAMETERS	845	WLAN CONFIGURATION	849
WIP INFO	846	WLAN IP/MAC	848
WLI RESET	847		

LCR PROGRAMS

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

SVM

AUTO RECORD	743	VM DRIVE ALARM	747
USER MAILBOX ASSIGNMENT	741	VM PORT IN/OUT	749
VM CARD HALT	746	VM RESTART	740
VM DAY / NIGHT	744	VMMOH ASSIGNMENT	748
VM DESTINATION	745		

PART 2. PROGRAM PROCEDURES

2.1 OVERVIEW

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

HELPFUL HINT:

When you are finished programming in MMC codes 100–855 and have other programming to do, press SPEAKER to exit the MMC but stay in the programming mode and use one of the following methods.

1. Dial another MMC code directly and continue programming.

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

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

MMC: 100 STATION LOCK

DESCRIPTION:

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

0	UNLOCKED	Unlocks a locked station.
1	LOCKED OUTGOING	The keyset cannot make calls outside the system. It can however make and receive intercom calls and receive incoming C.O. calls. When in this mode the HOLD key of a DCS, iDCS, DS or ITP keyset will flash slow RED.
2	LOCKED ALL CALLS	The keyset cannot make or receive any calls. When in this mode the HOLD key of a DCS, iDCS, DS or ITP keyset will light steady RED.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 100 Display shows	`[201] STN LOCK` `UNLOCKED`
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and use RIGHT soft key to move cursor	`[205] STN LOCK` `UNLOCKED`
OR Press ANS/RLS to select all stations.	`[ALL] STN LOCK` `??`
3. Enter 0 to unlock or 1 to lock (e.g. 1) OR	`[205] STN LOCK` `LOCKED OUT`

MMC: 100

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

4. Press TRANSFER to save and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: ALL STATIONS UNLOCKED

RELATED ITEMS: STATION USER PROGRAMMING

MMC: 101 CHANGE USER PASSCODE

DESCRIPTION:

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

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 101 Display shows	[201] PASSCODE PASSCODE: ****
2. Dial keyset number (e.g., 205) OR Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor right.	[205] PASSCODE PASSCODE: ****
3. Press HOLD to reset passcode.	[205] PASSCODE PASSCODE : 1234
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

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

RELATED ITEMS: MMC 100 STATION LOCK

MMC: 102 CALL FORWARD

DESCRIPTION:

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

The OfficeServ 7400 system allows five types of call forwarding: FORWARD ALL, FORWARD NO ANSWER, FORWARD BUSY, FORWARD FOLLOW ME 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. Destinations for forward types 1, 2, 3 and 5 can be internal or external numbers.

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

0 = FORWARD CANCEL	This option will cancel any call forwarding set in MMC 102. It will not remove the programmed destination and will not override any preset forward settings in MMC 316.
1 = FORWARD ALL	This option, when set, will forward all calls to the programmed destination. If the programmed destination is a station then that station can call the forwarded station to put calls through.
2 = BUSY	This option, when set, will forward calls to the programmed destination when the forwarded keyset is busy.
3 = NO ANSWER	This option, when set, will forward calls to the programmed destination if the forwarded station does not answer a call before the forward no answer timer in MMC 502 expires.
4 = BUSY/NO ANSWER	This option will activate both the BUSY option and the NO ANSWER option at the same time.
5 = FWD DND	This option will forward all calls to the programmed destination whenever the forwarded station goes into DND.

MMC: 102

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 102 Display shows	`[201] FORWARD` `0:FORWARD CANCEL`
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	`[205] FORWARD` `0:FORWARD CANCEL`
3. Dial 0 – ✱ to select forward type OR Press UP or DOWN to select forward type and press RIGHT soft key to move cursor.	`[205] FORWARD` `1:ALL CALL:NONE`
4. Dial destination number (e.g., 201) OR Press UP or DOWN to select destination and press RIGHT soft key to move cursor.	`[205] FORWARD` `1:ALL CALL:201`
5. Dial 1 for YES, 0 for NO OR Press UP or DOWN to select YES or NO and press RIGHT soft key to return to step 2.	`[205] FORWARD` `CURENTLY SET :YES`
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 102

DEFAULT DATA: **NONE**

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

MMC: 103 SET ANSWER MODE

DESCRIPTION:

Allows the system administrator to change the answer mode of any keyset or DCS 32 Button Add-On Module (AOM). Each keyset or DCS 32 Button AOM can have its answer mode set to one of the following options:

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

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 103 Display shows	`[201] ANS MODE` `RING MODE`

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

MMC: 103

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

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

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

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

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

MMC: 104 STATION NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

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

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

MMC: 104

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 104 Display shows	**[201] STN NAME**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	**[205] STN NAME** _
3. Enter the station name using the procedure described above and press RIGHT soft key to return to step 2.	**[205] STN NAME** **SAM SMITH**

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 105 STATION SPEED DIAL

DESCRIPTION:

Allows the system administrator or technician to program the personal speed dial locations assigned to a station. This must be done for single line telephones because these stations cannot access programming. Each station may have up to 50 locations or bins assigned to it in MMC 606 Assign Speed Block. The speed dial bins are numbered 00~49 (or 000~049 if the SYSTEM SPEED BIN MAX = 950 in MMC 861). 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.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
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 105. Display shows.	`[201] SPEED DIAL` `00 :`
2. Dial station number (e.g. 205) OR Press UP or DOWN to select station and press RIGHT soft key 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`

MMC: 105

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

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

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

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

5. Press “F” button to access MMC 106 Station Speed Dial Name
   OR
   Press TRANSFER to save and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 106 STATION SPEED DIAL NAME
MMC 606 ASSIGN SPEED BLOCK
MMC 861 SYSTEM OPTIONS

MMC: 106 STATION SPEED DIAL NAME

DESCRIPTION:

Allows an 11-character name to be entered for each personal speed dial location. This name enables the speed dial number to be located when the directory dial feature is used. The directory dial feature allows the display keyset user to select a speed dial location by viewing its name.

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

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

- **DCS KEYSETS**

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

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

MMC: 106

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
A	Acts as toggle between upper case and lower case
F	Used to enter name for speed dial bin (see MMC 105)

ACTION **DISPLAY**

1. Press TRANSFER 106
   Display shows

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

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

MMC: 106

3. Dial speed dial location (e.g., 01)
   OR
   Press UP or DOWN to scroll through location numbers and press RIGHT soft key to move cursor.

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

4. Enter the location name using the procedure described above and press RIGHT soft key to return to step 2.

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

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 105 STATION SPEED DIAL
MMC 606 ASSIGN SPEED BLOCK

MMC: 107 KEY EXTENDER

DESCRIPTION:

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

FEATURE KEY	EXTENDER
ACC	Account code bin (000–999)
BOSS	Boss and Secretary (1–4)
CC	Call Coverage
CR	Voice Mail Call Record (Mailbox)
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)
DT	Direct Trunk
EP	Establish Call Pickup
FWRD	Call Forward (0–5)
GCONF	Group Conference (1–5)
GPIK	Group Pickup (01–99)
IG	IN/Out of Group (Station Group Number)
MMPG	Meet Me Page (0–9, ✱)
MS	Manual Signaling
MW	Message Waiting (extension or station group #)
NPG	Network Page
NS	Network Station
PAGE	Page (0–9, ✱)
PARK	Park Orbits (0–9)
PMSG	Programmed Station Text Messaging (01-20)
RP	Ring Plan (1–6)
RSV	Room Status View (0–4)
SG	Station Group (500–549)
SP	UCD Supervisor (UCD group number)
SPD	Speed Dial (00–49, 500–999)
TG	Trunk Group
VM	Voice Mail Memo (extension or station group #)
VT	Voice Transfer (VM Station Group Number)

MMC: 107

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 107 Display shows first station	[201] EXTD:KTS 01:CALL1
2. Dial station number (e.g., 205) OR Use UP or DOWN to scroll through station numbers and press RIGHT soft key to move the cursor.	[205] EXTD:KTS 01:CALL1
3. Press the RIGHT soft key to program the keyset OR Use UP and DOWN to scroll through the keyset and AOM's and use the right soft key to move the cursor.	[201] EXTD:KTS 01:CALL1 [201] EXTD:AOM1 01:DS
4. Enter key number (e.g., 18) OR Use UP and DOWN to scroll through keys and use RIGHT soft key to move the cursor OR Press the key to be programmed Dial extender according to above table. System will return to this step If no more entries, press LEFT soft key to return to step 2.	[205] EXTD:KTS 18:DS [205] EXTD:KTS 18:DS 207
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

MMC: 107

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

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

MMC: 108 STATION STATUS

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 108
   Display shows first station

```
[201] STN STATUS
PORT# : C1-S03-P01
```

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

```
[205] STN STATUS
PORT# : C1-S03-P09
```

3. Dial 0~8 to select station status type
   OR
   Press UP or DOWN to select status and press RIGHT soft key to return to step 2.

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

4. Press TRANSFER to exit
   OR
   Press SPEAKER to advance to next MMC.

MMC: 108

DEFAULT DATA:	**PORT #:**	**FOLLOWS HARDWARE POSITION**
	TYPE:	**DEPENDENT ON CONNECTED DEVICE**
	PICKUP GROUP:	**NONE**
	SGR:	**NONE**
	BOSS-SECR:	**NONE**
	PAGE ZONE:	**NONE**
	COS NUMBER:	**01 IN ALL RING PLANS**

RELATED ITEMS:

MMC 301 ASSIGN STATION COS
MMC 302 PICKUP GROUPS
MMC 303 ASSIGN BOSS/SECRETARY
MMC 601 ASSIGN STATION GROUP
MMC 604 ASSIGN STATION TO PAGE ZONE
MMC 803 ASSIGN TENANT GROUP

MMC: 109 DATE / TIME DISPLAY

DESCRIPTION:

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

0 COUNTRY Sets overall display format and has two options:

0 = ORIENTAL	MM/DD	DAY	HH:MM
1 = WESTERN	DAY DD	MON	HH:MM

1 CLOCK Sets format of clock display and has two options:

0 = 12 HOUR	Displays 1 P.M. as 01:00
1 = 24 HOUR	Displays 1 P.M. as 13:00

2 DISPLAY Sets format of DAY and MON display and has two options:

0 = UPPER CASE	Displays Friday as FRI and March as MAR
1 = LOWER CASE	Displays Friday as Fri and March as Mar

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 109 Display shows	**[201] DAY FORMAT** **COUNTRY:WESTERN**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor	**[205] DAY FORMAT** **COUNTRY:WESTERN**
OR Press ANS/RLS for all keysets.	**[ALL]DAY FORMAT** **COUNTRY:?**

MMC: 109

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

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

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

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

DEFAULT DATA: **COUNTRY: WESTERN**
CLOCK: 12 HOUR
DISPLAY: LOWER CASE

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

MMC: 110 STATION ON/OFF

DESCRIPTION:

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

	FEATURES	DESCRIPTION
00	AUTO HOLD	Automatically places an existing C.O. call on hold if a CALL button, trunk key or trunk route key is pressed during that call.
01	AUTO TIMER	Automatically starts the stopwatch timer during a C.O. call.
02	HEADSET USE	When ON, this feature disables the hookswitch allowing a headset user to answer all calls by pressing the ANS/RLS button.
03	HOT KEYPAD	When ON, this feature allows the user to dial directory numbers without having to first lift the handset or press the SPEAKER button.
04	KEY TONE	Allows the user to hear a slight tone when pressing buttons on keyset.
05	PAGE REJOIN	Allows the user to hear the latter part of page announcements if keyset becomes free during a page.
06	RING PREF.	When OFF, requires the user to press the fast flashing button to answer a ringing call after lifting the handset.
07	NOT FOR USA	This field is reserved and can not be used for U.S. software.
08	AUTO CAMP-ON	Keyset users can allow intercom calls to camp-on to other keysets without having to press a CAMP-ON key.
09	NOT FOR USA	
10	AME PSWD	If this option is set to YES, station users who have AME set must enter their station password to listen to messages being left.
11	DISP SPD NAME	If this option is set to ON the user will have the name associated with the speed dial number shown in the display after the number has been dialed.

MMC: 110

	FEATURES	DESCRIPTION
12	CID REVIEW ALL	If this setting is set to OFF the CID review list will only store CID information for calls that were not answered at the station and reject the information for calls that were answered. When set to ON all calls will be stored in the list.
13	SECURE OHVA	When set to OFF an OHVA will be heard through the keyset speaker rather than the handset.
14	NOT FOR USA	
15	AUTO ANS CO	When set to ON CO lines programmed to ring that keyset directly will auto answer if the keyset is programmed for auto answer in MMC 103.
16	ENBLOCK 2LCD	*For ITP Phones with 2 Line Display* Set to ON will require user to press SEND button to make a call, it works like a cell phone. Enblock dialing must be enabled in MMC 861.
17	STN NO RING	When ON all incoming calls will not ring at stations.

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 110
   Display shows

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

2. Dial the option number from above list (e.g., 4)
   OR
   Press UP or DOWN to select the option and
   Press the RIGHT soft key to move the cursor.

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

3. Press UP or DOWN to select ON or OFF
   Press the left or right soft key to return to step 2

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

MMC: 110

OR

Dial 1 for ON or 0 for OFF.

If option 00 from above list is dialed at Step 2.

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

If option 01 from above list is dialed at Step 2.

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

If option 02 from above list is dialed at Step 2.

```
[201]  STN ON/OFF
HEADSET USE  :ON
```

If option 03 from above list is dialed at Step 2.

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

If option 04 from above list is dialed at Step 2.

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

If option 06 from above list is dialed at Step 2.

```
[201]  STN ON/OFF
RING PREF    :ON
```

If option 08 from above list is dialed at Step 2.

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

If option 10 from above list is dialed at Step 2.

```
[201]  STN ON/OFF
AME PASSCODE :ON
```

4. Press UP or DOWN to select ON or OFF
   Press the LEFT or RIGHT soft key to return to Step 2.

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

5. Press TRANSFER to store and exit.

DEFAULT DATA:

AUTO HOLD: OFF
SECURE OHVA: ON
DISP SPDNAME: OFF
AUTO CAMPON: OFF
PAGE REJOIN: ON
HOT KEYPAD: ON
AUTO TIMER: ON
STN NO RING: OFF
AUTO ANS CO: OFF
CID REVW ALL: ON
AME PASSCODE: OFF
RING PREF.: ON
KEY TONE: ON
HEADSET USE: OFF
ENBLOCK 2LCD: OFF

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

MMC: 111 KEYSET RING TONE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 111 Display shows	[201] RING TONE SELECTION 5
2. Dial keyset number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor OR Press ANS/RLS to select ALL.	[205] RING TONE SELECTION 5 [ALL] RING TONE SELECTION ?
3. Dial 1~8 to select ring tone OR Press UP or DOWN to select ring tone and press RIGHT soft key to move cursor.	[205] RING TONE SELECTION 5
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **FREQUENCY 5**

RELATED ITEMS: MMC 114 KEYSET VOLUME

MMC: 112 ALARM CLOCK

DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This must be done for single line telephones, as they cannot access programming. Three alarms may be set for each station and each alarm may be defined as a one-time or TODAY alarm or as a DAILY alarm, as described below. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time. Alarm numbers are 1, 2 and 3. In the case of Secondary Pair assignments (MMC 217) the alarm only rings the station that is programmed and does not ring the paired station.

Entry	Alarm Type
Dial 0	NOTSET
Dial 1	TODAY
Dial 2	DAILY

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 112
   Display shows

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

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

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

3. Dial 1~3 to select alarm (e.g., 1)
   OR
   Press UP or DOWN to select alarm and press RIGHT soft key.

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

MMC: 112

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

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

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

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

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: ALARMS ARE NOTSET

RELATED ITEMS: NONE

MMC: 114 STATION VOLUME

DESCRIPTION:

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 keysets.

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

PROGRAM KEYS

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

MMC: 114

ACTION	DISPLAY
1. Press TRANSFER 114 Display shows	`[201] STN VOLUME` `RING VOLUME : 4`
2. Dial keyset number (e.g. 205).	`[205] STN VOLUME` `RING VOLUME : 4`
3a. Press UP or DOWN to select next volume.	`[205] STN VOLUME` `OFF-RING VOL: 4`
3b. Press UP or DOWN to select next volume.	`[205] STN VOLUME` `HANDSET VOL : 4`
3c. Press UP or DOWN to select next volume.	`[205]  STN VOLUME` `SPEAKER VOL :13`
3d. Press UP or DOWN to select next volume.	`[205] STN VOLUME` `BGM VOLUME  : 3`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

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

RELATED ITEMS: MMC 111 KEYSET RING TONE

MMC: 115 SET PROGRAMMED MESSAGE

DESCRIPTION:

Allows a display keyset user to program and set a Programmed Message at their station. Message 01~15 are pre-programmed. Each display keyset user can create their own individual programmed messages, 16~20.

Note: The System Administrator can program and set messages for any or all keysets by selecting the extension number first, then the message number 01~20.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 115 Display shows	`[201] PGMMSG(00)` `CANCEL PGM MSG`
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor	`[205] PGMMSG(00)` `CANCEL PGM MSG`
OR Press ANS/RLS to select ALL.	`[ALL] PGMMSG(??)`
3. Dial an entry number to select message number, e.g., 05 OR Press UP or DOWN to select message Press RIGHT soft key to return to step 2.	`[205] PGMMSG(05)` `PAGE ME`

MMC: 115

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO MESSAGES SELECTED**
MESSAGES 16~20 ARE "BLANK" FOR EACH STATION

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

MMC: 116 ALARM REMINDER

DESCRIPTION:

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

ENTRY	ALARM TYPE
DIAL 0	NOTSET
DIAL 1	TODAY
DIAL 2	DAILY

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

- **DCS KEYSETS**

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

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

MMC: 116

• iDCS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 116
   Display shows

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

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

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

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

MMC: 116

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

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

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

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

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

```
[205]  ALM REM
HHMM:1300➔DAILY
```

6. Enter messages using above table and press RIGHT soft key to return to step 2.

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

7. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: ALARMS ARE NOTSET

RELATED ITEMS: NONE

MMC: 117 TEXT MESSAGE

DESCRIPTION:

This program allows the user to create or modify 16 character text messages for their personal use in response to an off-hook voice announcement (OHVA). Only the stations set to use text messaging in MMC 611 can create and use text messages. Each station can have up to 10 text messages.

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

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

- **DCS KEYSETS**

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

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

MMC: 117

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 117
   Display shows

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

2. Press a station number (e.g. 205)
   OR
   Press VOLUME to select a station and Press the RIGHT soft button to move a cursor.

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

MMC: 117

3. Press the message number ([01]~[10]) (e.g. 03)
   OR
   Press VOLUME to select a message and Press the RIGHT soft button to move a cursor.

```
[205] TXTMSG (03)
 Blank Message
```

4. Enter a message using the table above (maximum of 16 characters).
   Press the RIGHT soft button to save data.
   Display will automatically advance to step 5.

```
[205] TXTMSG (03)
 GIVE ME THE CALL
```

5. Press TRANSFER to exit the program
   OR
   Press SPEAKER to move on to the next program.

DEFAULT DATA: **BLANK MESSAGE**

RELATED ITEMS: **MMC 611 ALLOW TEXT MESSAGING**

MMC: 118 CONFERENCE GROUP

DESCRIPTION:

This program defines the conference groups. Only 5012 ITP keysets and OfficeServ Softphone users that are set to use conference groups in Program 612 can access this MMC. One station can have up to 5 conference groups. The maximum number of members for one conference group will be 4, excluding the station itself.

In this MMC you assign each conference group a name, and then enter up to four members in each group. You can build up to 5 groups.

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

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

- **ITP KEYSETS**

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

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

MMC: 118

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 118 Display shows your station number and the first group selection.	[201] GRP (1) NAME
2. Press the conference group ([1]~[5]). (e.g. 2) OR Press VOLUME to select a group number then press the RIGHT soft button to move the cursor.	[205] GRP (2) NAME
3. Press [0] to select a conference group name OR Press [1]~[4] to enter the conference group number OR Press VOLUME to select the desired sub menu and press the RIGHT soft button to move a cursor.	[205] GRP (2) NAME _
4. Enter a conference group name. Press the RIGHT soft button to save data.	[205] GRP (2) NAME A CONF GRP
5. Enter the number of conference group number and press the RIGHT soft button to save data.	[205] GRP (2) MBR2 9-2134455
6. Enter members as either a station number or outside telephone preceded by either a trunk access code or specific trunk number (e.g. 9+telephone)	[205] GRP (2) MBR2 9-2134455

MMC: 118

7. Arrow down to the next member.

```
[205] GRP (2) MBR3
NONE
```

8. Press RIGHT soft key to enter member.

```
[205] GRP (2) MBR3
NONE
```

9. After all members have been added press TRANSFER to exit the program or SPEAKER to move to the next program.

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 612: ALLOW GROUP CONFERENCE**
OfficeServ EasySet—Conference Button

NOTES:

1. Any keyset not assigned in MMC 612 will receive the following display:

```
[XXXX] CONF GROUP
NOT PERMITTED
```

2. EasySet can be used to program Conference Groups for any 5112L or OfficeServ phone. Users will find it more intuitive.

MMC: 119 CALLER ID / ANI DISPLAY

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 119 Display shows first station	`[201] CID DISP` `NUMBER FIRST`
2. Enter station number (e.g., 205) OR Press UP or DOWN to scroll through stations and press the RIGHT soft key to select a station OR Press ANS/RLS to select ALL and press the RIGHT soft key.	`[205] CID DISP` `NUMBER FIRST`

MMC: 119

3. Dial 0 for CID or 1 for ANI
   OR
   Press UP or DOWN to select option and press RIGHT soft key to continue or LEFT soft key to return to step 2.

```
[205] ANI DISP
NAME FIRST
```

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

```
[205] ANI DISP
NAME FIRST
```

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **NUMBER FIRST**

RELATED ITEMS:
- MMC 312 ALLOW CID / ANI
- MMC 414 ASSIGN CID / ANI TRUNKS
- MMC 420 ANI / DNIS OPTIONS
- MMC 608 ASSIGN REVIEW BLOCKS
- MMC 728 CID / ANI TRANSLATION TABLE

MMC: 120 LARGE LCD OPTION

DESCRIPTION:

This program sets the options needed for a phone having a large LCD.

0.	IDLE DISPLAY	Sets whether to display 'CALENDAR' or 'INFORMATION' on LCD in an idle state.
1.	DS KEY DISPLAY	Sets whether to display 'phone number' or 'station name' for DS key on LCD.
2.	DIAL MODE	Sets dial mode of phone (ENBLOCK/OVERLAP).
3.	CONV DISP	Sets whether to display soft menu first or AOM menu first in a conversation state.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 120	**[201] IDLE DISP CALENDAR**
2. Enter a station number (e.g. 205) OR Press VOLUME to select a station and Press the RIGHT soft button to move the cursor.	**[205] IDLE DISP CALENDAR**
3. Press [0]~[2] to select the desired item. OR Use VOLUME to select the desired item and press the RIGHT soft button to move the cursor.	**[205] IDLE DISP CALENDAR**
4. Select the desired option. OR	**[205] IDLE DISP INFORMATION**

MMC: 120

Use VOLUME to select the desired option and press the RIGHT soft button to move the cursor.

5. Press TRANSFER to exit the program.
   OR
   Press SPEAKER to move on to the next program.

DEFAULT DATA:
0. IDLE DISPLAY: CALENDAR
1. DS KEY DISPLAY: TEL NUMBER
2. DIAL MODE: ENBLOCK
3. CONV DISP: SOFT MENU FIRST

RELATED ITEMS: **MMC 719 SCREEN GUIDE DATA**

MMC: 121 ASSIGN STATION LANGUAGE

DESCRIPTION:

This MMC is used to assign the station display language. All station related displays will be in the language assigned to that station in this MMC. This MMC is assigned on a per station basis.

Available languages are:

00. ENGLISH
01. GERMAN
02. PORTUGAL
03. NORSK
04. DANISH
05. DUTCH
06. ITALY
07. SPANISH
08. SWEDISH
09. SPANISH/USA
10. FRENCH/CANADA
11. FINNISH

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 121 Display shows	**[201] LANGUAGE ENGLISH**

MMC: 121

2. Enter station number (eg 205)
   OR
   Press UP or DOWN to scroll through stations numbers and press RIGHT soft key to move cursor.

```
[205]  LANGUAGE
ENGLISH
```

3. Dial 0 or 1 to change option
   OR
   Press UP or DOWN key to select option
   Press RIGHT soft key to return to step 2.

```
[205]  LANGUAGE
SPANISH
```

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: ALL STATIONS ENGLISH

RELATED ITEMS: NONE

MMC: 122 SPOT INFO SPD

Reserved for Future Use

MMC: 125 EXECUTIVE PRESENT STATE

DESCRIPTION:

When inter-working with EASYSET, the state of executive stations can be displayed. This program sets the present state of executive that the user wants to show. Also, this program allows the executive/secretary function so the user can set the answer mode for when an executive calls up.

Allows the system administrator or technician to change the status of an executive station.

Note: You must assign BOSS/SECRETARY stations using MMC 303 before programming this MMC.

1. EXEC STATE: The text message programmed here is displayed when inter networking with Easyset.
2. STATE (IN): Easyset displays the message programmed here if EXEC STATE is set to “OTHERS (IN)” in item 1 above.
3. STATE (OUT): Easyset displays the message programmed here if EXEC STATE is set to “OTHERS (OUT)” in item 1 above.
4. ANS MODE: When a secretary calls executive station using the BOSS key; the executive station according to the settings for this option.

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	space	?	.	)	0
DIAL 1	Q	Z	,	!	1
DIAL 2	A	B	C	@	2
DIAL 3	D	E	F	#	3

COUNT	1	2	3	4	5
DIAL 4	G	H	I	$	4
DIAL 5	J	K	L	%	5
DIAL 6	M	N	O	^	6
DIAL 7	P	R	S	&	7
DIAL 8	T	U	V	✱	8
DIAL 9	W	X	Y	(	9
DIAL ✱	:	=	[	]	✱

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

- **iDCS, DS and ITP KEYSETS**

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

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

PROGRAM KEYS

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

MMC: 125

ACTION	DISPLAY
1. Press TRANSFER 125	[201] EXEC STATE IN THE ROOM
2. Enter a station number (e.g. 205) OR Use VOLUME to select a station and press the RIGHT soft button to move the cursor.	[205] EXEC STATE IN THE ROOM
3. Press [0]~[3] to select the desired sub menu OR Press VOLUME to select the desired sub menu and press the RIGHT soft button to move the cursor.	[205] EXEC STATE IN THE ROOM
4. Select the desired executive state from [0]~[9] OR Press VOLUME to select the desired executive state and press the RIGHT soft button to move the cursor.	[205] EXEC STATE IN A MEETING
5. If there is more information to show, enter the contents in STATE (IN) and STATE (OUT) and press the RIGHT soft button to move the cursor.	[205] STATE (IN) WEEKLY MEETING
6. If the executive's answer mode needs changed, set the desired answer mode at ANS MODE.	[205] ANS MODE AUTO ANSWER MODE
7. Press TRANSFER to exit the program. OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 303 BOSS/SECRETARY

MMC: 200 OPEN CUSTOMER PROGRAMMING

DESCRIPTION:

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 digit passcode is required to access this MMC. Each digit can be 0-9. When opened, this MMC enables access to all MMCs allowed in MMC 802 Customer Access MMC Number.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 200 Display shows	**ENABLE CUS.PROG. PASSCODE:**
2. Enter passcode.	**ENABLE CUS.PROG. PASSCODE:**
Correct code shows.	**ENABLE CUS.PROG. DISABLE**
Incorrect code shows.	**ENABLE CUS.PROG. PASSWORD ERROR**
3. Press UP or DOWN arrow key to select ENABLE or DISABLE and press RIGHT soft key OR Dial 1 for ENABLE or 0 for DISABLE.	**ENABLE CUS.PROG. ENABLE**

MMC: 200

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

```
212:ALARM RING
SELECT PROG. ID
```

5. Press TRANSFER key to exit.

DEFAULT DATA: **DISABLE**

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

MMC: 201 CHANGE CUSTOMER PASSCODE

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 201 Display shows	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 to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **PASSCODE = 1234**

RELATED ITEMS: MMC 200 OPEN CUSTOMER PROGRAMMING

MMC: 202 CHANGE FEATURE PASSCODE

DESCRIPTION:

Used to change the passcodes for the following features: RING PLAN, DISA ALARM, ALARM CLR, AA RECORD, DELETE, and WLI REGIST.

DIAL	OPTION	DESCRIPTION
0	RING PLAN	This is the passcode required to place the system in different ring plans (RP) or change the ring time override (RTO).
1	DISA ALARM	This is the passcode required to clear a DISA ALARM generated when the number of DISA attempts are exceeded.
2	ALARM CLR	This is the passcode required to clear an alarm sensor.
3	AA RECORD	NOT USED. This item will be removed in the future from the OfficeServ 7400 software.
4	DELETE	Hotel / Motel feature passcode, required to delete entries from a guest or meeting room bill.
5	WLAN	This is the passcode to allow mobile stations to register to the WLI card.

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 202 Display shows	CHANGE PASSCODE RING PLAN :0000

MMC: 202

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

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

3. Enter new passcode via digits from dial keypad.
Press RIGHT soft key to return to step 2
Continue to change other passcodes.

```
CHANGE PASSCODE
DISA ALARM : 2516
```

4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DEFAULT DATA:

RING PLAN	**0000**
DISA ALARM	**5678**
ALARM CLR	**8765**
DELETE	**9999**
WLI REGIST	**0000**
AA RECORD	**4321 (NOT FOR USA MARKET)**

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

MMC: 203 ASSIGN UA DEVICE

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 203 Display shows current assignment	**ASSIGN UA PORT** **NONE-NO UA**
2. Dial DN of UA device (e.g., 205) OR Use UP and DOWN keys to scroll through available devices.	**ASSIGN UA PORT** **205 -STATION**
3. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

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

MMC: 204 COMMON BELL CONTROL

DESCRIPTION:

Determines whether the common bell relay contact has an interrupted or continuous closure when activated. If interrupted is chosen, the relay follows an internal C.O. ring pattern of one second closed followed by three seconds open. By default the common bell relay pair is assigned as 3991 (in MMC 724, under MISC NUM PLAN, MISC FUNCTION 05, COMMON BELL is assigned as 3991).

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 204 Display shows current setting	[3991] COM. BELL CONTINUOUS
2. Dial common bell number	[3991] COM. BELL CONTINUOUS
3. Dial 0 for continuous or 1 for interrupted operation OR Use UP or DOWN to scroll through options Press RIGHT soft key to return to step 2.	[3991] COM. BELL INTERRUPTED
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **CONTINUOUS**

RELATED ITEMS: MMC 203 ASSIGN UA DEVICE
MMC 601 ASSIGN STATION GROUP
MMC 724 MISC NUM PLAN

MMC: 205 ASSIGN LOUD BELL

DESCRIPTION:

This MMC is used to pair a station with an audible tone output from the MIS daughterboard. The MIS daughter board loud bell ooutput may be assigned to one station. The default directory number is assigned as follows.

MIS FUNCTION in MMC 724	DEFAULT DN
04	3995

Only a station directory number can be assigned. Station groups are not permitted. The audio ring tone is fixed and can not be changed.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 205 Display shows current setting	[3995] LOUD BELL RING PAIR : NONE
2. Dial loud bell number (e.g., 3995)	[3995] LOUD BELL RING PAIR : NONE
3. Enter station number (e.g., 201) OR Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.	[3995] LOUD BELL RING PAIR :201
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 205

DEFAULT DATA: UNASSIGNED

RELATED ITEMS: MMC 724 DIAL NUMBERING PLAN

MMC: 206 BARGE-IN TYPE

DESCRIPTION:

Sets the type of barge-in that is permitted.

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 206
   Display shows

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

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

   ```
   BARGE IN TYPE
   WITHOUT TONE
   ```

3. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO BARGE-IN**

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

MMC: 207 ASSIGN VM/AA PORT

DESCRIPTION:

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

NOTE: This MMC is not used to assign voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the OfficeServ 7400 detects a voice mail card.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 207 Display shows	**[209] VMAA PORT** **NORMAL PORT**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	**[205] VMAA PORT** **NORMAL PORT**
3. Dial 1 or 0 to select port type (1=VMAA, 0=NORMAL). Press UP or DOWN to select option and press RIGHT soft key.	**[205] VMAA PORT** **VMAA PORT**

MMC: 207

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NORMAL PORT**

RELATED ITEMS: **MMC 726 VM/AA OPTIONS**
MMC 601 STATION GROUP

MMC: 208 ASSIGN RING TYPE

DESCRIPTION:

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

0 ICM RING
1 CO RING
2 DATA RING

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 208 Display shows	`[ 209 ] RING TYPE` `ICM RING`
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	`[ 205 ] RING TYPE` `ICM RING`
3. Dial 1,2 or 0 to select port type (e.g. 2) OR Press UP or DOWN to select option and press LEFT or RIGHT soft key to return to step 2 above.	`[ 205 ] RING TYPE` `DATA RING`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 208

DEFAULT DATA: ICM RING

RELATED ITEMS: NONE

MMC: 209 ASSIGN ADD-ON MODULE

DESCRIPTION:

Designates to which keyset a DCS 32 button Add-On Module (AOM) or 64 button module is assigned to and determines if an off-hook voice announce (OHVA) will be received via a DCS 32 button AOM (AOM only). OHVAED:YES allows off-hook voice announce to an AOM. There is no limit to the number of DCS 32 button AOMs that can be assigned in the system. An OfficeServ 7400 system will support up to 4 (four) 64 button modules.

NOTE: The 64 button modules do not have a speaker or microphone so they will not have the off-hook voice announce option.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 209 Display shows first AOM	**[301] AOM MASTER** **MASTER:NONE**
2. Dial AOM number OR Use UP or DOWN to scroll through AOM numbers and use soft keys to move cursor.	**[301] AOM MASTER** **MASTER:NONE**
3a. Enter station number, e.g., 301 OR Use UP or DOWN for selection of stations OR Dial the number using the dial pad.	**[301] AOM MASTER** **MASTER:201**

MMC: 209

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

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

4. Press TRANSFER to store and exit
OR
Press SPEAKER to save and advance to next MMC.

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

RELATED ITEMS: **NONE**

MMC: 210 CUSTOMER ON/OFF PER TENANT

DESCRIPTION:

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

00 DISA PSWD :ON	When this option is set to ON a caller must enter a 7 digit DISA password when they call a DISA trunk. When it is set to OFF a passcode is 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 contained in MMC's 710, 711, 712 and 713. LCR access code must be assigned in Dial Numbering Plan (MMC 724). System default is NO.
03 PERI UCD RPT :OFF	When this option is turned ON a UCD report for each UCD group is printed periodically for an external display panel. The format of the print out is ASCII format. The format is as follows: ~0=1=2=3=4=5=6=7=8=9\n\d ~: smdi header =: delimiter 0: UCD group number (1-4 digits) 1: total answered call count (0=99999) 2: unanswered call count (0-99999) 3: all agents busy count (0-99999) 4: average ring time (0-99999 in seconds) 5: average call time (0-99999 in seconds) 6: total all busy (0-99999 in seconds) 7: current queue count (0-99999) 8: longest queue time (0-99999 in seconds) 9: average queue time (0-99999 in seconds) \n: new line \d: carriage return
04 CID CODE INSERT:ON	When this option is ON the system will insert the digit “1” when receiving CID information. When OFF the digit “1” will not be inserted in the CID information. This option is tenant wide. In certain areas the central offices are using a 10 digit numbering plan for calls. This feature can reduce the number of LCR digit table inputs in those areas that use the CID display callback feature. System default is ON.

MMC: 210

05 DISA MOH :OFF	When this option is turned 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. System default is OFF.
06 TRANSFER MOH :OFF	When this option is turned ON outside parties will hear trunk MOH instead of ring back tone from the time a transfer is completed until the call is answered by an internal party. System default is OFF.
08 DID BSY ROUT :OFF	When this option is turned on a DID call directed to a busy station will reroute to the operator if camp on is set to OFF in MMC 714. If the option is set to ON the call will re route to the destination in MMC 406 for that trunk.
09 ALARM MOH: OFF	When ON allows stations to hear MOH after answering an alarm reminder call.
13 RECALL PICKUP :ON	When this option is turned 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.
14: ICM EXT FWD :OFF	When this option is on call forward external is allowed when intercom calls are placed to a station that has Call Forward External programmed and set.
16: DID ERR TONE :OFF	This option was added to provide error tone when an invalid DID number is received. The OfficeServ 7400 error tone should not be sent to the public network in the USA.
24 TRSF CANCEL :OFF	When turned OFF a single line phone will be able to handle 2 calls simultaneously. Using the hook-flash to toggle between them. When turned ON a single line telephone will be able to connect to the 2nd call, but pressing the h/f will not toggle between the two calls it will disconnect the 2nd call and reconnect the single line telephone to the first call.
32 ISDN PROGCON:OFF	This option, when ON, determines if the system will wait for an answer signal before allowing DTMF to be sent on an ISDN circuit. (L Version Only)
36 DSS KEY DPU :OFF	When set to ON, the station can make a directed call pickup, by pressing the flashing DSS key of the ringing station.
37 BEGN DGT DSP :ON	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 digits dialed are shown on the keyphone display. When OFF, the last 11 digits are displayed.

MMC: 210

38 ONE TCH FACC: ON	When ON, then a station may enter an account code using a one touch account code (ACC) key. When OFF, then a station must enter an account code by dialing via dial-pad before making an outside call.
39 SGR ALL OUT :ON	This option, when on, allows all members to log out of a station group.
40 CHAIN FWD :ON	When ON and a call is directed to a station that may be forwarded to another station that is call forwarded to a VMAA, then the caller will be directed to the last station's mailbox it reached. When OFF, then the caller will be directed to the first station's mailbox instead of the last.
41 TRK MONITER :ON	When set to ON, a barging party maintains the trunk connection, when the barged station goes on hook. When set to OFF, and the barged station goes on hook, all parties are disconnected.
42 VoIP MFRALOC :OFF	When set to ON, a DTMF receiver is assigned for VoIP tandem calling when a VoIP incoming trunk is connected to a VoIP outgoing trunk. Note: Except when H.245 signal mode is being used.
43 NTWK AUTOTMR:OFF	This option only affects systems with LE software and controls whether an intercom call across the network link will have the auto timer come on when the call is received.
46 PERI UCD SIO:OFF	When this option is set to ON the PERI UCD date is sent to the UCD port type of SIO port service, instead of the PERI UCD port type.
48 REDIAL REVW:OFF	When set to ON, this option will allow the user to review the last number dialed before dialing.
53 PRE FWD BUSY:OFF	When set to ON this option makes the preset forward no answer setting in MMC 316 act as forward on BUSY/NO ANSWER.
54 ORG DIAL LOG:ON	When this option is set to ON all digits dialed from a phone will be saved in the log.
55 TIE TRSF RCL:ON	When this option is set to ON a call transferred over a TIE line will no answer recall back to the originating station.
56 VOIP REALRBT:OFF	If this option is set to ON the MGI channels will provide the ringback tones.
57 CO-CO TM ALL:OFF	NO DESCRIPTION AVAILABLE.

MMC: 210

58 SMDR AUT2 ACC:OFF	When using authorization codes over 4 digits (maximum 10) set this option to ON and the authorization code will print in the Account Code field of SMDR. When set to OFF only the first four digits of any authorization code will appear in the AUTH field of SMDR.
59 IPNW REAL RB:OFF	When set to OFF the Ring Back tone on network calls will be generated from the originating MCP card. When set to ON, the distant MCP card provides both Ring Back tone on network calls.
60 TRK AUTO MOH:OFF	Turn this option ON to have the system immediately answer an incoming call and play the AA (Auto Answer) source set in MMC 408.
61 TRSF VT KEY:ON	Turn this ON to make the TRANSFER key act like a VT key. It will buffer digits dialed then send to Voice Mail after hanging up. Example: While on a call press TRANSFER, dial the Voice Mail Group number, then mailbox number, then hang up. OFF = normal TRANSFER key operation.
62 PAIR NO RING:OFF	When set to OFF a call to a busy station paired with another will ring at the paired station. Turn this ON and a call to a busy station paired with another will not ring at the paired station.
63 DISA NO ACT:OFF	Turn this ON to disconnect a caller to the DISA line when they take no action before the DISA NO ACTION TIME in MMC 501.
64 ICM AUTO HOLD:OFF	Set this option to ON to have intercom calls follow AUTO HOLD ON/OFF option in MMC 110.
65 DTMF to SO: OFF	NOT USED IN THE USA
66 STN HOLD PICK: OFF	If ON intercom calls that are on HOLD can be picked up by other stations.
67 AREA DELETE	FUTURE USE
68 ELCR DIAL TONE: OFF	When ON, activates special dial tone when accessing E-LCR.

PROGRAM KEYS

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

MMC: 210

ACTION	DISPLAY
1. Press TRANFER 210 Display shows	TEN. ON AND OFF DISA PSWD :OFF
2. Dial option number (e.g. 0) Press RIGHT soft key to move cursor.	TEN. ON AND OFF DISA PSWD :OFF
3. Dial 1 for ON or 0 for OFF OR Press UP or DOWN to make selection and press RIGHT soft key.	TEN. ON AND OFF DISA PSWD :ON
4. Repeat steps 2-3 for other options OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

RELATED ITEMS:

LCR PROGRAMMING
MOH PROGRAMMING
CID PROGRAMMING
MMC 714 DID TRANSLATION TABLES
VMAA PROGRAMMING
MMC 303 ASSIGN BOSS/SECRETARY
MMC 410 ASSIGN DISA TRUNK

MMC: 211 DOOR RING ASSIGNMENT

DESCRIPTION:

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

DEVICE	DEFAULT DN
3 Digit Station	201–299, 301–349
3 Digit Station group	500–549
4 Digit Station	2001–2150
4 Digit Station group	5001–5049

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 211 Display shows first door phone	[229] DOOR RING 1:500 2:500
2. Dial door phone number (e.g., 230) OR Press UP or DOWN to scroll through door phone numbers and use the RIGHT soft key to move cursor	[230] DOOR RING 1:500 2:500
OR Press ANS/RLS to select ALL door ring.	ALL] DOOR RING 1:500 2:500

MMC: 211

3. Enter new ring plan number selection via dial keypad
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key.

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

4. Press RIGHT soft key to return to step 2
   OR
   Press LEFT soft key to return to step 3
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: STATION GROUP 500

RELATED ITEMS: NONE

MMC: 214 DISA ALARM RINGING STATION

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 214 Display shows	DISA ALARM RING 1:500 2:500
2. Enter in valid destination number for ring plan (e.g., 217) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	DISA ALARM RING 1:217 2:500
3. Enter in valid destination number for another ring plan (e.g., 249) OR Press UP or DOWN key to make selection.	DISA ALARM RING 1:217 2:249
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **ALL RING PLAN :500**

RELATED ITEMS: MMC 202 CHANGE FEATURE PASSCODES
MMC 410 ASSIGN DISA TRUNK

MMC: 217 STATION PAIR

DESCRIPTION:

Assigns a secondary station to a keyset. This secondary station can be a keyset. a single line port, an AOM or ITP phone. It is recommended that the extension number for the secondary station should be blocked from receiving direct intercom calls in MMC 314 to prevent the secondary station being accidentally called. The secondary station assumes the COS (Class of Service), LCR COS, and DND attributes of the primary station.

Note:
1. If the COS is changed for either station in MMC 301 the change affects both stations.
2. Secondary stations when dialed will also ring the primary extension.
3. Message from secondary extension will display that (secondary) extension numbers. Callback to extension (secondary) as well.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 217 Display shows	**[201] PRIMARY SECONDARY:NONE**
2. Enter the primary station number via dial keypad (e.g. 201) OR Press UP or DOWN to select and press RIGHT soft key.	**[201] PRIMARY SECONDARY:NONE**
3. Enter the secondary station number via dial keypad (e.g. 205) OR Press UP or DOWN to select and press RIGHT soft key.	**[201] PRIMARY SECONDARY:205**

4. Press TRANSFER button to store and exit
   OR
   Press SPEAKER button to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 102 STATION FORWARDING
MMC 301 STATION COS
MMC 310 LCR CLASS OF SERVICE

MMC: 219 TRAFFIC REPORT PRINTOUT

DESCRIPTION:

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

When MANUAL PRINTOUT is selected, the options are:

- PRINT AND CLEAR: A report is printed and all totals are reset to 0.
- PRINTOUT ONLY: A report is printed and all the totals are saved.
- CANCEL PRINTOUT: The program can be exited here if no report is needed.

When AUTO PRINT OPTN is selected, the options are:

- AUTO PRINT OFF: Reports are not automatically printed.
- DAILY HHMM:2359 A report is printed at this programmable time every day and all the totals are reset to “0.”
- EVERY HOUR MM:00 A Traffic report will be printed every hour at this time
- THREE TIME SHIFT: Up to three separate Start and End times may be programmed to report traffic within certain times of a day. A report is printed at the end of each End time and all totals are reset to “0.”

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

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

PROGRAM KEYS

This MMC programming sequence is designed to be used by the end user and does not require the usual programming key strokes.

ACTION	DISPLAY
1. Press TRANSFER 219 Display shows	**TRAFFIC REPORT** **MANUAL PRINTOUT**

MMC: 219

2. Use the volume keys to select the printout method and use the RIGHT soft key to access.

```
TRAFFIC REPORT
AUTO PRINT OPTN
```

3. Use the volume keys to select the printout type and use the RIGHT soft key to access.

```
TRAFFIC REPORT
AUTO PRINT OFF
```

```
TRAFFIC REPORT
THREE TIME SHIFT
```

4. Enter the data for your selection. In this case the start and end times.

```
TRAFFIC REPORT
1S: S:     E:
```

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO REPORT**

RELATED ITEMS: **MMC 829 LAN PRINTER OPTIONS**

MMC: 223 ISDN SERVICE TYPE

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 223. Display shows.	**[209] ISDN SVC VOICE**
2. Enter the station number (e.g. 210) OR Press UP or DOWN to select station and press RIGHT soft key.	**[210] ISDN SVC VOICE**
3. Select service type (0-3) OR Press UP or DOWN to select option and press RIGHT soft key.	**[210] ISDN SVC AUDIO 3.1**
4. Press TRANSFER button to store and exit OR Press SPEAKER button to store and advance to next MMC.	

MMC: 223

DEFAULT DATA: VOICE

RELATED ITEMS: NONE

MMC: 224 WAKE-UP AA

DESCRIPTION:

This MMC is designed to enhance the Wake Up feature. The system will play a recorded Prompt when a Wake Up call is answered by the user. The Wake Up Announcement feature will require that a SVMi-20E be installed in the system and will access the customized Wake Up Prompt (001-9999) that has been recorded on the SVMi-20E as a Prompt. The end user will record this Prompt and have the ability to change it when desired using the TUI System Administrator or GUI Voice Studio. The Wale Up PMT will have no default Prompt assigned to it.

This feature offers a busy overflow destination. In the event that the AA group is busy, the guest would receive MOH upon answering the wake up call.

This MMC has three options:

Option	Description
AA GROUP (STATION GROUP)	Determines which station group will be connected when a Wake Up call is answered. **This destination must be any station group assigned as "VMSUCD".**
MESSAGE NO (PROMPT NO.)	Determines which message will be played when a Wake Up call is answered. This destination can be a custom recorded message. (Message #1000~9999)*
GROUP BUSY	Determines which tone source will be connected when AA group members are all busy. This destination can be a NONE, TONE or extern music on hold. If NONE is set then dial tone is connected, if TONE is set then hold tone is connected.

* Message #5049~5064 have pre-recorded Auto Attendant (AA) default messages programmed and can be over-written. Do not use this range of messages for Wake-Up messages if you want to preserve the AA messages.

MMC: 224

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 224 Display shows	**WAKE-UP ANNOUNCE** **AA GROUP :NONE**
2. Press RIGHT soft key to move cursor.	**WAKE-UP ANNOUNCE** **AA GROUP :NONE**
3. Enter AA group number via keypad OR Press UP or DOWN to make selection.	**WAKE-UP ANNOUNCE** **AA GROUP :3951**
4. Press RIGHT soft key to enter selection and return to step 1.	**WAKE-UP ANNOUNCE** **AA GROUP :3951**
5. Press 0, 1 or 2 on keypad to select option (e.g. 1).	**WAKE-UP ANNOUNCE** **MESSAGE NO :NONE**
6. Enter message number via keypad (e.g. 15) OR Press UP or DOWN to select message number and press RIGHT soft key to enter selection and return to step 5.	**WAKE-UP ANNOUNCE** **MESSAGE NO :15**
7. Press 0, 1, or 2 on keypad to select option OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	**WAKE-UP ANNOUNCE** **MESSAGE NO :15**

MMC: 224

DEFAULT DATA:

AA GROUP	NONE
MESSAGE NO.	NONE
GROUP BUSY	NONE

RELATED ITEMS: MMC 601 STATION GROUPS

MMC: 300 CUSTOMER ON/OFF PER STATION

DESCRIPTION:

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

ACCESS DIAL	Determines whether a user can select a trunk or trunk group by dialling its directory number (DN). This selection should be turned to off when using LCR.
MICROPHONE	This option allows or denies the use of a keyset's microphone if equipped.
OFF-HOOK RING	Will allow a short burst of ring tone to indicate another call.
SMDR PRINT	When the station is set for no C.O. calls to and from this station, the station will not print on SMDR. This includes transferred calls or calls picked up from hold or park.
TGR ADV.TONE	When this feature is set to ON, a warning tone will be heard each time LCR advances to the next route.
VMAA FORWARD	This feature selects whether C.O. calls can be forwarded to voice mail. ON = Permits forward to voice mail. OFF = No forward to voice mail.
INTRCOM SMDR	When the station is set to OFF, the station will not print intercom calls on SMDR.
FWD OVERRIDE	When set to OFF intercom calls from this station will not follow the call forwarding of the called station.
RECL TO OPER	This option determines if a transferred call will recall to the transferring station (OFF) or to the operator (ON).
SLT LP OPEN	This option only applies to single line ports. When this option is set to ON the SLT port will receive a Loop Open Disconnect if the calling or called party hangs up before the SLT. This option does not affect ports set as DATA or VMAA in MMC 207/208, these ports will always receive a disconnect regardless of this setting.

MMC: 300

CID TO SLT: System provides Caller ID to SLT. OfficeServ 7400 requires an CRM or RCM2 board.

NO RCL FLASH: If ON and an SLT hook flashes and does not dial and hangs up, then the call will disconnect. If OFF the call will recall. The same applies if a keyset transfers and hangs up without dialling a station. Typically not used in the US market.

RBK STN NAME: If ON, the called station's name is displayed while ringing (Intercom calls only).

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 300 Display shows	**[201] CUS.ON/OFF** **ACCESS DIAL :ON**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station OR Press ANS/RLS for all and press RIGHT soft key to move cursor.	**[205] CUS.ON/OFF** **ACCESS DIAL :ON** **[ALL] CUS.ON/OFF** **ACCESS DIAL :ON**
3. Press UP or DOWN to select feature and press RIGHT soft key to move cursor.	**[ALL] CUS.ON/OFF** **ACCESS DIAL :ON**
4. Dial 1 for ON or 0 for OFF OR Press UP or DOWN to select and press RIGHT soft key.	**[ALL] CUS.ON/OFF** **ACCESS DIAL :OFF**

MMC: 300

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

DEFAULT DATA: **NO RCL FLASH: OFF**
CID TO SLT: OFF
INTRCOM SMDR: OFF
SLT PWR DISC: OFF
ALL OTHER FEATURES SET TO ON

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

MMC: 301 ASSIGN STATION COS

DESCRIPTION:

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

Note: Check if Secondary Stations are in use MMC 217. Caution should be taken when changing COS for these stations. If either Primary station or Secondary station COS is changed then the "mated" station is also changed.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 301 Display shows first station	`[201] STN COS` `1:01 2:01 3:01`
2. Dial station number (e.g., 205) OR Use UP and DOWN to scroll through stations Press RIGHT soft key to advance to step 3 OR Use UP and DOWN to scroll through stations and press LEFT soft key to advance to step 4	`[205] STN COS` `1:01 2:01 3:01`
OR Press ANS/RLS to select all stations.	`[ALL] STN COS` `1:01 2:01 3:01`

3. Enter new ring plan selection via dial keypad
OR
Press UP or DOWN key to make selection
OR press RIGHT soft key to move cursor.
	`[205] STN COS`
	`1:01 2:01 3:01`
	`[205] STN COS`
	`1:01 2:01 3:01`

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

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

5. Enter the next ring plan class of service (e.g., 05)
   OR
   Use UP and DOWN to scroll through classes of service and press RIGHT soft key to move cursor to the next ring plan
   OR
   Use UP and DOWN to scroll through classes of service and press LEFT soft key to return to previous step.

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

6. Press TRANSFER to save and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **RING PLANS 1-6 = 01**

RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS
MMC 507 ASSIGN RING PLAN TIME
MMC 217 SECONDARY STATION

MMC: 302 PICKUP GROUPS

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 302 Display shows	`[201] PICKUP GRP` `PICKUP GRP :NONE`
2. Dial station number (e.g., 205) OR Use UP or DOWN to select station number and press RIGHT soft key	`[205] PICKUP GRP` `PICKUP GRP :NONE`
OR Press ANS/RLS key to select ALL.	`[ALL] PICKUP GRP` `PICKUP GRP :??`
3. Dial pickup group number (e.g. 05) OR Press UP or DOWN to select group number.	`[205] PICKUP GRP` `PICKUP GRP :05`

MMC 302

4. Press RIGHT soft key to return to step 2 to enter more stations
   OR
   Press LEFT soft key to return to step 3
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO PICKUP GROUPS ASSIGNED**

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

MMC: 303 ASSIGN EXECUTIVE/SECRETARY

DESCRIPTION:

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

Note: A station designated as BOSS may not be assigned as a Secretary of another Boss.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 303 Display shows	**BOSS STN:NONE** **SECR 1:NONE**
2. Dial BOSS station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key.	**BOSS STN:NONE** **SECR 1:NONE** **BOSS STN :205** **SECR 1:NONE**
3. Dial SECRETARY station number (e.g., 201) OR Press UP or DOWN to select station. Press RIGHT soft key to return to step 3 to enter more SECR numbers.	**BOSS STN:205** **SECR 1:201** **BOSS STN:205** **SECR 2:202**

MMC: 303

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

DEFAULT DATA: NONE

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

MMC: 304 STATION/TRUNK USE

DESCRIPTION:

This MMC defines which station use groups (defined in MMC 614) can access or answer which trunk use groups. If a station use group is set to NO Dial, members of that station use group will not have the ability to place a call. If the station use group is set to NO Answer, members of that station use group cannot answer an incoming call.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 304 Display shows	**[001] USE [301]** **DIAL:YES ANS:YES**
2. Dial the station use group number (e.g., 005) OR Press UP or DOWN key to select station use group and press RIGHT soft key.	**[005] USE [301]** **DIAL:YES ANS:YES**
3. Dial the trunk use group number (e.g., 304) OR Press UP or DOWN key to select trunk and press RIGHT soft key.	**[005] USE [304]** **DIAL:YES ANS:YES**
4. Press UP or DOWN key to select YES/NO option OR Dial 1 for YES or 0 for NO and press RIGHT soft key to move cursor to ANS option.	**[005] USE [304]** **DIAL:NO ANS:YES**

MMC: 304

Press UP or DOWN key to select YES/NO Option

OR

Dial 1 for YES or 0 for NO and press RIGHT soft key to return to step 2.

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

5. Press TRANSFER to store and exit

   OR

   Press SPK to store and advance to next MMC.

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

RELATED ITEMS: **MMC 722 STATION KEY PROGRAMMING**
MMC 723 SYSTEM KEY PROGRAMMING
MMC 614 ASSIGN USE GROUPS

MMC: 305 ASSIGN FORCED CODE

DESCRIPTION:

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

PROGRAM KEYS

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

FEATURE KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 305 Display shows	**[201] FORCD CODE NONE**
2. Dial station number (e.g., 205) OR Press UP or DOWN key to select station and press RIGHT soft key to move cursor.	**[205] FORCD CODE NONE**

MMC: 305

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

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

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

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 707 AUTHORIZATION CODE
MMC 708 ACCOUNT CODE

MMC: 306 HOT LINE

DESCRIPTION:

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

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
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 306 Display shows	**[201] HOT LINE**
2. Dial station number OR Use UP or DOWN to scroll through stations Press RIGHT soft key to move the cursor.	**[205] HOT LINE** **_**
3. Enter the hot line destination ie a station or trunk ID (e.g., 9 or 701) with a maximum of 24 outgoing digits after the access code for the CO call (see above list of options if needed). Bottom row of program keys are options B–E.	**[205] HOT LINE** **9-1305P4264100_**

MMC: 306

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 502 STN TIMERS, OFF-HOOK SELECTION TIMER

MMC: 308 ASSIGN BACKGROUND MUSIC SOURCE

DESCRIPTION:

Assigns a background music source to the keysets. There are 2 possible external music source selections (MIS daughter board is required).

These 2 external sources are defined in the MISC Numbering Plan in MMC 724 (MIS 1 and MIS 2). Internal chimes is also available (it is defined in MMC 724 as MISC08, 3761).

If you have an SVM Voice Mail System installed you may also select an SVM recording as a music. The recording must already been defined in MMC 748 and will show up here as the SVM port assigned with the recording.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 308 Display shows current setting	`[201] BGM SOURCE` `BGM SOURCE:NONE`
2. Dial keyset number (e.g., 205) OR Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor	`[205] BGM SOURCE` `BGM SOURCE:NONE`
OR Press ANS/RLS to select all stations.	`[ALL] BGM SOURCE` `BGM SOURCE:?`
3. Enter source number (e.g., 3761) OR Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.	`[205] BGM SOURCE` `BGM SOURCE:3761`

4. Press TRANFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 309 ASSIGN STATION MUSIC ON HOLD
MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE
MMC 724 NUMBER PLAN
MMC 748 ASSIGN VMMOH

MMC: 309 ASSIGN STATION MUSIC ON HOLD

DESCRIPTION:

Assigns a Music on Hold source to any station. This selection will determine the MOH source you will hear when another station puts you on hold.

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

The following MOH sources are available:

1. NONE
2. TONE
3. 3761 (INTERNAL CHIMES)†
4. 3762 (EXT. MOH SOURCE #1)*†
5. 3763 (EXT. MOH SOURCE #2) *†
6. SVMi PORT # (A DEDICATED SVM MOH PORT ASSIGNED IN MMC 748)

*: MIS daughter board required.
†: These have the default MISC NUM PLANS in MMC 724.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 309 Display shows current setting	`[201] STN MOH` `MOH SOURCE:NONE`

MMC: 309

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

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

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

3. Enter source number (e.g., 3761)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.

```
[205] STN MOH
MOH SOURCE:3761
```

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **TONE**

RELATED ITEMS: MMC 308 ASSIGN BACKGROUND MUSIC SOURCE
MISC 724 MISC NUM PLAN
MMC 748 ASSIGN VM MOH

MMC: 310 LCR CLASS OF SERVICE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 310 Display shows	**[201] LCR CLASS** **LCR CLASS 1**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor	**[205] LCR CLASS** **LCR CLASS 1**
OR Press ANS/RLS to select ALL stations.	**[ALL] LCR CLASS** **LCR CLASS ?**
3. Dial 1–8 to select class type (e.g. 3) OR Press UP or DOWN to select class type and press RIGHT soft key to return to step 2.	**[205] LCR CLASS** **LCR CLASS 3**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 310

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

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

MMC: 312 ALLOW CID / ANI

DESCRIPTION:

Allows the system administrator or technician to allow or deny Caller Identification (CID) and or Automatic Number Identification (ANI) data to be seen at display keysets. CID and ANI information is essentially the same to the end user and is not separated. ANI does not provide date and time stamps and is not available for review. Each keyset can have the following options:

0	CID / ANI NOT ALLOWED	CID / ANI data will not be displayed.
1	CID / ANI ALLOWED	CID / ANI data will be displayed.

NOTE: Requires optional hardware and/or software.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 312 Display shows	`[201] CID/ANI` `NOT ALLOW`
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station and press right soft key to move cursor	`[205] CID/ANI` `NOT ALLOW`
OR Press ANS/RLS to select ALL.	`[ALL] CID/ANI` `?`
3. Dial 0 or 1 to select option OR Press UP or DOWN to select option	`[ALL] CID/ANI` `ALLOW`
and press right soft key to return to step 2.	`[201] CID/ANI` `ALLOW`

MMC: 312

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **CID / ANI ALLOWED**

RELATED ITEMS: **MMC 119 CID / ANI DISPLAY**
MMC 414 ASSIGN CID / ANI TRUNKS

MMC: 313 COPY STATION/TRUNK USE

DESCRIPTION:

This program allows a technician to copy the contents of a station use group or a trunk use group to a new use group without having to enter all the data again.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 313. Display shows.	`[001] COPY USABLE` `FROM:`
2. Enter group number (e.g., 005) OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	`[005] COPY USABLE` `FROM:`
3. Enter group number to copy from cursor is returned to step 2 OR Press UP or DOWN key to make selection.	`[005] COPY USABLE` `FROM:003`
4. Press RIGHT soft key to return to step 2 OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 304 STATION TRUNK USE
MMC 614 USE GROUP

MMC: 314 STATION/STATION USE

DESCRIPTION:

This MMC is used to allow or restrict Station Use Groups defined in MMC 614 from making intercom calls to one or more Station Use Groups within the same tenant.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 314. Display shows.	`[001] USE [001]` `DIAL:YES`
2. Dial the station use group number (e.g., 005) OR Press UP or DOWN key to select station and press RIGHT soft key OR Press ANS/RLS to select all groups.	`[005] USE [001]` `DIAL:YES`
3. Dial the station use group number (e.g., 004) OR Press UP or DOWN key to select station and press RIGHT soft key.	`[005] USE [004]` `DIAL:YES`
4. Dial 1 for YES or 0 for NO OR Press UP or DOWN key to select YES/NO and press RIGHT soft key to move cursor.	`[005] USE [004]` `DIAL:NO`
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 314

DEFAULT DATA: **DIAL = ALL STATION USE GROUPS CAN CALL OTHER STATION USE GROUPS = YES**

RELATED ITEMS: **MMC 304 ASSIGN EXTENSION/TRUNK USE**
MMC 614 SET STATION/TRUNK USE GROUPS

MMC: 315 CUSTOMER SET RELOCATION

DESCRIPTION:

Customer Set Relocation allows System Administration level or Technician level access to relocate or exchange similar stations in the OfficeServ 500 without wiring changes (see Allow Table bellow). This program is a one for one exchange with like stations. All individual station assignments such as trunk ring, station group, station COS, station speed dial, button appearances, etc. will follow the Customer Set Relocation program. iDCS 18 button keysets and iDCS 28 button keysets can be exchanged. Add On Modules and 64 button modules can also be exchanged. If incompatible set types are selected the system will provide an ERROR: NO MATCH message. If AOM or 64 button module units are to be exchanged the Master assignment must be removed prior to using Customer Set relocation. If the AOM or 64 button module Master station is not removed the error code ERROR: NOT ALONE will appear on the LCD display. A station must be in the idle state (on hook) to perform Customer Set Relocation. If a wired location has a station port connected but no telephone instrument the Customer Set Relocation program will allow set relocation as long as the station types are similar.

iDCS 18 button and iDCS 28 button key assignments should be taken in consideration when relocating these types of sets due to the button configurations of the instruments. If a 18 button set and a 28 button set are exchanged using the Customer Set Relocation program the first 18 buttons on the 24 button set will have the button programming of the 18 button set. In other words, when exchanging 18 and 28 button set only the first 18 buttons will swapped.

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

MMC: 315

CUSTOMER SET RELOCATION ALLOW TABLE											
	Single Line	DCS, DS & iDCS 64 AOM	iDCS 8B	iDCS 18B	iDCS 28B	ITP-5107S	ITP-5121D	ITP-5112L	DS5021D	DS5014D	DS5007S
Single Line	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DCS, DS & iDCS 64 AOM	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 8B	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 18B	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO
iDCS 28B	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO
ITP-5107S	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
ITP-5121D	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
ITP-5112L	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO
DS5021D	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO
DS5014D	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO
DS5007S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 315 Display shows	**SET RELOCATION** **EXT _ EXT**
2. Enter first station number (e.g.,202) press RIGHT soft key to move cursor.	**SET RELOCATION** **EXT 202 EXT _**
3. Enter second station number (e.g.,210) Press RIGHT softkey to enter data.	**SET RELOCATE** **EXT 202 EXT 210**

MMC: 315

4. Display will return to step 1.
   Go to step 2
   OR
5. Press SPEAKER to advance to next MMC.

```
SET RELOCATION
EXT _   EXT
```

DEFAULT DATA: **NONE**

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

MMC: 316 PRESET FWD NO ANSWER

DESCRIPTION:

Allows a technician to assign a default destination for FNA to each station on the system. These destinations may be different for each station or they may be the same. The preset destination will be temporarily overwritten if the station user enters a different FNA destination. If the user cancels the new destination, the preset destination will once more be in effect. If a station user has a FNA key, the LED will not indicate Preset Forward No Answer. Preset Forward No Answer time follows the station forward no answer timer. There is also an option (OPT) to select whether the forward applies to internal calls (I), outside calls (O) or both (BOTH).

Notes: This destination must be internal to the system. External numbers cannot be programmed. You must set PRE FWD BUSY to ON in MMC 210 for this feature to work.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 316 Display shows	[201] PRESET FNA NONE OPT:BOTH
Press RIGHT soft key to advance cursor OR Press ANS/RLS to select ALL.	[ALL] PRESET FNA NONE OPT:BOTH
2. Dial valid number via keypad OR Press UP or DOWN to make selection Press RIGHT soft key to return to step 1.	[201] PRESET FNA 202 OPT:BOTH

MMC: 316

DEFAULT DATA: **NONE**

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

MMC: 317 TIME/COST DISPLAY OPTION

DESCRIPTION:

This MMC determines if a display keyset will show the duration of the call in progress or the cost of the call in progress. Each station can set this option for either TIMER or COST.

TIMER: The duration of the call in progress will show in the upper right corner of the keyset display. The duration is in minutes and seconds. The cost of the call will not be shown.

COST: The cost of the call in progress will show in the upper right corner of the keyset display. The cost of the call is in dollars and cents. The duration of the call will not be shown.

This MMC cannot be selected by the station user. It must be set by using either the technician or customer passcode.

EXAMPLES OF KETSET DISPLAY

TIMER [701: 12:31]
[NEW RETRY SAVE]

COST [701: $14.82]
[NEW RETRY SAVE]

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 317 Display shows	**[201] TIME / COST** **DISPLAY : TIME**

MMC: 317

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

```
[205] TIME / COST
DISPLAY : TIME
```

3. Press UP or DOWN to select display type.

```
[205] TIME / COST
DISPLAY : COST
```

4. Press TRANSFER to store and exit.

DEFAULT DATA: **ALL STATIONS TIME**

RELATED ITEMS: MMC 422 ASSIGN TRUNK COST RATE
MMC 730 CALL COSTING DIAL PLAN

MMC: 320 SET BRANCH GROUP

DESCRIPTION:

This program allows the technician to program branch group for each station. Each station can be in only one branch group. Branch groups enable the user to pick up the incoming call of another station in the same branch group just by lifting the handset. There are a maximum of 99 branch groups.

PROGRAM KEYS

UP & DOWN	Used to scroll through options/move cursor left or right
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

ACTION	DISPLAY
1. Press TRANSFER 320 Display shows	`[201] BRANCH GRP` `BRANCH GRP:NONE`

2. Press the station number (e.g. 205)
OR
Press VOLUME to select the station, and press the RIGHT soft button to move the cursor
OR
Press MESSAGE to set the entire stations.
	`[205] BRANCH GRP`
	`BRANCH GRP:NONE`
	
	`[ALL] BRANCH GRP`
	`BRANCH GRP:??`

3. Enter the branch group number ([01]-[99]) OR Press VOLUME to select pick-up group number, and press the RIGHT soft button to repeat this procedure from step 2.	`[205] BRANCH GRP` `BRANCH GRP:10`
4. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: BRANCH GRP: NONE

RELATED ITEMS: NONE

MMC: 321 SEND CLI NUMBER

DESCRIPTION:

Allows a ten digit number to be entered and associated with a station or trunk number on a per PRI basis. When this station makes an outgoing call on this PRI, the ten digit number entered will be the Calling Party Number sent on this outgoing PRI call. There are 4 tables in the system.

PROGRAM KEYS

UP & DOWN	Used to scroll through options/move cursor left or right
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

ACTION	DISPLAY
1. Press TRANSFER 321. Display shows.	`[201] CLI PER STN 1:`
2. Dial extension (e.g., 230) OR Press UP or DOWN to select extension and press RIGHT soft key to move the cursor.	`[230] CLI PER STN 1:`
3. Dial table number 1 ~ 4. OR Press UP or DOWN to select table number and press RIGHT soft key to move the cursor.	`[230] CLI PER STN 2:`
4. Enter the Calling Party Number.	`[230] CLI PER STN 2:3055922900`
5. Repeat Step 3 & 4 to enter other tables and Calling Party Numbers OR Repeat Steps 2, 3, & 4 to enter other station and Calling Party Numbers.	

MMC: 321

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NO PRI SPAN OR STATION NUMBERS ENTERED

RELATED ITEMS: MMC 430 PRI CONTROL

MMC: 324 SLI2 GAIN

Reserved for Future Use

MMC: 400 CUSTOMER ON/OFF PER TRUNK

DESCRIPTION:

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

OPTIONS

0	1A2 EMULATE	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	TRK INC. DND	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	TRK FORWARD	When this option is set to OFF this trunk will not follow a ringing stations call forwarding.
3	EFWD EXT CLI	Uses station CID when forwarding external C.O. lines.
4	REPEAT CLI	When set to ON the CLI information sent out of this system on a tandem trunk call will be the CLI information received on the incoming segment of the tandem call. When OFF the CLI sent out of this system on a tandem trunk call will be generated by this system.
5	TONECHK DISC	When this is set to ON, loop trunks can be disconnected by detecting busy tone (LP TRK TONE DISC must be ENABLE in MMC 861 for this feature to work).
6	AUTO ANSWER	When ON, auto answer mode can be assigned on a per-trunk basis.

PROGRAM KEYS

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

MMC: 400

ACTION	DISPLAY
1. Press TRANSFER 400 Display show	`[701] TRK ON/OFF` `1A2 EMULATE:OFF`

2. Dial trunk number (e.g. 704)
OR
Press UP or DOWN key to select trunk
OR
Press ANS/RLS for all trunks and press RIGHT soft key to move cursor to options.
	`[704] TRK ON/OFF`
	`1A2 EMULATE:OFF`
	
	`[ALL] TRK ON/OFF`
	`1A2 EMULATE :?`

3. Dial option number from above list (0–3) OR Press UP or DOWN key to select option and press RIGHT soft key to move cursor.	`[704] TRK ON/OFF` `TRK FORWARD :ON`
4. Dial 1 for ON or 0 for OFF OR Press UP or DOWN key to select ON/OFF and press RIGHT soft key to return to step 2.	`[704] TRK ON/OFF` `TRK FORWARD: OFF`
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

1A2 EMULATE	**OFF**
TRUNK INC DND	**ON**
TRUNK FORWARD	**ON**
EXT FWD CLI	**ON**
REPEAT CLI	**OFF**
TONECHK DISC	**OFF**
AUTO ANSWER	**OFF**

RELATED ITEMS: **AUTO ANSWER:** MMC 210 TRUNK AUTO MOH OPTION
MMC 501 TRK AUTO MOH DISC TIMER

MMC: 401 C.O./PBX LINE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 401 Display shows	`[701] PBX LINE` `CO LINE`

2. Dial trunk number (e.g., 704)
OR
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move
OR
Press ANS/RLS to select ALL.
	`[704] PBX LINE`
	`CO LINE`
	`[ALL] PBX LINE`
	`?`

3. Dial 1 for PBX or 0 for C.O. OR Use UP or DOWN to scroll through options Press RIGHT soft key to return to step 2.	`[704] PBX LINE` `PBX LINE`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: ALL TRUNKS C.O. LINE

RELATED ITEMS: NONE

MMC: 402 TRUNK DIAL TYPE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 402 Display shows	`[701] DIAL TYPE` `DTMF TYPE`
2. Dial trunk number (e.g., 704) OR Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor	`[704] DIAL TYPE` `DTMF TYPE`
OR Press ANS/RLS to select ALL.	`[ALL] DIAL TYPE` `?`
3. Dial 1 for PULSE or 0 for DTMF OR Use UP or DOWN to scroll through options Press RIGHT soft keys to return to step 2.	`[704] DIAL TYPE` `DIAL PULSE TYPE`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **ALL TRUNKS DTMF**

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

MMC: 403 TRUNK TOLL CLASS

DESCRIPTION:

Assigns toll class level assignments on a per-trunk or all-trunk basis on a time based ring plan time assignment defined in MMC 507 Assign Ring Plan Time. The options for toll level will follow the either station class or the class of service defined in MMCs 702 Toll Deny Table and 703 Toll Allowance Table. The toll classes that are available are listed below with their entry numbers.

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 403 Display shows	**[701] TOLL CLASS** **1:F-STN 2:F-STN**
2. Dial trunk number OR Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor	**[704] TOLL CLASS** **1:F-STN 2:F-STN**
OR Press ANS/RLS to select ALL.	**[ALL] TOLL CLASS** **1:F-STN 2:F-STN**

MMC: 403

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

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

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

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

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

5. Press TRANSFER to store data and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **ALL TRUNKS F-STN ALL RING PLANS**

RELATED ITEMS: **MMC 202 CHANGE FEATURE PASSCODES**
MMC 301 ASSIGN STATION COS
MMC 507 ASSIGN RING PLAN TIME
MMC 701 ASSIGN COS CONTENTS
TOLL RESTRICTION MMCs

MMC: 404 TRUNK NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

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

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

MMC: 404

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 404. Display shows.	**[701] TRUNK NAME**
2. Dial trunk (e.g., 704) OR Press UP or DOWN to select trunk and press RIGHT soft key to move the cursor.	**[704] TRUNK NAME**
3. Enter trunk name using the procedure described above. Press RIGHT soft key to return to step 2.	**[704] TRUNK NAME** **TELECOMS**

MMC: 404

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO NAMES ENTERED**

RELATED ITEMS: **MMC 104 STATION NAME**
MMC 405 C.O. TRUNK NUMBER

MMC: 405 TRUNK TELEPHONE NUMBER

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

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

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

MMC: 405

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 405 Display shows	**[701] CO TEL NO.**
2. Dial trunk (e.g., 704) OR Press UP or DOWN to select trunk and press RIGHT soft key to move the cursor.	**[704] CO TEL NO.**
3. Enter trunk number using the procedure described above.	**[704] CO TEL NO.** **3054264100**

MMC: 405

4. Press RIGHT soft key to return to step 2
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NO NUMBERS ENTERED

RELATED ITEMS: MMC 404 TRUNK NAME

MMC: 406 TRUNK RING ASSIGNMENT

DESCRIPTION:

Enables ringing to a specific station or to a group of stations when incoming calls are received. This MMC controls ring plan destinations for ring down trunks. If the ring plan destinations are not input the default ring plan is ring plan 1. Station group 500 is default in Ring Plan 1. (In a networked system this MMC can be used to assign ringing to any station or station group in the entire network).

DEVICE	DEFAULT DN
3 Digit Station	201–299, 301–3xx
3 Digit Station group	500–5xx
4 Digit Station	2001–2xxx
4 Digit Station group	5000–5xxx

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 406 Display shows	[701] TRK RING 1:500 2:500
2. Use UP or DOWN to scroll through trunk numbers and press the RIGHT soft key to move the cursor OR press ANS/RLS for ALL	[All] TRK RING 1:500 2:500
OR	
3. Dial trunk number (e.g., 704).	[704] TRK RING 1:500 2:500
4. Dial ring plan number or press the RIGHT softkey to move to the next step.	[704] TRK RING 1:500 2:500

MMC: 406

5. Dial station number or station group number (e.g., 205)
   OR
   Press UP or DOWN key to select station number or station group number and press RIGHT soft key to move cursor to the next ring plan destination and repeat step 5
   OR
   Press LEFT soft key to return to step 5
   OR
6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

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

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

DEFAULT DATA: **ALL TRUNKS RING DEFAULT OPERATOR GROUP (500, 5000)**

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

MMC: 407 FORCED TRUNK RELEASE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 407 Display shows	**[701] TRK RELS.** **RELEASE?_Y:1,N:0**
2. Dial in trunk number (e.g., 704) OR Press UP or DOWN key selected trunk and press right soft key	**[704] TRK RELS.** **RELEASE?_Y:1,N:0**
OR Press ANS/RLS to select all trunks.	**[ALL] TRK RELS.** **RELEASE?_Y:1,N:0**
3. Dial 1 for YES OR Dial 0 for NO (Pressing 1 or 0 will return to step 2).	**[704] TRK RELS.** **RELEASE?1Y:1,N:0**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 603 ASSIGN TRUNK GROUP

MMC: 408 ASSIGN TRUNK MOH SOURCE

DESCRIPTION:

Allows the system administrator to set two MOH options for each trunk in the system.

Option 1: MOH—this selects which Music On Hold source will be heard on each trunk when it is put on hold.

Option 2: AA—this selects which Music On Hold source will be heard when the trunk is automatically answered by the system. See MMC 210-Trunk Auto MOH, ON/OFF. This feature must be set to ON before the AA option will take effect.

For the four types of selection for Options 1 and 2 see below.

OPTIONS

1. TONE: An intermittent tone is played to the caller.
2. NONE: No Music on Hold selection.
3. 376X: If X is one (1), a chime tune is played. If X is another number, an external source from a MISC daughter board as assigned below is played.

MIS DAUGHTER BOARD	MISC FUNCTION # MMC 724	DEFAULT DN (Port)
BGM/MOH Source #1	01	3762
BGM/MOH Source #2	02	3763

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

PROGRAM KEYS

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

MMC: 408

ACTION	DISPLAY
1. Press TRANSFER 408 Display shows current setting	[701] TRK MOH MOH:TONE AA:NONE
2. Dial trunk number (e.g., 704) OR Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move cursor	[704] TRK MOH MOH:TONE AA:NONE
OR Press ANS/RLS to select ALL.	[ALL] TRK MOH MOH:TONE AA:NONE
3. Enter source number (e.g., 3761) OR Press UP or DOWN key to select option Press RIGHT soft key to return to step 2 above.	[705] TRK MOH MOH:3761 AA:NONE
4. Press RIGHT soft key to move cursor to AA setting.	[705] TRK MOH MOH:371 AA:NONE
5. Use UP and DOWN keys to select AA source (e.g. 3761)	[705] TRK MOH MOH:3761 AA:3761
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **MOH: TONE**
AA:NONE

RELATED ITEMS:
MMC 210 CUSTOMER ON/OFF PER TENANT
MMC 308 ASSIGN BACKGROUND MUSIC SOURCE
MMC 724 MISC NUM PLAN
MMC 748 ASSIGN VM MOH

MMC: 409 TRUNK STATUS READ

DESCRIPTION:

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

OPTION TABLE

00	Port Number (Cabinet/Slot/Port)
01	Type
02	1A2 Emulate On/Off
03	Trunk Forward
04	Line (CO/PBX)
05	Dial Type
06	Toll Type RP 1
07	Toll Type RP 2
08	Toll Type RP 3
09	Toll Type RP 4
10	Toll Type RP 5
11	Toll Type RP 6
12	Ring Plan 1
13	Ring Plan 2
14	Ring Plan 3
15	Ring Plan 4
16	Ring Plan 5
17	Ring Plan 6
18	MOH Source
19	DISA LINE (shows Ring Plan Assigned)

PROGRAM KEYS

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

MMC: 409

ACTION	DISPLAY
1. Press TRANSFER 409 Display shows	`[701] TRK STATUS` `PORT #:C1-S5-P01`
2. Enter trunk number via dial keypad (e.g.,704) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	`[704] TRK STATUS` `PORT #:C1-S5-P04`
3. Enter in desired option 00-12 (e.g. 02) OR Press UP or DOWN key to make selection.	`[704] TRK STATUS` `TYPE:LOOP TRUNK`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **SEE RELATED MMCs**

RELATED ITEMS:

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

MMC: 410 ASSIGN DISA TRUNK

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 410 Display shows	[701] 123456 DISA LINE: 000000
2. Dial trunk number (e.g., 704) OR Press UP or DOWN key to select trunk and press RIGHT soft key	[704] 123456 DISA LINE: 000000
OR Press ANS/RLS key to select all trunks	[ALL] 123456 DISA LINE: 000000
OR 3. Press VOLUME key UP or DOWN key to select a Ring Plan (e.g. ring plan 3). Using the dial pad press 1 to apply and 0 not to apply to a particular Ring Plan and press RIGHT soft key to return to step 2.	[704] 123456 DISA LINE: 001000

MMC: 410

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **ALL TRUNKS NORMAL**

RELATED ITEMS: **MMC 500 SYSTEM-WIDE COUNTERS**
MMC 507 ASSIGN RING PLANS

MMC: 411 ASSIGN T1 SIGNAL TYPE

DESCRIPTION:

Defines the type of signaling for each T1 trunk assigned to the card. There are four kinds of trunks as detailed below. There are three types of signaling associated with E & M and DID. T1 channels (1-24) that are not used should have TYPE programmed as UNUSED.

MODE	TRUNK	SIGNALLING		
0	LOOP			
1	GROUND			
2	E & M	IMMEDIATE	DELAYED	WINK
3	DID	IMMEDIATE	DELAYED	WINK
4	UNUSED			

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 411 Display shows	**[701] T1 SIGNAL UNUSE**
2a. Enter desired trunk number (e.g., 705) OR Press UP or DOWN key to make selection Press RIGHT soft key to move cursor OR Press ANS/RLS to select all trunks.	**[705] T1 SIGNAL UNUSE** **[ALL] T1 SIGNAL ?**

MMC: 411

2b. Enter desired trunk type selection from above

OR

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

OR

In case of DID or E & M, press RIGHT soft key to advance to type of trunk (e.g., WINK) and press RIGHT soft key to return to step 2a.

```
[705] T1 SIGNAL
GROUND
```

```
[705] T1SIGNAL
DID:WINK
```

3. Press TRANSFER to store and exit

OR

Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: **TRUNK PROGRAMMING**
MMC 808 T1 SIGNAL TYPE

MMC: 412 ASSIGN TRUNK SIGNAL

THIS MMC IS NOT USED FOR THE OFFICESERV 7400.

MMC: 414 ASSIGN CALLER ID / ANI TRUNKS

DESCRIPTION:

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

Each trunk has the following options:

0	NORMAL	This is not a Caller ID trunk.
1	CID TRUNK	This is a Caller ID trunk.
2	ANI TRUNK	This is an ANI trunk.

NOTE: ANI information can be received only on digital (T1) trunks.
ANI is programmed for use on a trunk group basis.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 414 Display shows	`[701]CID TRUNKS` `NORMAL`
2. Dial trunk number (e.g. 705) OR Press UP or DOWN to select trunk and press RIGHT soft key to move cursor	`[705]CID TRUNKS` `NORMAL`
OR Press ANS/RLS to select ALL.	`[ALL]CID TRUNKS` `?`
3. Dial 0, 1 or 2 to change options OR Press UP or DOWN to select an option	`[705]CID TRUNKS` `CID TRUNK`
Press RIGHT soft key to enter and return to step 1.	`[705]CID TRUNKS` `ANI TRUNK`

MMC: 414

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **ALL TRUNKS ARE NORMAL**

RELATED ITEMS:
MMC 119 CALLER ID / ANI DISPLAY
MMC 312 ALLOW CALLER ID / ANI
MMC 420 ANI / DNIS OPTIONS
MMC 501 SYSTEM TIMERS
MMC 503 TRUNK WIDE TIMERS
MMC 608 ASSIGN REVIEW BLOCK
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING
MMC 725 SMDR OPTIONS
MMC 728 CALLER ID / ANI TRANSLATION TABLE

MMC: 415 REPORT TRUNK ABANDON DATA

DESCRIPTION:

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

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 415 Display shows	**[701] TRK ABNDN REPORT : YES**
2. Dial trunk number (e.g., 705) OR Use UP and DOWN to select trunk and use left or right soft key to move cursor.	**[705] TRK ABNDN REPORT : YES**

MMC: 415

3. Dial 1 for YES or 0 for NO
   OR
   Use UP and DOWN to scroll through options and use left or right soft key to return to step 2.

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

4. Press TRANSFER to save and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **ALL TRUNKS WILL REPORT DATA**

RELATED ITEMS: MMC 725 SMDR OPTIONS
MMC 414 ASSIGN CALLER ID TRUNKS

MMC: 416 E&M/DID RING

DESCRIPTION:

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

1. FOLLOW INCOM DGT — When a trunk is set to this option calls will ring at the destination that matches the digits received from the CO. This is the same as the current UNUSE DID TRANS option. It will operate like an E&M Tie Line.

2. 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 CO. This is the same as the current USE DID TRANS option. This is used when E&M Tie Line (both way DID Service) are used to provide DID service.

3. FOLLOW TRK RING — If this option is selected, press the right soft key and [No. REV DIGIT:00] will appear on the display. Here is where the number of incoming digits from C.O. must be entered (00 through 16). 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 VMAA port when it answers.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 416 Display shows	**[701] EM/DD RING** **FOLLOW DID TRANS**

MMC: 416

2. Enter desired trunk number (e.g., 705)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
   OR
   Press ANS/RLS to select all trunks.

```
[ 705] EM/DD RING
FOLLOW DID TRANS
```

```
[ ALL] EM/DD RING
FOLLOW TRK RING
```

3. When selecting press the right soft key and enter the number of incoming digits (eg. 04)

```
[ ALL] EM/DD RING
No. RCV DIGITS:04
```

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **FOLLOW INCOMING**

RELATED ITEMS: **MMC 714 DID NUMBER AND NAME TRANSLATION**

MMC: 417 TRK TMC GAIN

Not For Use In The United States.

DESCRIPTION:

Allows loss levels for digital 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.

Caution!! This MMC is not to correct low volume. To be used with the support of STA Technical Support Department.

Note: This MMC does not work with US trunk cards changing values will not have any effect.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 417 Display shows	[701] TRK GAIN RX:+0.0 TX:+0.0
2. Enter desired trunk number (e.g., 705) via the dial pad	[705] TRK GAIN RX:+0.0 TX:+0.0
OR Press UP or DOWN key to make selection Press RIGHT soft key to move cursor.	[705] TRK GAIN RX:+0.0 TX:+0.0
Press UP or DOWN key to make selection Press RIGHT soft key to move cursor.	[705] TRK GAIN RX:+0.0 TX:+0.0
3. Press UP or DOWN key to make selection Press RIGHT soft key to move cursor.	[701] TRK GAIN RX:+0.0 TX:-2.5

MMC: 417

Press RIGHT soft key to move cursor and return to Step 1.

4. Press ANS/RLS key to select ALL.

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

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **TX : +0.0**
RX : +0.0

RELATED ITEMS: **NONE**

MMC: 418 TRUNK GAIN CONTROL

DESCRIPTION:

Allows loss levels for digital 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.

Caution!! This MMC is not to correct low volume. To be used with the support of STA Technical Support Department.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 418 Display shows	**[701] TRK GAIN** **RX:+0.0 TX:+0.0**
2. Enter desired trunk number (e.g., 705) via the dial pad OR Press UP or DOWN key to make selection Press RIGHT soft key to move cursor.	**[705] TRK GAIN** **RX:+0.0 TX:+0.0** **[705] TRK GAIN** **RX:+0.0 TX:+0.0**
Press UP or DOWN key to make selection Press RIGHT soft key to move cursor.	**[705] TRK GAIN** **RX:+0.0 TX:+0.0**
3. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor. Press RIGHT soft key to move cursor and return to Step 1.	**[701] TRK GAIN** **RX:+0.0 TX:-2.5**
4. Press ANS/RLS key to select ALL.	**[ALL] TRK GAIN** **RX:+0.0 TX:+0.0**

MMC: 418

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **TX : +0.0**
RX : +0.0

RELATED ITEMS: **NONE**

MMC: 419 DISTINCTIVE RINGING

DESCRIPTION:

Allows the technician to assign the ring tone be sent by the calling station or trunk to the called (receiving) station. There is also a cadence control option to perform a similar function for single line sets. There are eight ring tones available for the phones. There are 5 cadences for SLT's.

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

TONE OPTION	DESCRIPTION
NO	Calls will ring with the digital phone users choice of ring frequency.
1~8	Calls from the programmed station or trunk will ring phones with this ring frequency.

CADENCE OPTION	DESCRIPTION
NO	Calls will ring with the normal SLT ring cadences.
1	Calls from the programmed station or trunk will ring SLT's with the intercom ring cadence.
2	Calls from the programmed station or trunk will ring SLT's with the CO ring cadence.
3	Calls from the programmed station or trunk will ring SLT's with the DOOR ring cadence.
4	Calls from the programmed station or trunk will ring SLT's with the ALARM ring cadence.
5	Calls from the programmed station or trunk will ring SLT's with the CALLBACK ring cadence.

MMC: 419

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 419 Display shows first station	[201] DIST RING T:NO C:NO PRI:NO
2. Dial trunk or station number (e.g., 705) OR Press UP or DOWN to select trunk or station and press RIGHT soft key to move cursor.	[705] DIST RING T:NO C:NO PRI:NO
3. Dial 1–8 to select ring tone OR Press UP or DOWN to select ring tone and press RIGHT soft key to move cursor.	[705] DIST RING T:1 C:NO PRI:NO
4. Dial 1–5 to select ring cadence OR Press UP or DOWN to select ring cadence and press RIGHT soft key to move cursor.	[705] DIST RING T:1 C:1 PRI:NO
5. Enter the priority level via the dial keypad. (1-9 or NO)	[705] DIST RING T:1 C:1 PRI:1
6. Press TRANSFER to store and exit OR Press SPEAKER to save and advance to next MMC.	

DEFAULT DATA: **T:NO – FOLLOW STATION SETTING**
C:NO – FOLLOW STATION SETTING
PRI: NO

RELATED ITEMS: MMC 111 KEYSET RING TONE

MMC: 420 ANI / DNIS OPTIONS

DESCRIPTION:

Provides a flexible means of setting in band digits to allow ANI (Automatic Number Identification) and DNIS (Dialed Number Identification Service) when used in conjunction with each other. These settings are defined on a per trunk group basis. The inband signaling string is as follows: Separator 1 (if used), DN1, Separator 2 (if used), DN2 and Separator 3 (if used). DN1 and DN2 fields must be flagged for either DNIS or ANI and the number of digits to be expected. ANI service is supported by digital T1 E&M tie line service only. The two digit call ID can be set as any two digits by selecting “AA” in the separator field. If additional wink signaling is to be received the separator "CC" should be used. "CC" allows for a wink that is not more than 400ms. Call digit strings and separators depend on the service provider. If "NONE" is set as a separator a 700ms delay or pause is allowed between the ANI fields. ANI is assigned on a trunk group basis.

Note: AA = Don’t care
CC = Wink 400 ms max.
NONE = 700ms pause max. (expect no digits)

The following options may be selected for ANI / DNIS operation:

1. Separator 1 — This indicates the start of an ANI type call. Valid inputs include 0 to 9, *, # 2 digit call I.D. (0 to 9, *,#, AA) or NONE.

2. DN1 — Select ANI or DNIS use.

3. Number of digits — Select the number of digits to received. DNIS= 1-7, ANI= 1-10

4. Separator 2 — This is the separator between the ANI or DNIS digits. Valid inputs include 0 to 9, *, #, 2 digit call I.D. (0 to 9, *,# AA) CC or NONE.

5. DN2 — Select ANI or DNIS use.

6. Number of digits — Select the number of digits to be received.

MMC: 420

7. Separator 3 — This separator indicates the close of digits being sent on an ANI / DNIS call. Valid inputs include 0 to 9, *, #, CC or NONE.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used in some fields where a value is entered or deleted
A	Used to input alpha character "A"
B	Used to insert alpha character "B"
C	Used to insert alpha character "C"

ACTION	DISPLAY
1. Press TRANSFER 420. Display shows.	**ANI DNIS SET UP** **TRK GROUP:**
2. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**ANI DNIS SET UP** **TRK GROUP:_**
3. Enter trunk group number via dial keypad Press RIGHT soft key to ENTER and proceed to the next step.	**ANI DNIS SET UP** **TRK GROUP:80**
4. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**ANI DNIS SET UP** **SEPARATOR 1:NONE**
5. Enter data via dial keypad or press HOLD for NONE. Press RIGHT soft key to ENTER and proceed to next step.	**ANI DNIS SET UP** **SEPARATOR 1:NONE**
6. Press UP or DOWN key to make selection.	**ANI DNIS SET UP** **DN 1: ANI NND:**
7. Press RIGHT soft key to move cursor.	**ANI DNIS SET UP** **DN 1: ANI NND:**
8. Press UP or DOWN key for selection. Press RIGHT soft key to enter and move cursor.	**ANI DNIS SET UP** **DN 1: ANI NND:**

MMC: 420

9. Enter the necessary number of digits via the dial keypad
Press RIGHT soft key to ENTER and proceed to next step.

```
ANI DNIS SET UP
DN 1: ANI NND:10
```

10. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.

```
ANI DNIS SET UP
SEPARATOR 2:NONE
```

11. Enter data via dial keypad or press HOLD for NONE.
Press RIGHT soft key to ENTER and proceed to next step.

```
ANI DNIS SET UP
SEPARATOR 2:*
```

12. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.

```
ANI DNIS SET UP
DN 2: DNIS NND:
```

13. Enter data via dial keypad
OR press HOLD for NONE.

```
ANI DNIS SET UP
DN 2: DNIS NND:7
```

14. Press RIGHT soft key to ENTER and return to step 1.

DEFAULT DATA: **NONE**

RELATED ITEMS: **TRUNK PROGRAMMING**
T1 PROGRAMMING
MMC 414 ASSIGN CALLER ID/ANI TRUNK
MMC 416 E&M TRANSLATIONS
MMC 714 DID TRANSLATION TABLE

ANI / DNIS Construction Method

COLLECT	COLLECT	COLLECT	COLLECT	COLLECT	COLLECT	COLLECT
Separator 1	DN1 ANI or DNIS	Number of digits to expect	Separator 2	DN2 ANI or DNIS	Number of digits to expect	Separator 3

MMC: 421 TRUNK COS

DESCRIPTION:

Used to assign a class of service to each trunk during one of the 6 different ring plans available. There are 30 different classes of service that are defined in MMC 701 Assign COS Contents. Classes of service are numbered 01–30. Trunk COS also applies on Tandem connections.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 421 Display shows first trunk	`[701] TRK COS` `1:01 2:01 3:01`
2. Dial trunk number (e.g., 705) OR Use UP and DOWN to scroll through trunks Press RIGHT soft key to advance to step 3 OR Use UP and DOWN to scroll through trunks and press LEFT soft key to advance to step 4	`[705] TRK COS` `1:01 2:01 3:01`
OR Press ANS/RLS to select all trunks.	`[ALL] TRK COS` `1:01 2:01 3:01`
3. Enter day class of service (e.g. 05) OR Use UP and DOWN to scroll through classes of service and press RIGHT soft key to advance to step 4 OR Use UP and DOWN to scroll through classes of service and press LEFT soft key to return to step 2.	`[705] TRK COS` `4:01 5:01 6:01`

MMC: 421

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

```
[705] TRK COS
1:05  2:05 3:01
```

5. Press TRANSFER to save and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: **ALL RING PLANS COS 01**

RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS
MMC 507 ASSIGN RING PLANS

MMC: 422 COST RATE

DESCRIPTION:

In this MMC, the TRUNK COST RATE flags are entered for each trunk. The per trunk cost rates are defined in MMC 729 Rate Calculation Table. The dialed digits Costing Plans are defined in MMC 730. Each trunk may be defined with up to eight cost rates. Enter one or more of the eight COST RATES per trunk. If an entry is left blank, no call costing will be calculated for that particular DIAL PLAN.

Call type 8 is fixed for incoming. Apply a cost rate under type 8 only to a trunk if you want incoming call costing.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 422 Display shows trunk number and Cost Rate table numbers	[701] :12345678 CR :00000000
2. Dial trunk number (e.g., 705) OR Press UP or DOWN to select trunk OR Press ANS/RLS for all. Press RIGHT soft key to move cursor.	[705] :12345678 CR :00000000
3. Press UP or DOWN key to move cursor along the line until the cursor is under the Cost Rate mark (e.g., 2). Enter 1 for YES or O for NO and press RIGHT soft key to return to step 1 OR	[701] :12345678 CR :01000000
4. Press TRANSFER to store and exit.	

MMC: 422

DEFAULT DATA: **ALL TRUNKS/ALL DIAL PLANS NO COST RATE ASSIGNED**

RELATED ITEMS: MMC 317 CALL COST DISPLAY OPTION
MMC 729 RATE CALCULATION TABLE
MMC 730 COSTING DIAL PLAN

MMC: 424 BRI AND PRI CARD RESTART

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 424 Display shows first PRI circuit	**[7025] RESTART** **CARD RESTART?NO**
2. Dial first trunk on PRI card (e.g., 7133) OR Press UP or DOWN key to select the first trunk and press RIGHT soft key to move the cursor.	**[7133] RESTART** **CARD RESTART?NO**
3. Dial 1 for YES OR Dial 0 for NO. Pressing 1 or 0 will advance to step 4.	**[7133] RESTART** **CARD RESTART?YES**
4. Dial 1 for YES OR Dial 0 for NO. Pressing 1 or 0 will return to step 2.	**[7133] RESTART** **ARE YOU SURE?YES**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 424

DEFAULT DATA: NONE

RELATED ITEMS: MMC 430 PRI CONTROL

MMC: 430 PRI CONTROL

DESCRIPTION:

This MMC allows the technician to program a TEPRI trunk card, which has been designated as a PRI. The normal mode of operation for a PRI facility in the US is DID (i.e., shown as DDI in this MMC) service for incoming calls and senderized operation (i.e., the switch provides dial tone, collects the called number digits, and then places the call) for outgoing calls. The only useful mode of operation for a U.S. PRI is the DDI (i.e., DID) mode. Further, the default Timer settings are appropriate for the U.S. and should not be changed unless you are instructed to do so by the Samsung Product and/or Technical Support Departments.

PROGRAM KEYS

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

OPTION TABLE

ANY CHANNEL:
YES = Preferred channel selection (i.e., another idle channel may be used for this call if this channel is initially selected);
NO = Exclusive channel selection (i.e., only this channel may be used)
for this call if this channel is initially selected)

PRI MODE: DDI = the only valid U.S. selection (U.S. DID mode); NORMAL = don't use in the U.S. (same as the T1 trunk per channel mode)

CH. SELECT:
HIGH = hunt for a channel from the highest numbered channel to the lowest when making an outgoing call;
LOW = hunt for a channel from the lowest numbered channel to the highest when making an outgoing call

SWH:
The ISDN protocol you wish to run (e.g., NI_2, 5ESS10, DMS100, NI_1, Bellcore 5ESS5, 5ESS9)

MMC: 430

USE CHANNEL: the number of provisioned ISDN "B" channels on the PRI (range: 1-23)

TIMER: ISDN T200 and T300 series timer values (note: do not change these since defaults are correct for U.S. operation

CLI TABLE: This refers to the table 1-4 in MMC 321 that will be used for Calling party number (the CLI that is sent).

ACTION	DISPLAY
1. Press TRANSFER 430. Display shows.	[7001] PRI OPTION ANY CHANNEL:YES
2. Dial first PRI trunk number in PRI card (e.g.,7030) OR Press UP or DOWN key to make selection and press RIGHT soft key.	[7030] PRI OPTION ANY CHANNEL:YES
3. Press RIGHT soft key and press UP or DOWN key to make selection.	[7030] PRI OPTION ANY CHANNEL:NO
4. Press RIGHT soft key twice. Press UP or DOWN key to make selection (PRI MODE, CH. SELECT, SWH, USE CHANNEL, or TIMER) and press RIGHT soft key. Do not change this setting to NORMAL since DDI (i.e., DID) is the only valid setting for the U.S.	[7030] PRI OPTION PRI MODE:DDI
5. Press RIGHT soft key three times and press UP key.	[7030] PRI OPTION CH. SELECT:HIGH
6. Press RIGHT soft key and press UP key to make selection.	[7030] PRI OPTION CH. SELECT:LOW
7. Press RIGHT soft key twice and press UP key.	[7030] PRI OPTION SWH:NI_2

MMC: 430

8. Press RIGHT soft key and press UP or DOWN key to make selection.

```
[7030] PRI OPTION
SWH:5ESS10
```

9. Press RIGHT soft key twice and press UP key.

```
[7030] PRI OPTION
USE CHANNEL:23
```

10. Press RIGHT soft key and press UP or DOWN key to make selection. Then press RIGHT soft key

    OR

    Press RIGHT soft key and dial the number of channels in use.

```
[7030] PRI OPTION
USE CHANNEL:10
```

11. Press RIGHT soft key and press UP key.

```
[7030] PRI OPTION
TIMER:
```

    Press UP key and press RIGHT soft key twice.

```
[7030] PRI OPTION
CLI TABLE :
```

    Press UP or DOWN key, key in trunk number

    OR

    Press TRANSFER to store and exit

    OR

    Press SPEAKER to store and advance to next MMC.

DEFAULT DATA:

ANY CHANNEL: YES
PRI MODE: DDI
CH. SELECT: HIGH
SWH: NI_2
USE CHANNEL: 23
TIMER: NONE
CLI TABLE: NONE

RELATED ITEMS:

MMC 321 CLI TABLE
MMC 424 CARD RESTART
MMC 714 DID NAME AND NUMBER TRANSLATION

MMC: 432 CONNECTION STATUS

DESCRIPTION:

This read only MMC will confirm the connection status of stations or trunks. Display status actually displays the status of a station or trunk at the time requested. If a conference is in progress with the selected trunk or station the display will show one of the conference parties and an arrow (→). The technician or system administrator can then display the next parties in the conference. If a station or trunk is in an idle state the display will show "NONE". If the station or trunk selected is not a valid selection the display will show "INVALID DATA". If the station or trunk is made busy by the CPU the display will show “MADE BUSY”. If the station is in busy state with no other connection, the display will show “BUSY” only.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to advance to next MMC
TRANSFER	Exit

ACTION	DISPLAY
Display trunk connection status	
1. Press TRANSFER 432.	**DISPLAY STATUS** **201 : IDLE**
2. Enter station or trunk number. Display show connection status.	**DISPLAY STATUS** **702 : 227**
3. Enter another station or trunk OR press TRANSFER to exit.	**DISPLAY STATUS** **702 : 227**
Display station connection status	
1. Press TRANSFER 432.	**DISPLAY STATUS** **701 : IDLE**
2. Enter station or trunk number. Display show connection status.	**DISPLAY STATUS** **235 : 715**

3. Enter another station or trunk OR press TRANSFER to exit.

```
DISPLAY STATUS
235 : 715
```

Display trunk status in conference.
Example: Trunk 702, stations 227, 215, and 216 in conference.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
702 : 227  215   →
```

3. Press RIGHT softkey to display the next station or trunks involved.

```
DISPLAY STATUS
702 : 216
```

4. Enter another station or trunk OR press TRANSFER to exit.

```
DISPLAY STATUS
225: NONE
```

5. Enter another station or trunk OR press TRANSFER to exit.

```
DISPLAY STATUS
216 : 702  227   →
```

Display status no connection.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
702 : NONE
```

3. Enter another station or trunk OR press TRANSFER to exit.

```
DISPLAY STATUS
702 : NONE
```

Display connection status with invalid trunk or station number.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
INVALID DATA
```

3. Enter another station or trunk OR press TRANSFER to exit.

```
DISPLAY STATUS
201 : IDLE
```

MMC: 432

Display connection status with trunk or station number in maintenance busy.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
725 : MADE BUSY
```

3. Enter another station or trunk OR
   press TRANSFER to exit.

```
DISPLAY STATUS
725 : MADE BUSY
```

DEFAULT DATA: NONE

RELATED ITEMS: MMC 409 TRUNK STATUS

MMC: 500 SYSTEM-WIDE COUNTERS

DESCRIPTION:

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

0 ALARM REM. CNTER	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1-99. (Also used for wake up calls).
1 AUTO RDL COUNTER	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	Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99.
3 DISA LOCK CNTER	Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE =1-99
4 NEW CALL COUNTER	Number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1-99.
5 UCDS VISUAL ALARM	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. The SP key will flash when this number of calls is queued to the UCD group. RANGE = 0-25.
6 UCDS AUDIO ALARM	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. The SP key will flash and the phone will ring when this number of calls is queued to the UCD group. RANGE = 0-25.
7 UCD CS LEVEL 1	Provides call wait indication level 1 if number of calls waiting to be answered in UCD group reaches this value. CS keys will flash amber when this number of calls is queued to the UCD group. RANGE = 0-25.

MMC: 500

8	UCD CS LEVEL 2	Provides call wait indication level 2 if number of calls waiting to be answered in UCD group reaches this value. CS keys will flash red when this number of calls is queued to the UCD groups. RANGE = 0-25.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 500. Display shows.	**ALARM REM.CNTER** **05→**
2. Enter number from above list (e.g., 6) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**UCDS VISUAL ALARM** **00→**
3. Enter in new value via dial keypad. If entry is valid, system will return to step 2.	**UCDS VISUAL ALARM** **00→02**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

ALARM REM. CNTER	**05**
AUTO RDL COUNTER	**05**
DISA CALL CNTER	**99**
DISA LOCK CNTER	**03**
NEW CALL COUNTER	**99**
UCDS VISUAL ALARM	**00**
UCDS AUDIO ALARM	**00**
UCD CS LEVEL 1	**00**
UCD CS LEVEL 2	**00**

RELATED ITEMS: MMC 501 SYSTEM-WIDE TIMERS

MMC: 501 SYSTEM TIMERS

DESCRIPTION:

Allows the technician to adjust individual timers as necessary.

NOTE: Certain timers are disabled when the value is “000”.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 501. Display shows first timer value.	AA INT DGT TIME 05 SEC
2. Press UP or DOWN key to select timer and press RIGHT soft key to move cursor.	KMMC LOCK OUT TM 30 SEC _
3. Enter new value using keypad; if valid, system returns to step 2 with new value.	KMMC LOCK OUT TM 30 SEC 250
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: SEE TABLE OF TIMERS AND VALUES

RELATED ITEMS: NONE

MMC: 501

TIMER TABLE

TIMER NAME	DEFAULT	RANGE
ALARM TIMER	0100 MIN	0000-2500 MIN
ALERT TONE TIMER	500 MS	100–2500 MS
ALM REM.INTERVAL*	25 SEC	1–250 SEC
ALM REM.RING OFF*	20 SEC	1–25 SEC
ATT.RECALL TIME	30 SEC	0–250 SEC
AUTO REDIAL INT.	30 SEC	1–250 SEC
AUTO REDIAL RLS.	45 SEC	1–250 SEC
CALLBACK NO ANS	30 SEC	1–250 SEC
CAMP ON RECALL	30 SEC	000–250 SEC
CID MSG RECEIVE	06 SEC	1–25 SEC
CID DSP ALLOC TM	500 MS	
CID DISPLAY TIME	05 SEC	1–25 SEC
CO–CO DISCONNECT	20 MIN	001–250 MIN
CONFIRM TONE TM	1000 MS	100–2500 MS
CRD TONE INT TM	30 SEC	000–250
DIAL PASS TIME	03 SEC	0–25 SEC
DISA DISCONNECT	30 MIN	1–250 MIN
DISA DTMF DETECT	000 SEC	0-250 SEC
DISA LOCK OUT/TM	30 MIN	1–250 MIN
DISA NOANS DISC	30 SEC	000–250 SEC
DISA PASS CHECK	30 MIN	1–250 MIN
DISA NO ACTION	10 SEC	
DISPLAY DELAY TM	03 SEC	1–250 SEC
DOOR LOCK RELES.	500 MS	100–2500 MS
DOOR RING DETECT	50 MS	10–250 MS
DOOR RING OFF TM	30 SEC	1–250 SEC
E-HOLD RECALL TM	45 SEC	0–250 SEC
FIRST DIGIT TIME	10 SEC	1–250 SEC
HOK FLASH MAX TM	800 MS	0020–2500MS
HOK FLASH MIN TM	350 MS	0020–2500MS
HOOK OFF TIME	100 MS	20–2500 MS
HOOK ON TIME	1000 MS	20–2500 MS
INQUIRY RELEASE	30 SEC	1–250 SEC
INTER DIGIT TIME	10 SEC	001–250 SEC
ISDN INTER DIGIT TIMER	03 SEC	01-15 SEC
KMMC LOCK OUT TM	30 SEC	10–250 SEC
LCR ADVANCE TIME	05 SEC	1–250 SEC
LCR INTER DIGIT	05 SEC	1–250 SEC
LONG KEY DETECT	600 MS	1-2500 MS
LONG KEY REPEAT	300 MS	1-2500 MS
MS LED ON TIME	5 SEC	1-10 SEC
OFF HOK RING INT	15 SEC	1–250 SEC
OHVA ANSWER TIME	10 SEC	1–250 SEC
PAGE TIME OUT	20 SEC	1–250 SEC
PAGE TONE TIME	500 MS	100–2500

MMC: 501

TIMER NAME	DEFAULT	RANGE
PARK RCALL TIME	45 SEC	0–250 SEC
PC-MMC LOCK OUT	5 MIN	01–60 MIN
PERI UCD REPORT	05 SEC	03-99 SEC
POWER DOWN TIME	2000 MS	1000–9000 MS
RECALL DISCONECT	002 MIN	1–250 SEC
RECALL WAIT TIME	15 SEC	000–250 SEC
ROUTE OPTIMIZE	5 SEC	0–250 SEC
SMDR START/DP	30 SEC	1–250 SEC
SMDR START/DTMF	15 SEC	1–250 SEC
SYS HOLD RECALL	45 SEC	0–250 SEC
TRANSFER RECALL	20 SEC	0–250 SEC
TRK AUTOMOH DISC	60 SEC	
TSW CONN. DEL	00 SEC	00–10 SEC
UCDS AUDIO ALARM	0 SEC	0–990 SEC
UCDS VISUAL ALAM	0 SEC	0–990 SEC
VOIP RE-ROUTE TM	15 SEC	2–25 SEC

*Also used for wake-up calls.

TIMER DESCRIPTIONS

ALARM TIMER This is the time the system alarm key will start ringing after the alarm key has been silenced.

ALERT TONE TIMER This timer sets the duration of the attention tone preceding a call to a keyset in the Voice Announce or Auto Answer mode. This tone will also precede a forced Auto Answer call.

ALM REM INTERVAL This timer controls the time length between ring attempts at a station when alarm reminder is set. (Also used for wake-up calls).

ALM REM RING OFF This timer controls the length of the ring cycle duration when alarm reminder is set at a station. (Also used for wake-up calls).

ATT RECALL TIME This is the length of time a transfer recall (hold or transfer) will ring at an idle station before recalling the operator.

AUTO REDIAL INT This timer controls the time between attempts after RETRY dialing is set on a station.

AUTO REDIAL RLS This timer controls the duration of a Ring No Answer condition on a retry number dialed before the auto redial is automatically canceled.

MMC: 501

CALLBACK NO ANS This timer controls the time before the callback is automatically canceled when a callback detects Ring No Answer.

CAMP ON RECALL This timer controls the duration of time a camped-on call will stay at a destination before recalling to the transferring station.

CID MSG RECEIVE The amount of time that the system will allow a valid message from the C.O.

CID DSP ALLOC TM

CID DISPLAY TIME The amount of time that the Caller ID information remains on the keyset's display.

C.O.-C.O. DISCONNECT This timer monitors the duration of an unsupervised conference; when it expires, both trunks are disconnected.

CONFIRM TONE TIME The tone heard when a feature is activated or deactivated.

CRD TONE INT TM This is the call record tone interval time. An entry other than zero will cause a tone to be heard by all the parties in a recorded conversation. The range for the tone is 001 (every second) to 255 (every 255 seconds). A value of 000 means no tone. Requires SVMi-20E card.

DIAL PASS TIME This timer monitors the duration of time before connecting the transmit of the keyset to the trunk side of an outgoing call.

DISA DISCONNECT This timer controls the maximum duration of a DISA call.

DISA DTMF DETECT This timer sets the time duration that DTMF can be received on a DISA line.

DISA LOCK OUT TIMER This timer controls the duration of time a DISA call is not allowed to be made after the DISA error counter has expired (MMC 500).

DISA NOANS DISC.

DISA PASS CHECK This timer defines the time period before the system clears the incorrect passcode counter.

DISA NO ACTION

MMC: 501

DISPLAY DELAY TIMER This timer controls the duration a display is shown in the LCD display. This timer also controls the duration of time that error tone is heard.

DOOR LOCK RELEASE This timer controls the duration of time the door lock relay will be activated.

DOOR RING DETECT This timer controls the duration of time before a call is answered by the door phone.

DOOR RING OFF TM This timer controls the duration of ringing at the door ring destination before automatically canceling.

E-HOLD RECALL TM This timer controls the duration of time a call is held exclusively at a station before recalling.

FIRST DIGIT TIME This timer controls how long the system will wait for dialing to begin before dropping the dial tone and returning the user to error tone.

HOK FLASH MAX TM This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (LONGEST DURATION).

HOK FLASH MIN TM This timer monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (SHORTEST DURATION).

HOOK OFF TIME This timer controls the time before dial tone is sent to a single line station.

HOOK ON TIME This timer sets the minimum amount of time that the system will recognize as an SLT hang up.

INQUIRY RELEASE This timer monitors the duration of the interaction of the soft key to determine when to return the LCD back to a normal status. This timer affects only display phones.

INTER DIGIT TIME This timer controls the grace period between dialing valid digits before dropping the call and returning the user back to error tone.

ISDN INTERDIGIT TIMER This timer controls the grace period between dialing valid digits and the end of the dialing string on an ISDN call.

MMC: 501

KMMC LOCKOUT TIMER This timer controls the grace period between programming actions while in a programming session. The timer automatically returns the system to secure programming status.

LCR ADVANCE TIME This timer controls the duration of time before selecting the next allowable route when a station is allowed to route advance.

LCR INTER DIGIT This timer controls the grace period between dialing valid digits before accessing a trunk.

LONG KEY DETECT This timer controls the time a key must be held down before the key press is repeated.

LONG KEY REPEAT This timer controls the time between repeated digits on a long key press.

MS LED ON TIME This timer controls the duration a Manual Signalling key will remain on after use.

OFF HOOK RING INTERVAL This timer controls the duration of time between ring bursts to a user who has a camped-on call.

OHVA ANSWER TIME This timer controls the time duration of an OHVA call before automatic rejection.

PAGE TIME OUT This timer controls the duration of a page announcement.

PAGE TONE TIME This timer controls the duration of tone burst heard over the page prior to the page announcement.

PARK RECALL TIME This timer controls the duration of time a call is parked before recalling to the call park originator.

PC-MMC LOCK OUT This timer monitors the WebMMC activity, drops the the link if no action is created by the WebMMC and returns the system back to secure program status.

PERI-UCD REPORT This timer is the interval that a periodic UCD report is output.

POWER DOWN TIME This timer monitors the power to the ROM pack to begin shutdown status.

RECALL DISCONNECT This is the time an attendant recall will ring before being disconnected.

MMC: 501

RECALL WAIT TIME This is the time any recall (hold or transfer) to a busy station continues to wait at the station before recalling to the operator.

ROUTE OPTIMIZE

SMDR START/DIAL PULSE (ROTARY) This grace period timer starts SMDR recording for rotary dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

SMDR START/DTMF This grace period timer starts SMDR recording for touchtone dialing. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

SYS HOLD RECALL This timer determines the time calls can be left on hold before recalling back to the holding station. This is a system-wide timer. Setting timer to 000 will defeat this feature and no recalling will take place.

TRANSFER RECALL This timer determines the time transferred calls ring before recalling. This is a system-wide timer.

TRK AUTOMOH DISC

TSW CONN. DELAY This timer determines the length of time before the audio path is connected to a CO line after seizure via LCR.

UCDS AUDIO ALARM When the Auto Attendant function in the SVMi-20E is used 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 When the Auto Attendant function in the SVMi-20E is used, the digital UCD package enabled, this counter determines the maximum number of seconds a call at the UCD group before the UCD group's SUPV key begins to flash as an alarm. For more UCD alarm conditions, see MMC 500.

VOIP RE-ROUTE TM When the outgoing call is made via VOIP trunk and does not receive a message from the called party within this time, the call is disconnected.

MMC: 502 STATION-WIDE TIMERS

DESCRIPTION:

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

1 NO ANS FWD — This timer controls how long the station will ring before Forward on No Answer takes place. (Range: 001- 250 sec.)

2 DTMF DUR. — This timer governs the duration of DTMF digits which are transmitted to an external VM system port. This can be used when a VMS system fails to recognize the default DTMF digit duration being transmitted from the DCS SLT port. (Range: 100- 9900 m sec.)

3 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. (Range: 00- 9900 m sec)

4. OFFHK SEL — This timer controls the grace period before placing an internal/external call as programmed in MMC 306. (Range: 000- 250 sec.)

5. EFWD DELAY — This timer controls how long a station will ring before the call is forwarded to an external number. (Range: 000 – 250 sec.)

6. CC RNG DLY — When the station does not answer incoming call within this time, other stations with the CC key of that station will ring together. This feature only applies to the station call and station group call does not serviced (Range: 10 sec)

PROGRAM KEYS

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

MMC: 502

ACTION	DISPLAY
1. Press TRANSFER 502. Display shows.	`[201] NO ANS FWD` `010 SEC →`

2. Dial station number (e.g., 205)
OR
Press UP or DOWN key to select station and press RIGHT soft key
OR
Press ANS/RLS to select all stations and press RIGHT soft key.
	`[205] NO ANS FWD`
	`010 SEC →_`
	
	`[ALL] NO ANS FWD`
	`010 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` `010 SEC →020`
4. Dial timer number from above list (e.g. 2) OR Press UP or DOWN key to select and press RIGHT soft key to move cursor.	`[205] DTMP DUR.` `0100 MS →_`
5. Enter new timer value (must be four digits, e.g. 0200). System returns back to step 2.	`[205] DTMP DUR.` `0100 MS →0200`
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

NO ANS FWD	**015 SEC**
DTMF DURATION	**0100 MSEC**
FIRST DGT DELAY	**0600 MSEC**
OFFHK SEL	**008 SEC**
EFWD DELAY	**010 SEC**
CC RNG DLY	**010 SEC**

RELATED ITEMS:

MMC 102 CALL FORWARD
MMC 207 ASSIGN VM/AA PORT
MMC 726 VM/AA OPTIONS

MMC: 503 TRUNK-WIDE TIMER

DESCRIPTION:

Allows certain trunk timer values to be changed on a per-trunk basis or for all trunks. It is not advisable to change these values, with the exception of trunk Flash Time, without assistance from Technical Support.

TIMER	DESCRIPTION
ANS.BAK TM	ANSwer BAcK TiMe. This timer is used for certain types of E&M signaling and does not affect normal CO lines.
CLEARING	This timer ensures that a call is fully disconnected at the CO by preventing CO access outgoing or receiving incoming ring between a disconnect and the expiration of this timer.
CO SUPV TM	CO SUPerVision TiMe this is the minimum length of loop open disconnect received from the CO that will be seen as a valid hang up on the system.
DTMF DUR.	DTMF DURation This is the length of the DTMF digits that will be sent to the CO on this line.
F-DGT DELY	First DiGiT DELaY This is the length of time the system will wait for CO line conditions to stabilize after seizure before sending DTMF digits.
FLASH TIME	This is the duration of the momentary open sent on a circuit flagged as PBX in MMC 401.
NO RING TM	This is the length of time the system will wait after detecting a ring burst on a line before deciding the call has disconnected.
PAUSE TIME	This is the length of time the system will wait before sending the next digit for a pause in a speed dial bin.
RNG DET TM	RiNG DETect TiMe This is the minimum length of ring signal the system will regard as a valid ring.
WINK TIME	This is the duration of the acknowledgment signal that the system will send on an E&M circuit.
MF/DP INT	This is the interval time between each sending digit. In the case of DTMF, if this time is set for 500 ms or more, then the time interval will be 100ms.

MMC: 503

MFR DLY TIME — This is a delay time before a receiver will listen for DTMF for incoming call. This timer should not be changed from its default value of 0 seconds.

DISA ANSR — This is a delay time to answer the DISA trunk call or to answer the trunk when TRK AUTO ANSWER is set to ON (MMC 400).

CONN DELAY — This is a delay time to connect voice path when the users make outgoing call via loop trunk. This is to prevent the user from hearing noise when loop trunk is seizured.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 503. Display shows.	`[701] ANS.BAK TM` `0600 MS ®`

2. Dial trunk number (e.g., 704)
OR
Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor
OR
Press ANS/RLS to select all trunks and press RIGHT soft key to move cursor.
	`[704] ANS.BAK TM`
	`0600 MS ®`
	
	`[ALL] ANS.BAK TM`
	`0600 MS ®`

3. Dial timer number from the list OR Press UP or DOWN key to select timer and press RIGHT soft key to move cursor.	`[704] DTMF DUR.` `0600 MS ®_`
4. Enter new timer value (must be four digits, e.g., 0700). System returns to step 2.	`[704] DTMF DUR.` `0600 MS ®0700`

MMC: 503

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: SEE BELOW

TIMER NUMBER	TIMER NAME	VALUE	RANGE
0	ANS.BAK TM	600 MSEC	0000–2500 MSEC
1	CLEARING	2000 MSEC	0100–9900 MSEC
2	CO SUPV TM	400 MSEC	0010–2500 MSEC
3	DTMF DUR.	100 MSEC	0100–9900 MSEC
4	F-DGT DELY	600 MSEC	0100–9900 MSEC
5	FLASH TIME	600 MSEC	0020–2500 MS
6	NO RING TM	07 SEC	01–25 SEC
7	PAUSE TIME	03 SEC	01–25 SEC
8	RNG DET TM	0050 MSEC	0010–2500 MS
9	WINK TIME	200 MSEC	0100-300 MSEC
10	MF/DP INT	0800 MSEC	0100–9900 MSEC
11	MFR DLY TIME	00 SEC	00–25 SEC
12	DISA ANSWR	01 SEC	00–60 SEC
13	CONN DELAY	0000 MSEC	0000–2500 MSEC

RELATED ITEMS: NONE

MMC: 504 PULSE MAKE/BREAK RATIO

DESCRIPTION:

Allows the ability to change the value of pulses per second and the duration of the make/break time. This will only affect rotary dial trunks.

FEATURE KEYS

Dial 0	Make/Break Ratio (01–99)
Dial 1	Pulse Per Second (10 or 20)

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 504. Display shows.	**MAKE/BREAK RATIO** **33 MAKE→**
2. Dial 0 or 1 for option OR Press UP or DOWN key for selection and press RIGHT soft key to move cursor.	**PULSE PER SECOND** **10 PPS →_**
3. Dial new value. System returns to step 2.	**PULSE PER SECOND** **10 PPS →20**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **MAKE/BREAK = 33**
PULSES PER SECOND = 10

RELATED ITEMS: MMC 402 TRUNK DIAL TYPE

MMC: 505 ASSIGN DATE AND TIME

DESCRIPTION:

Allows the system date and time to be set. This will set the system-wide clock.

FEATURE KEYS

W	Day of Week	0–6 (0:SUN, 1:MON, 2:TUE, 3:WED, 4:THU, 5:FRI, 6:SAT)
MM	Month	01–12
DD	Date	01–31
YY	Year	00–99
HH	Hour	00–23
MM	Minute	00–59

PROGRAM KEYS

KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC

ACTION	DISPLAY
1. Press TRANSFER 505. Display shows.	OLD:6010184:0047 NEW:WMMDDYY:HHMM
2. Enter new time and date using above table. System returns to step 2.	OLD:6010184:0047 NEW:3020994:1445
3. Verify time and date. Reenter if necessary.	OLD:3020994:1445 NEW:WMMDDYY:HHMM
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: FOLLOW SOFTWARE DATE 12:00

RELATED ITEMS: NONE

MMC: 506 TONE CADENCE

DESCRIPTION:

Provides the ability to customize the tone cadence on a system-wide basis. There are ten tone cadences available. Please call Technical Support before changing any cadences as some systems may require default settings.

TONE NAME	DESCRIPTION
BUSY TONE	The called station is busy.
CONFM/BARGE	A feature has been successfully activated/cleared or a Barge In with Tone has been performed.
DIAL TONE	The system is ready to interpret key presses/dialed digits.
DND/NO MORE	The called station is in DND or has no free CALL buttons.
ERROR TONE	An error has been made.
HOLD/CAMPON	This is the system generated hold tone.
MSGWAT TONE	This is the dial tone heard at an SLT with a message waiting.
RGBACK TONE	The called station is ringing.
RING TONE	This is the CO ring cadence.
TRSFER TONE	This is the dial tone heard when the transfer key is pressed or an SLT hook flashes.
DID RGBACK	This is the ringback tone heard by the outside party when they dial a DID number.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 506. Display shows.	**BUSY TONE** **CONTINUOUS TONE**

MMC: 506

2. Dial tone number from above list (0–9, e.g., 9)
   OR
   Press UP or DOWN key to select tone, press LEFT soft key and advance to step 3.

```
TRSFER TONE
INTERRUPT TONE
```

3. Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT
   OR
   Press UP or DOWN key to select tone control and press RIGHT soft key to advance to step 4
   OR
   Press LEFT soft key to return to step 2.

```
TRSFER TONE
INTERRUPT TONE
```

4. Dial new value for interrupt times (must be four digits).
   Press RIGHT soft key advances cursor.
   Press LEFT soft key retreats cursor.
   If valid entry, system returns to step 2.

```
TRSFER TONE:0100
9900 0100 9900
```

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: SEE BELOW FOR CADENCES. BY DEFAULT DIAL TONE AND MESSAGE WAIT TONE ARE CONTINUOUS.

	TONE	ON	OFF	ON	OFF	TONE
0	BUSY TONE	500	500	500	500	Interrupt
1	CONFIRM/BARGE-IN TONE	50	50	50	50	Interrupt
2	DIAL TONE	1000	250	1000	250	Continuous
3	DND/NO MORE TONE	250	250	250	250	Interrupt
4	ERROR TONE	250	250	250	250	Interrupt
5	HOLD/CAMP-ON TONE	500	3500	500	3500	Interrupt
6	MESSAGE WAIT TONE	1000	250	1000	250	Continuous
7	RING BACK TONE	1000	3000	1000	3000	Interrupt
8	RING TONE	1000	3000	1000	3000	Interrupt
9	TRANSFER TONE	100	100	100	100	Interrupt
10	DID RINGBACK TONE	2000	4000	2000	4000	Interrupt

NOTE: All times are in milliseconds.

RELATED ITEMS: NONE

MMC: 507 ASSIGN RING PLAN TIME

DESCRIPTION:

Use this MMC to program Ring Plans time settings. Ring Plans provide six separate ringing destinations based on day of the week and time of day. The start time within a plan is the time the system will switch from one ringing destination to the next. The end time is the time the system will switch from that plan to the previous plan. A RPO (Ring Plan Override) key is not needed as the system will switch automatically; however, it is helpful to have a dedicated button so the status can be manually changed if needed. If a ring plan has no time entry the ring plan defaults to ring plan 1. The ring plans correlate with all MMC's that program ring or termination destinations and station and trunk COS.

Use the following example of assigning Ring Plans:

RING PLAN	START TIME	END TIME
(MON: 1)	ST: 0000	END: 23:59
(MON: 2)	ST: 0800	END: 2200
(MON: 3)	ST: 1000	END: 2000
(MON: 4)	ST: 1200	END: 1800
(MON: 5)	ST: 1300	END: 1600
(MON: 6)	ST: 1400	END: 1500

Using a 24 hour clock in the example above notice that the END time is within the same 24 hour period. The system will stay in the last active Ring Plan from the previous day until the end time which is 23:59. Monday starts the Ring Plan 1 at 00:00. The system will stay Ring Plan 1 until 08:00 and will stay in Ring Plan 2 until Ring Plan 3 starts. As each ring Plan start it will override the previous Ring Plan. If a Ring Plan ends and there are no additional Ring Plans the system will default to the Ring Plan with time that extends past the expired ring plan time.

Note 1: Ring Plans must be programmed in sequence. IE. RP 1,2,3,4 etc.
A Ring Plan cannot be omitted. IE. RP 1,2,5 etc.
A higher numbered Ring Plan cannot have a START time before a lower numbered Ring Plan.

Note 2: Ring Plan 1 is the default Ring Plan of each day. If no Ring Plan destination is input the operator group (500/5000) is the default destination.

MMC: 507

FEATURE KEYS

0	SUN	4	THU
1	MON	5	FRI
2	TUE	6	SAT
3	WED		

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 507. Display shows.	`RING PLAN (SUN:1)` `ST:0000 END:0000`
2. Dial day number (0–6, e.g., 3) OR Press UP or DOWN key to select day Press RIGHT soft key to advance cursor to step 3.	`RING PLAN (WED:1)` `ST:0000 END:0000`
3. Dial start time for night, e.g., 1730. If valid, cursor moves to end time. Enter end time. If valid, system returns to step 2 begin again.	`RING PLAN (WED:1)` `ST:1730 END:0800`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **START: NONE** **END: NONE**

RELATED ITEMS:

MMC 211 DOOR PHONE
MMC 406 TRUNK RING
MMC 421 TRUNK COS
MMC 701 STATION COS
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING
MMC 512 HOLIDAY ASSIGNMENTS

MMC: 510 SLI RING CADENCE

DESCRIPTION:

Provides the ability to customize the receiving ring cadence for single line ports on a system-wide basis. There are 5 cadences available. Please call Technical Support before changing any cadences as some peripheral systems may require default settings.

CADENCE NAME	DESCRIPTION
1:STN RING	This is the cadence incoming intercom calls will ring at.
2:TRK RING	This is the cadence incoming trunk calls will ring at.
3:DOOR RING	This is the cadence incoming doorphone calls will ring at.
4:ALM RING	This is the cadence incoming alarm reminder calls will ring at.
5:CBK RING	This is the cadence callbacks will ring at.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 510. Display shows.	`1:STN RING :0400` `0200 0400 3000`
2. Dial cadence number from above list (e.g., 3) OR Press UP or DOWN key to select , press LEFT soft key and advance to step 3.	`3:DOOR RING:0400` `0100 0400 2000`

MMC: 510

3. Dial new value for interrupt times (must be four digits).
   Press RIGHT soft key advances cursor.
   Press LEFT soft key retreats cursor.
   If valid entry, system returns to step 2.

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

4. Press TRANSFERF to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: SEE BELOW

	CADENCE	ON	OFF	ON	OFF
1	STN RING	0400	0200	0400	3000
2	TRK RING	1000	3000	1000	3000
3	DOOR RING	0400	0100	0400	2000
4	ALM RING	0200	0200	0200	2000
5	CBK RING	0200	0200	0200	4000

NOTE: All times are in milliseconds.

RELATED ITEMS: NONE

MMC: 511 MSG WAITING LAMP CADENCE

DESCRIPTION:

This MMC defines the cadence (flash rate) of single line telephone message waiting lamps on phones connected to a 16MWSLI card. There are two main choices for the MW lamp cadence available, these being continuous and interrupted as described below.

OPTION KEYS

0	INTERRUPTED	The MW lamp will flash at a rate determined by the timer settings. The shortest on time is 100ms and the longest on time is 3000ms. The shortest off time is 100ms and the longest off time is 3000ms. The timer is adjusted in 100ms increments.
1	CONTINUOUS	When an 8MWSLI or a 16MWSLI port has a message, the lamp will be lit steady.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 511. Display shows.	**MW LAMP CADENCE** **CONTINUOUS LED**
2. Press 0 or 1 to select CADENCE OR Press UP or DOWN key to make selection Press RIGHT soft key to advance to step 3.	**MW LAMP CADENCE** **INTERRUPT LED**
3. Dial new values for interrupt times (four digits). Press RIGHT soft key to move cursor back. If valid entry, system returns to step 2.	**MW LAMP CADENCE** **2000 2000**

MMC: 511

Press LEFT soft key to move cursor back.
If valid entry, system returns to step 2.

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to save and advance to next MMC.

DEFAULT DATA: INTERRUPT LED (1000 MS 1000 MS)

RELATED ITEMS: 16MWSLI CARD ONLY

MMC: 512 HOLIDAY ASSIGNMENT

DESCRIPTION:

This MMC defines up to 20 holiday dates throughout the year. The system will override the normal ring plan for these days and remain in the ring plan associated with the holiday. Dates are entered in a month day format. For example July 4th would be 0704. One ring plan applies to all holidays.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 512. Display shows the Ring Plan.	**RING PLAN** **FOLLOW 1**
2. Press RIGHT soft key advance cursor. Press UP or DOWN key to select a Ring Plan OR Use the dial pad to select a Ring Plan (eg. 2).	**RING PLAN** **FOLLOW 2**
3. Press the RIGHT softkey to enter and advance cursor.	**RING PLAN** **FOLLOW 2**
4. Press UP or DOWN key to scroll to assign Holiday and press RIGHT soft key to advance cursor.	**ASSIGN HOLIDAY** **01:**
5. Press UP or DOWN key to select entry and press RIGHT soft key enter and advance cursor.	**ASSIGN HOLIDAY** **05:**
6. Dial date using the dial pad for holiday (eg. 0704).	**HOLIDAY : MMDD** **05:0704**

MMC: 512

7. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO HOLIDAY ASSIGNED**
FOLLOW RING PLAN 1

RELATED ITEMS: **MMC 507 ASSIGN RING PLAN TIME**
MMC 406 TRUNK RING

MMC: 515 ASSIGN DAYLIGHT SAVINGS DATES

DESCRIPTION:

Allows the Technician to program the start dates and end dates of daylight saving time on a system for the current year and the next 9 years. System will automatically add 1 hour to the system clock at 02.00 (2.00 am) on the Start date and subtract 1 hour from the system clock at 02.00 (2.00 am) on the End date.

The US starts daylight savings time on the first Sunday in April and ends on the last Sunday in October.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 515. Display shows.	NO:YY:START:END 01:13:0407 :1027
2. Press UP or DOWN key to select entry 01 to 10, eg. 05.	NO:YY:START:END 05:17:0407 :1027
3. Press RIGHT soft key to enter the year in a 2 digit format eg: 08 for 2008. The cursor moves to the START field.	NO:YY:START:END 05:08:0407 :1027
4. Using the keypad, enter the start date in format MMDD. The cursor moves to the END field eg. 0428 (April 28).	NO:YY:START:END 05:08:0428 :1027
5. Using the keypad enter the END date in format MMDD, e.g. 1027, (October 27).	NO:YY:START:END 05:08:0428 :1027
6. Repeat steps 2 to 5 for each year in sequence.	
7. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 515

DEFAULT DATA: NONE

RELATED ITEMS: MMC 505 DATE & TIME

MMC: 600 ASSIGN OPERATOR GROUP

DESCRIPTION:

Used to assign an operator group for each ring plan.

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 600.
   Display shows.

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

2. Dial the ring plan number (1~6)
   OR
   Press the RIGHT soft key to advance the cursor.

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

3. Dial the group number
   OR
   Press UP and DOWN key to select group and press RIGHT soft key.

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **1~6 : 500**

RELATED ITEMS: MMC 211 DOOR RING ASSIGNMENT
MMC 406 TRUNK RINGING ASSIGNMENT
MMC 601 ASSIGN STATION GROUP
MMC 602 STATION GROUP NAME

MMC: 601 ASSIGN STATION GROUP

DESCRIPTION:

This MMC is used to build all station groups. There are 80 programmable groups available in a OfficeServ 7400 system.

The options for setting up these groups are as follows: A through F.

A. TYPE: This is the type of group you are creating and can be one of the following:

1. **NORMAL:** Used to assign stations in a ring group. The members can be stations, common bell contacts or Ring over Page relays.

2. **VMAA:** Used to group a number of voice mail port extensions. These must have been defined in MMC 207 as VMAA ports or they cannot be entered here. Check all programming in MMC 726 to ensure that the In band DTMF codes are properly set.

3. **UCD:** Used to build a UCD group. The OfficeServ 7400 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 VMSUCD group. This will only work if a SVMi-20E card has been installed in the system.

The SVMi-20E 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.

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 the system.

3. **VMSUCD:** This is used to group a number of SVMi-20E ports to provide the UCD announcements.

4. **BI-VMS:** This is the voice mail group for the built in Samsung Voice Mail Card. When a Voice Mail Card is installed, group 529 must be programmed as a BI-VMS group on a OfficeServ 7400-M system and group 549 must be used for a OfficeServ 7400-L system. Group 529 and 549 are fixed for the voice mail card use. If the voice mail card is not installed in the system, group 529 or 549 can be used as any other group can be used.

5. **MESSAGE:** Used to group a number of extensions to serve as a message desk or message group. When one of the stations in this type of group leaves a message to another station the messaged station will return the message to the message group so any member can answer the call. If a station is a member of more than one message group, then any message indications made by that station would be for the first numerical message group they are a member of. It is not recommended to program stations in to multiple station groups.

6. **SO STN GRP:** This is used to group a number of S0 stations for video conference.

B. RING MODE: Each group can have one of the following ring modes. This will decide how calls are placed to the group.

1. **SEQUENTIAL:** The stations listed as “members” (see below) will be called on a first available basis. Calls will first go to the first member, if the first member is busy, calls will go to the second member, if the second member is busy, calls will go to the third member etc. This type of group is useful for

placing the bulk of the incoming calls to a selected individual, with other members only getting the calls when the first member is busy. The number of members allowed for a sequential group is 48.

2. **DISTRIBUTED:** The first call will go to the first member, the second call will go to the second member, the third call will go to the third member. This type of group is useful for evenly distributing the call among all group members. The number of members allowed for a distributed group is 99.

3. **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 VMSUCD or VMAA groups.

C. 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.

D. NEXT PORT: This is the station or group number that callers will also ring at if the OVERFLOW feature has been programmed. The OVERFLOW DESTINATION can be defined as:

1. **COMMON BELL** There are 3 relays available in the OfficeServ 7400 system that are defined as Common Bell.
2. **RING OVER PAGE** This is defined by using the number of a page audio output.
3. **STATION OR STATION GROUP.** Any station or station group can be defined as the NEXT port.

E. GRP TRANSFER: This is a timer that will determine how long C.O. calls transferred to the group will ring at the group before recalling. If set to 000, no recall will take place.

F. MEMBER: List all members that are to be in the group. Up to 48 members are allowed in each group, but stations can be assigned to multiple station groups.

G. NXT HUNT: The length of time a call will ring at a station before it hunts to the next group member.

H. GROUP BUSY: OFF When this option is set to ON an intercom caller will receive a busy signal when calling the group and all members of the group are busy. When this occurs then the overflow timer is bypassed as the group is not ringing.

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

I. **GRP AUTOANS: OFF** When this option is set to ON, intercom calls to the group will Auto Answer/Voice Announce if the station is programmed for Auto Answer/Voice Announce in MMC 103. CO calls will follow the AUTO ANS CO setting in MMC 110 for a group member in addition to the group members setting in MMC 103.

FEATURE KEYS

0	TYPE	Group type (Normal, VM/AA, UCD, VMUCD, BI-VMS, MESSAGE, SO STN)
1	RING	Ring mode (Sequential, Distributed or Unconditional)
2	OVERFLOW	Overflow time (000 - 250 secs.)
3	GRP TRSF	Group transfer time (000 - 250 secs.)
4	NEXT PORT	Group or station number (e.g. group 502, station 221, 244)
5	MEMBER	Group members (e.g., station 202, 225, 231)
6	NXT HUNT	Hunt time (000 – 250 secs)

RING MODES

0	SEQUENTIAL	The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.
1	DISTRIBUTED	The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.
2	UNCONDITIONAL	All the stations listed in the group will ring. Busy stations will receive off-hook ring. MAXIMUM 32 STATIONS RINGING.

PROGRAM KEYS

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

MMC: 601

ACTION	DISPLAY
1. Press TRANSFER 601. Display shows.	[501] STN.GROUP TYPE:NORMAL GRP
2. Dial group number (e.g., 505) OR Press UP or DOWN key to select group Press LEFT soft key to move cursor to type of group and DIAL group type (0–2, e.g., 1) OR Press UP or DOWN key to make selection. Press LEFT soft key to move cursor to TYPE.	[505] STN.GROUP TYPE:NORMAL GRP [505] STN GROUP TYPE:VMAA
3. Dial feature option number (0–6, e.g., 0) OR Press UP or DOWN key to scroll options and press RIGHT soft key to move cursor.	[505] STN GROUP RING:SEQENTIAL
4. Dial ring option (0–2, e.g., 1) OR Press UP or DOWN key to make selection. Press LEFT soft key to move cursor back to RING or press RIGHT soft key to return to step 2.	[505] STN GROUP RING:DISTRIBUTE
5. Dial next feature option and continue OR Press UP or DOWN key to select option and press RIGHT soft key OR Press LEFT soft key to return to step 2.	[505] STN GROUP RING:DISTRIBUTE
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NORMAL GROUP**

RELATED ITEMS: MMC 103 SET ANSWER MODE
MMC 110 STATION ON/OFF
MMC 203 ASSIGN UA DEVICE
MMC 204 COMMON/LOUD BELL CONTROL

MMC: 602 STATION GROUP NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

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

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

MMC: 602

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 602. Display shows.	**[500] SGR NAME**
2. Dial group number (e.g., 505) OR Press UP or DOWN key to make selection and press LEFT or RIGHT soft key to move cursor.	**[505] SGR NAME**
3. Enter in name using above method and table.	**[505] SGR NAME** **TELECOMS**

MMC: 602

4. Press LEFT or RIGHT soft key to return to step 2
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 104 STATION NAME
MMC 404 TRUNK NAME
MMC 600 ASSIGN OPERATOR GROUP
MMC 601 ASSIGN STATION GROUP

MMC: 603 ASSIGN TRUNK GROUP

DESCRIPTION:

Allows the assignment of trunks to a specific trunk group or to several trunk groups. This is very useful in the programming of LCR when more than one trunk is to be in several dialing plans. There are two different modes of operation: (1) sequential and (2) distribute. There are 30 programmable trunk groups in a system with up to 99 members per group.

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 603. Display shows.	`[9] TRK GROUP` `MODE:SEQUENTIAL`
2. Enter in valid trunk group (e.g., 9, 800-848) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	`[801] TRK GROUP` `MODE:SEQUENTIAL`
3. Press RIGHT soft key to change mode OR Press UP or DOWN key to change mode to member.	`[801] TRK GROUP` `MEMBER 01:NONE`

MMC: 603

4. Press RIGHT soft key to move cursor to number of member and enter valid member number (1-99, e.g., 05) via dial keypad
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.

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

5. Enter valid trunk number (e.g., 729)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.

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

6. Repeat steps 1-5 to remove trunk from group 9 if necessary.

7. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: ALL TRUNKS ARE IN TRUNK GROUP 9

RELATED ITEMS: LCR PROGRAMMING

MMC: 604 ASSIGN INTERNAL PAGE ZONES

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 604. Display shows.	**INT.PAGE ZONE(1)** **MEMBER 01:NONE**
2. Enter the page zone number (0-4, ✱, e.g., 3) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 01:NONE**
3. Enter index number (01–99, e.g., 05) via dial keypad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 05:NONE**
4. Enter station number (e.g., 205) via dial keypad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 05:205**

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NO STATIONS ASSIGNED

RELATED ITEMS: NONE

MMC: 605 ASSIGN EXTERNAL PAGE ZONE

DESCRIPTION:

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

NOTE: The system must be equipped with a MIS daughter-board to allow external paging. Even though there are 4 external paging zones available (zone 5 ~ 8) only two can be used at one time.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 605. Display shows first page zone.	**EXT. PAGE ZONE:(5)** **MEMBER 1:3601**
2. Dial page zone number (e.g., 6) OR Use UP or DOWN to select desired page zone numbers and press RIGHT soft key to move the cursor.	**EXT. PAGE ZONE:(6)** **MEMBER 1:NONE**
3. Dial member number (e.g., 3) OR Use UP or DOWN to select member numbers and press RIGHT soft key to move the cursor OR Press LEFT soft key to return to step 2 above.	**EXT. PAGE ZONE:(6)** **MEMBER 3:**
4. Dial relay number via dial keypad (e.g., 3602)	**EXT. PAGE ZONE:(6)** **MEMBER 3:3602**

and press RIGHT soft key to return to step 2
OR
Press LEFT soft key to return to step 3 above.

5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 606 ASSIGN SPEED BLOCK

DESCRIPTION:

Provides a means of adding or deleting speed dial blocks to the system or an individual keyset. With the ability to delete a block or blocks or speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or stations that do not require the ability to use speed dial. The Free List will show how many bins are left to be assigned. All entries refer to blocks of 10 numbers or bins.

A library of up to 2000 speed dial numbers may be allocated as needed on a OfficeServ 7400 system. These total library of numbers is split between the System Speed Dial list with the balance being shared between stations. The system list can be set for either 500 or 950 numbers using MMC 861. Each station can have up to 50 numbers. Speed dial numbers are assigned in blocks of ten. Each speed number may contain up to 24 digits.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRANSFER	Used to exit programming

ACTION	DISPLAY
1. Press TRANSFER 606. Display shows. This indicates 20 blocks of 10 (200 numbers) are available in the free list and 20 blocks of 10 (200 numbers) are assigned to the system speed dial list.	**FREE LIST:20** **SYSTEM:20**
2. Press RIGHT soft key to advance to next line.	**FREE LIST:20** **SYSTEM:20**
3. Make a selection of SYSTEM or EXT using UP or DOWN key. Press RIGHT soft key to advance cursor.	**FREE LIST:20** **EXT201:1**

MMC: 606

4. Enter desired extension number via dial keypad (e.g., 205)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.

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

5. Enter valid number for bins (e.g., 0–5 for EXT or 00–50 for SYSTEM)
   OR
   Press UP or DOWN key to make selection
   OR
   Press HOLD key to delete bin(s).

```
BUSY LIST:60
EXT205:5
```

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **SYSTEM: 200 ENTRIES**
STATIONS: NO BLOCKS ASSIGNED

RELATED ITEMS:
MMC 105 STATION SPEED DIAL
MMC 106 STATION SPD NAME
MMC 705 ASSIGN SYSTEM SPEED DIAL
MMC 706 SYSTEM SPEED DIAL BY NAME
MMC 861 SYSTEM OPTION

MMC: 607 UCD OPTIONS

DESCRIPTION:

Sets up UCD options when a SVMi-20E card has been installed. MMC 601 must have already been used to define a UCD group with an overflow destination of VMSUCD port or group. (A group is preferred over a port because a group allows multiple paths into the SVMi-20E card and therefore has greater traffic handling capabilities.) When a group overflow timer in MMC 601 expires, the caller will be routed to the SVMi-20E card It is here that the caller is played the UCD "FIRST MESSAGE" and "SECOND MESSAGE" while in queue. This will continue until an agent becomes free or the caller is transferred to a final destination.

This MMC includes options to select messages to play to a caller. These messages can be as follows:

MESSAGES 1000–9999

These messages can be recorded on the SVMi-20E. Please refer to the SVMi-20E manual for instructions on Prompt Recording.

These are the default pre-programmed messages:

5061: "I'm sorry, all stations are presently busy"
5062: "I'm sorry, all stations are still busy"

The following program options apply:

FIRST MESSAGE

After the caller has overflowed from the UCD group, the first message will immediately play. For instructions on how to make these recordings, please refer to the SVMi-20E manual. The default message is #5061 "I'm sorry, all stations are presently busy."

This message will only be played once for the caller.

SECOND MESSAGE

If no agent has become free after the UCD recall time (see UCD Recall), the caller will be played the second message. For instructions on how to make these recordings, see the SVMi-20E Administrator User Guide Section. The default message is #5062 "I'm sorry, all stations are still busy."

This message will be repeated for as long as the caller is in queue, at an interval specified in the UCD Recall Timer below.

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.

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. The default is 99.

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 any station number (in a network), any group number (within a network) or a disconnect. A disconnect is entered as a destination of NONE (HOLD key).

1. If the final destination is a voice mail port, the port will receive a FWD from UCD group integration message.
2. 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.
3. If the final destination is not forwarded, the call will ring or camp on to the final destination indefinitely.
4. The default final destination is 500.

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.)

MMC: 607

RING NEXT

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. The default is 010.

UCD RECALL

After a caller has heard a UCD announcement, he/she will be placed on hold until an agent becomes available or the UCD recall timer expires. When the UCD recall timer expires, the caller will again hear the UCD announcement. The range is 000–250. The default is 010.

MUSIC ON HOLD SOURCE

This option determines what Music on Hold source the callers will be connected to between messages. The choice is either an external source, tone, none or a message site in SVM.

WRAP UP

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.

AUTO LOG OUT

This ON/OFF 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. This option is set to ON by default.

ALLOUT→FINAL

This ON/OFF 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. This option is set to ON by default.

AGENT PIN NO

If an agent wants to enter a UCD group, specifies whether an agent code for UCD will be pressed.

MMC: 607

GBUSY NEXT

This ON/OFF option specifies if all agents are busy, specifies whether the next port is called immediately during overflow time.

ACTION	DISPLAY
1. Press TRANSFER 607. Display shows.	[530] UCD GROUP FIRST MSG :61
2. Press UP or DOWN to select UCD group or dial group number OR Press LEFT soft key to position cursor under message number and enter new message OR Press RIGHT soft key and advance to next option using the UP and DOWN keys to select an option.	[542] SALES FIRST MSG :61 [530] UCD GROUP FIRST MSG :25 [530] UCD GROUP UCD RECALL:010 SEC
3. Press RIGHT soft key and advance to next option Use the UP and DOWN keys to make a selection or make a selection using the dial pad.	[530] UCD GROUP UCD RECALL:010 SEC
4. Press the LEFT soft key to ENTER the selection and to return to step 1 OR Press the RIGHT soft key to return to step 3. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	[530] UCD GROUP EXIT CODE :NONE

DEFAULT DATA: SEE ABOVE

RELATED ITEMS: MMC 601 ASSIGN STATION GROUP

MMC: 608 ASSIGN REVIEW BLOCK

DESCRIPTION:

Provides means of adding or deleting CID / ANI review blocks to an individual keyset. With the ability to delete a block or blocks or speed dial, it will not be necessary to waste these on such items as voice mail, DPIMs or for keysets that do not have displays. The free list will show how many bins are left to be assigned. A system has 2500 total bins. Each keyset may be assigned a maximum of 50 bins.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION	DISPLAY
1. Press TRANSFER 608. Display shows first station.	[201] REVW BLOCK NONE: 1500 FREE
2. Enter desired EXT number (e.g. 205) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	[205] REVW BLOCK NONE: 1500 FREE
3. Enter valid number for bins (e.g. 5) OR Press UP or DOWN key to make selection OR Press HOLD key to delete bin(s).	[205] REVW BLOCK 50 : 1450 FREE
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: STATIONS: NONE

RELATED ITEMS: NONE

MMC: 609 CALL LOG BLOCK

DESCRIPTION:

Provides means of adding or deleting Call LOG blocks to an individual keyset. With the ability to delete a block or blocks, it will not be necessary to waste these on such items as voice mail, DPIMs or for keysets that do not have displays. The free list will show how many bins are left that be assigned. A system has 2500 bins.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION	DISPLAY
1. Press TRANSFER 609. Display shows first station.	[201] LOG BLOCK NONE: 2500 FREE
2. Enter desired EXT number (e.g. 205) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	[205] LOG BLOCK NONE: 2500 FREE
3. Enter valid number for bins (e.g. 5) OR Press UP or DOWN key to make selection OR Press HOLD key to delete bin(s).	[205] LOG BLOCK 50 : 1450 FREE
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: STATIONS: NONE

RELATED ITEMS: NONE

MMC: 611 ALLOW TEXT MESSAGING

DESCRIPTION:

This program allows the user to send a text message to a busy station or during an OHVA. Up to 100 stations can be set to use this feature. Each user is assigned a block of ten messages to program individually.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRSF	To exit programming

ACTION	DISPLAY
1. Press TRANSFER 611. Display shows.	`[201] TMSG STN` `NOT USED:100 FREE`
2. Enter the number of a station OR Press VOLUME to select the number of a station. Press RIGHT soft button to move the cursor.	`[202] TMSG STN` `NOT USED:100 FREE`
3. Specify whether text message will be used or not. A message, “NOT USED: CAN’T” will be displayed on LCD if the Maximum number of stations is exceeded.	`[202] TMSG STN` `USED`
4. Press TRANSFER to exit the program. OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: **ITP-5112L sets are automatically set to USED**

RELATED ITEMS: MMC 117 TEXT MESSAGE

MMC: 612 ALLOW GROUP CONFERENCE

DESCRIPTION:

This program allows an ITP5112L keyset or OfficeServ Softphone user to use the Group conference call feature. Up to 100 stations can be allowed in the system. Each user can have up to 5 pre-programmed conferences of up to four other members plus their own station.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION	DISPLAY
1. Press TRANSFER 612. Display shows.	`[201] CONF STN` `NOT USED:100 FREE`
2. Enter the number of a station OR Press VOLUME to select the number of a station. Press RIGHT soft button to move the cursor.	`[202] CONF STN` `NOT USED :100 FREE`
3. Specify whether a group conference can be used or not. A message, “NOT USED” ”will be displayed on LCD if the maximum number of the station used for a simultaneous conference call is exceeded.	`[205] CONF STN` `USED`
4. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: **ITP5112L sets are automatically set for USED**

RELATED ITEMS: MMC 118 CONFERENCE GROUP

MMC: 614 SET A STATION/C.O. LINE CALL GROUP

DESCRIPTION:

This program is used to define on build “USE” groups to restrict calling. You can assign stations to a specific STATION USE GROUP and trunks to a specific TRUNK USE GROUP.

Definable USE GROUPS:

STATION USE GROUPS = 001 to 300
TRUNK USE GROUPS = 301 to 500

Example of how to use: Initially all stations can call all other stations because they are all in Station Use Group 001. Put stations 225 to 250 in Station Use Group 002 then go to MMC 314 and restrict 001 from using or calling 002.

Now put trunks 711 to 720 in Trunk Use Group 302 then go to MMC 304 and set ANS:NO and DIAL:NO for Station Use Group 001.

You have now restricted station 201-224 (001) from using trunks 711-720 (301). Stations 201-224 (001) can not call station 225-250 (002).

Note: Station Use Groups and Trunk Use Groups must be in the same Tenant Group, either 1 or 2.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear entry
TRANSFER	To exit programming

ACTION	DISPLAY
1. Press TRANSFER 614. Display shows first station.	`STATION GROUP` `2001:001`

MMC: 614

2. Enter [0] if the user wants to set a call group to a station. Enter [1] if the user wants to set a call group to a C.O. line.
   OR
   Press VOLUME to select a desired item.
   Press the RIGHT soft button to move the cursor.

```
TRUNK GROUP
7001:301
```

3. Enter a number the user wants
   OR
   Press VOLUME to select a number.
   Press the RIGHT soft button to save the data.

```
TRUNK GROUP
7002:301
```

4. Enter the number of the call group the user wants to set.
   OR
   Press VOLUME to select the number of the call group the user wants to set.
   Press the RIGHT soft button to save the data.

```
TRUNK GROUP
7002:302
```

5. Press TRANSFER to exit the program
   OR
   Press SPEAKER to move on to the next program.

DEFAULT DATA: **ALL STATIONS ARE IN STATION USE GROUP 001**
ALL TRUNKS ARE IN TRUNK USE GROUP 301

RELATED ITEMS: **MMC 304 STATION TRUNK USE**
MMC 314 STATION – STATION USE

MMC: 615 MGI GROUP

DESCRIPTION:

This optional program sets designated MGI ports for specific services. This allows "grading" of MGI card(s) for traffic conditions. The MGI ports can be segregated into groups. Keep in mind that any entries made here can be ineffective, if conflicting entries exist in MMC616.

- **LOCAL ITP:** This determines what MGI ports can be used with ITP keyphones across a private IP network
- **PUB IP ITP:** This determines what MGI ports can be used with ITP keyphones on a public IP network.
- **VOIP NTWK:** This determines what MGI ports can be used for enhanced proprietary Samsung VoIP networking between OfficeServ 7400, OfficeServ 7200, OfficeServ 500 and the OfficeServ 100 systems across a private IP network.
- **PUB IP NTWK:** This determines what MGI ports can be used for enhanced proprietary Samsung VoIP networking between OfficeServ 7400, OfficeServ 7200, OfficeServ 500 and OfficeServ 100 systems on a public IP network
- **VOIP TRUNK:** This determines what MGI ports can be used as industry-standard H.323 VoIP trunks for communications across a private network
- **PUB IP TRK:** This determines what MGI ports can be used as industry-standard H.323 VoIP trunks for communications on a public network
- **PUB IP MGI3:** This determines what MGI ports can be used for T.38 facsimile communications on a public network.
- **ITP PAGED:** This determines which trunk members can be used for ITP internal station page.

The MGI ports can be regarded as trunks and allow two selection modes: Sequential or Distributed.

The members of each selection are the actual ports on the MGI card(s)

MMC: 615

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 615. Display shows the first available option. Press UP or DOWN key to select an option OR Press the RIGHT softkey to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor.	USER: LOCAL ITP MODE:DISTRIBUTED
Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor to return to Step 1. OR	USER: PUB IP ITP MODE:SEQUENTIAL
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **ALL PORT ALLOWED**

RELATED ITEMS:

MMC 615: MGI GROUP
MMC 616: MGI USER
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS

MMC: 616 MGI USER

DESCRIPTION:

This optional program selects which specific MGI ports will be dedicated on a per-port basis for IP station/trunk devices. If this MMC is not utilized, allocation of MGI ports will be controlled by MMC 615. By defining dedicated MGI port usage, the IP station/trunk selected will always use the port programmed. MGI ports can be assigned private and public ITP stations (32XX), VoIP Networking trunks (83XX), H.323 trunks (84XX) and SIP trunks (85XX). Only one assignment per MGI port is permitted. Any entries made here will override entries made in MMC 615.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 616. Display shows the first available option. Press UP or DOWN key to select an MGI port OR Press the RIGHT soft key to move cursor.	**(3801) MGI USER NONE**
2. Press UP or DOWN key to select an option OR Press RIGHT soft key to move cursor	**(3801) MGI USER NONE**
3. Press UP or DOWN key to select an option or use the dial pad to input a station or IP trunk number and press RIGHT soft key to enter data and move cursor to the Step 1 position.	**(3801) MGI USER 278**
4. Press UP or DOWN key to select a different MGI port OR press RIGHT soft key to move cursor.	**(3802) MGI USER NONE**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 616

DEFAULT DATA: NONE

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS

MMC: 700 COPY COS CONTENTS

DESCRIPTION:

This MMC allows the technician to duplicate a class of service to make it easier to have multiple similar classes of service.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
"F" KEY	Used to advance to MMC 701

ACTION	DISPLAY
1. Press TRANSFER 700. Display shows.	**COPY COS ITEMS** **COS 01→COS 01**
2. Dial selected COS to copy (e.g., 05) OR Press UP or DOWN key to select COS and press RIGHT soft key to move cursor and advance to next step.	**COPY COS ITEMS** **COS 05→COS 01**
3. Dial target COS (e.g., 06) OR Press UP or DOWN key to select COS and press RIGHT soft key to move cursor back to step 2.	**COPY COS ITEMS** **COS 05→COS 06**
4. Press F key to advance to MMC 701 and press RIGHT soft to advance cursor.	**COS CONTENTS(06)** **TOLL LEVEL:A**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS

MMC: 701 ASSIGN COS CONTENTS

DESCRIPTION:

Similar to MMC 700 but does not allow a copy command. This MMC is primarily used for creating a new class of service. There are 30 classes of service available.

NOTE: This MMC is divided into 4 categories. The categories are USABLE FEATURES, CALL STATION GROUPS, CALL TRUNK GROUPS, CALL TO BIVMS STN (SVM).

PROGRAM KEYS

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

TOLL LEVEL OPTIONS

DIAL DIGIT	TOLL LEVEL	DIAL DIGIT	TOLL LEVEL
0	A	4	E
1	B	5	F
2	C	6	G
3	D	7	H

ACTION	DISPLAY
1. Press TRANSFER 701. Display shows.	**COS CONTENTS(01)** **TOLL LEVEL:A**
2. Dial COS (e.g., 06) OR Press UP or DOWN key to select COS. Press RIGHT soft key to move cursor to toll level.	**COS CONTENTS(06)** **TOLL LEVEL:A**
3. Dial toll level (e.g., 2—see above list) OR Press UP or DOWN to select new TOLL level OR Press RIGHT soft key to advance to COS options.	**COS CONTENTS(06)** **TOLL LEVEL:C**

4. Dial COS option (e.g., 09—DALM CLR)
   OR
   Press UP or DOWN key to select option.
   Press RIGHT soft key to move cursor.

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

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

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

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

Table A. COS Feature List by Option Number

USABLE FEATURE

Item #	LCD Display	COS Option
00	AA CALER	Auto answer control by caller*
02	ALM CLR	Alarm Clear
03	AUTO RDL	Retry on busy
04	CALLBACK	Callback
05	CID ABND	Caller ID Abandon*
06	CID INQR	Caller ID Inquire*
07	CID INVT	Caller ID Investigate*
08	CONFER	Conference
09	DALM CLR	DISA alarm ring clear
10	DIRECT	Directory dial
11	DISA	Allow DISA use
12	DND	Do Not Disturb
13	DND FWRD	Forward Do Not Disturb
14	DND OVRD	Do Not Disturb override
15	DOOR	Door ring answer
16	DSS	Direct station select
17	DTS	Direct trunk select
18	NOT USED	
19	EXT FWD	External call forward
20	FEATURE	Feature key
21	FLASH	Trunk flash
22	FOLLOW-ME	Call forward-follow me
23	FORWARD	Call forwarding

Table A. COS Feature List by Option Number

USABLE FEATURE

Item #	LCD Display	COS Option
24	NOT USED	
25	GRP/IO	Group in/out
26	HOLD	Hold
27	HOTLINE	Hot line
28	INTERCOM	Intercom call
30	MESSAGE	Message
31	MM PAGE	Meet me page
32	NEW CALL	New call
33	OHVAED	Ohvaed
34	OHVAING	Ohvaing
35	ONEA2	1A2 emulation
36	OPERATOR	Operator
37	OUT TRSF	Outgoing transfer
38	OVERRIDE	Override
39	PAGE 0	Page zone 0 PAGING
40	PAGE 1	Page zone 1 PAGING
41	PAGE 2	Page zone 2 PAGING
42	PAGE 3	Page zone 3 PAGING
43	PAGE 4	Page zone 4 PAGING
44	PAGE 5	Page zone 5 PAGING
45	PAGE 6	Page zone 6 PAGING
46	PAGE 7	Page zone 7 PAGING
47	PAGE 8	Page zone 8 PAGING
48	PAGE 9	Page zone 9 PAGING
49	PAGE ✱	Page zone ✱ PAGING
50	NOT USED	
51	PICKUP	Call Pickup
52	PRB	Privacy Release Bridge
53	REM . HOLD	Remote Hold
54	RNG PLAN	Ring Plan
55	SECURE	Override Secure
56	SET RLOC	Set Relocation
57	SSPD TOL	System Speed Dial Toll Check
58	STN LOCK	Station Locking
59	SYS SPD	System Speed Dial
60	NOT USED	
61	TRK EHLD	Trunk Exclusive Hold
62	TRSF RCV.	
63	UNCO CNF	Conference
64	VM AREC	Auto Record
65	VM AME	Answer Machine Emulator

MMC: 701

Table A. COS Feature List by Option Number

USABLE FEATURE

Item #	LCD Display	COS Option
66	VM REC	Call Record

CALL STN GROUP

LCD Display	COS Option
STNGRP 01	Station group 01 calling
STNGRP 02	Station group 02 calling
STNGRP 03	Station group 03 calling
STNGRP 04	Station group 04 calling
STNGRP 05	Station group 05 calling
STNGRP 06	Station group 06 calling
STNGRP 07	Station group 07 calling
STNGRP 08	Station group 08 calling
STNGRP 09	Station group 09 calling
STNGRP 10	Station group 10 calling
STNGRP 11	Station group 11 calling
STNGRP 12	Station group 12 calling
STNGRP 13	Station group 13 calling
STNGRP 14	Station group 14 calling
STNGRP 15	Station group 15 calling
STNGRP 16	Station group 16 calling
STNGRP 17	Station group 17 calling
STNGRP 18	Station group 18 calling
STNGRP 19	Station group 19 calling
STNGRP 20	Station group 20 calling
STNGRP 21	Station group 21 calling
STNGRP 22	Station group 22 calling
STNGRP 23	Station group 23 calling
STNGRP 24	Station group 24 calling
STNGRP 25	Station group 25 calling
STNGRP 26	Station group 26 calling
STNGRP 27	Station group 27 calling
STNGRP 28	Station group 28 calling
STNGRP 29	Station group 29 calling
STNGRP 30	Station group 30 calling
STNGRP 31	Station group 31 calling
STNGRP 32	Station group 32 calling
STNGRP 33	Station group 33 calling
STNGRP 34	Station group 34 calling
STNGRP 35	Station group 35 calling
STNGRP 36	Station group 36 calling

MMC: 701

CALL STN GROUP

LCD Display	COS Option
STNGRP 37	Station group 37 calling
STNGRP 38	Station group 38 calling
STNGRP 39	Station group 39 calling
STNGRP 40	Station group 40 calling

CALL TRK GROUP

LCD Display	COS Option
TRKGRP01	Trunk group 01 calling
TRKGRP02	Trunk group 02 calling
TRKGRP03	Trunk group 03 calling
TRKGRP04	Trunk group 04 calling
TRKGRP05	Trunk group 05 calling
TRKGRP06	Trunk group 06 calling
TRKGRP07	Trunk group 07 calling
TRKGRP08	Trunk group 08 calling
TRKGRP09	Trunk group 09 calling
TRKGRP10	Trunk group 10 calling
TRKGRP11	Trunk group 11 calling
TRKGRP12	Trunk group 12 calling
TRKGRP13	Trunk group 13 calling
TRKGRP14	Trunk group 14 calling
TRKGRP15	Trunk group 15 calling
TRKGRP16	Trunk group 16 calling
TRKGRP17	Trunk group 17 calling
TRKGRP18	Trunk group 18 calling
TRKGRP19	Trunk group 19 calling
TRKGRP20	Trunk group 20 calling
TRKGRP21	Trunk group 21 calling
TRKGRP22	Trunk group 22 calling
TRKGRP23	Trunk group 23 calling
TRKGRP24	Trunk group 24 calling
TRKGRP25	Trunk group 25 calling
TRKGRP26	Trunk group 26 calling
TRKGRP27	Trunk group 27 calling
TRKGRP28	Trunk group 28 calling
TRKGRP29	Trunk group 29 calling
TRKGRP30	Trunk group 30 calling

MMC: 701

CALL BIVMS GROUP

LCD Display	COS Option
BIVMSSTN01	SVM Port 01 calling
BIVMSSTN02	SVM Port 02 calling
BIVMSSTN03	SVM Port 03 calling
BIVMSSTN04	SVM Port 04 calling
BIVMSSTN05	SVM Port 05 calling
BIVMSSTN06	SVM Port 06 calling
BIVMSSTN07	SVM Port 07 calling
BIVMSSTN08	SVM Port 08 calling
BIVMSSTN09	SVM Port 09 calling
BIVMSSTN10	SVM Port 10 calling
BIVMSSTN11	SVM Port 11 calling
BIVMSSTN12	SVM Port 12 calling
BIVMSSTN13	SVM Port 13 calling
BIVMSSTN14	SVM Port 14 calling
BIVMSSTN15	SVM Port 15 calling
BIVMSSTN16	SVM Port 16 calling

DEFAULT DATA: **ALL VALUES YES, EXCEPT USEABLE FEATURES 14, 38, 56, 63, 64, 65**

RELATED ITEMS: **MMC 700 COPY COS CONTENTS**
MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE
SVMi-20E CARD

MMC: 702 TOLL DENY TABLE

DESCRIPTION:

Provides a way to make toll restriction (call barring) very easy and flexible. There are 500 entries 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. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as in-house only by default.

PROGRAM KEYS

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

WILD CARD KEY

DIAL	WILD CARD
A	X
B	Y
C	Z

ACTION	DISPLAY
1. Press TRANSFER 702. Display shows.	DENY(001):BCDEFG :000000
2. Dial index number 001-500 (e.g., 005) OR Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter toll pattern via dial pad (e.g., 212) OR Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.	DENY(005):BCDEFG :000000 DENY(005):BCDEFG 212 :000000 DENY(005):BCDEFG 21X :000000

MMC: 702

3. Press UP or DOWN key to move cursor along line until under toll class mark (e.g., E).
   Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1
   OR
   Press LEFT soft key to return to step 2.

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

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **ALL ENTRIES ARE SET TO 0**

RELATED ITEMS: MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS
MMC 703 TOLL ALLOWANCE TABLE
MMC 704 ASSIGN WILD CHARACTER

MMC: 703 TOLL ALLOWANCE TABLE

DESCRIPTION:

Provides a way to make toll restriction very easy and flexible. There are 500 entries in the allow table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default, and toll level H is set as in-house only by default.

PROGRAM KEYS

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

WILD CARD KEY

DIAL	WILD CARD
A	X
B	Y
C	Z

ACTION	DISPLAY
1. Press TRANSFER 703. Display shows.	ALOW(001):BCDEFG :000000
2. Dial in index number 001-500 (e.g., 005) OR Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter toll pattern via dial pad (e.g., 212) OR Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.	ALOW(005):BCDEFG :000000 ALOW(005):BCDEFG 212 :000000 ALOW(005):BCDEFG 21X :000000

MMC: 703

3. Press UP or DOWN key to move cursor along line until under toll class mark (e.g., E).
   Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1
   OR
   Press LEFT soft key to return to step 2.

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

4. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: ALL ENTRIES ARE SET TO 0

RELATED ITEMS:
- MMC 301 ASSIGN STATION COS
- MMC 701 ASSIGN COS CONTENTS
- MMC 702 TOLL DENY TABLE
- MMC 704 ASSIGN WILD CHARACTER

MMC: 704 ASSIGN WILD CHARACTER

DESCRIPTION:

Provides flexibility to toll restriction (call barring) when a specific numbering plan is so desired. There are only three entry tables but more than one digit can be assigned per table if needed.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 704. Display shows.	:0123456789✱# X:000000000000
2. Press UP or DOWN key to select X, Y, or Z (e.g., Z) and press RIGHT soft key to advance cursor to option line.	:0123456789✱# Z:000000000000
3. Press UP or DOWN key to move cursor to option digit desired (e.g., 5) and enter 1 (put under other digits as required). Press LEFT soft key to return to step 2 OR Press RIGHT soft key to return to step 1.	:0123456789✱# Z:000001000000
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **ALL ENTRIES SET TO 0**

RELATED ITEMS: MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE

MMC: 705 ASSIGN SYSTEM SPEED DIAL

DESCRIPTION:

Enables the assignment of system speed dialling numbers. There are up to 500 entries available for programming (see MMC 606) if SYSTEM SPEED DIAL MAX = 500 in MMC 861 or 950 available if SYSTEM SPEED DIAL MAX = 950 in MMC 861. Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialled. These dialled digits may consist of 0-9, ✱ and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
B	Used to insert a flash code "F"
C	Used to insert a pause code "P"
D	Used to insert a pulse/tone conversion code "C"
E	Used to mask/unmask following digits - shows as "[" or "]"
F	Used to enter name for speed dial bin (see MMC 706)

ACTION	DISPLAY
1. Press TRANSFER 705. Display shows.	**SYS SPEED DIAL** **500:**
2. Dial speed index desired (e.g., 505) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**SYS SPEED DIAL** **505:**
3. Enter access code (e.g., 9/701) plus the phone number up to 24 digits (digits will scroll under) and press RIGHT soft key to return to step 2.	**SYS SPEED DIAL** **505:9-121223456789**
4. Press F key to toggle to MMC 706 step 3 to enter name.	**SYS SPEED NAME** **505:**

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 606 ASSIGN SPEED BLOCK
MMC 706 SYSTEM SPEED DIAL BY NAME
MMC 861 SYSTEM OPTIONS

MMC: 706 SYSTEM SPEED DIAL BY NAME

DESCRIPTION:

Allows an 11-character name to be entered for each system speed dial location. This name enables the speed dial number to be located when using the directory dial feature. The directory dial feature allows the display keyset user to select a speed dial location by scanning its name.

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

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

- **DCS KEYSETS**

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

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

MMC: 706

• iDCS, DS and ITP KEYSETS

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

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. The # button can be used for the following special characters: #, space, &, !, : , ?, ., ,, %, $, -, <, >, /, = , [,], @, ^ , (,), _, +, {, }, |, ; , ", →, ', \.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 706. Display shows.	SYS SPEED NAME 500:
2. Dial system speed entry number (e.g., 505) OR Press UP or DOWN to select entry number and press RIGHT soft key to move cursor.	SYS SPEED NAME 505:

MMC: 706

3. Enter name using dial keypad and above table and press RIGHT soft key to return to step 2
   OR
   Press the F key to toggle to speed dial number to return to MMC 705, step 5.

```
SYS SPEED NAME
505:TELECOMS
```

```
SYS SPEED DIAL
505:
```

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

DEFAULT DATA: **NO NAMES**

RELATED ITEMS: MMC 606 ASSIGN SPEED BLOCK
MMC 705 ASSIGN SYSTEM SPEED DIAL

MMC: 707 AUTHORIZATION CODE

DESCRIPTION:

Enables the authorization feature on a per-class of service selection. There are 500 available entries. Authorization codes can be 4 to 10 digits. Authorization codes are also used as Staff ID Codes in Hotel/Motel applications.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 707. Display shows.	AUTHOR.CODE (001) C:01
2. Dial code index number 1-500 (e.g., 005) OR Press UP or DOWN key to selected index number and press RIGHT soft key 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 key to move cursor.	AUTHOR.CODE (005) 1234567890
4. Enter class of service number 01-30 (e.g., 05) OR Press UP or DOWN key to select COS and press RIGHT soft key to select and return to step 2.	AUTHOR.CODE (005) C:05

MMC: 707

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 305 ASSIGN FORCED CODE

MMC: 708 ACCOUNT CODE

DESCRIPTION:

Enables the account code entry feature. There are 999 available entries for a system. Account codes can be 1 to 12 digits.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 708. Display shows.	**ACCOUNT CODE** **001:**
2. Dial code index number 1-999 (e.g., 005) OR Press UP or DOWN key to selected index number and press RIGHT soft key to move cursor.	**ACCOUNT CODE** **005:**
3. Enter account code (maximum 12 digits) via dial keypad (e.g., 1234) and press RIGHT soft key to move cursor back to step 2.	**ACCOUNT CODE** **005:123456789012**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 305 ASSIGN FORCED CODE

MMC: 709 TOLL PASS CODE / SPECIAL CODE TABLE

DESCRIPTION:

This MMC provides a means to program three trunk code tables as described below.

PBX ACCESS CODE: This table contains up to five entries and is used to identify the trunk access codes needed for toll restriction to be properly applied when the system is used either behind a PBX or with CENTREX-supplied dial tone. Toll restriction will only be applied on trunks flagged as PBX in MMC 401 if a trunk access code entered in this table is dialed. Toll restriction will be applied to the digits following the trunk access code.

SPECIAL CODE: This table identifies to the system dialling rules the special feature codes used to activate central office custom calling features such as CID Block and call waiting disable. The special feature codes can be used on a per call basis without affecting LCR or toll restriction programming. There is a maximum of ten (10) entries available each of which may be up to four digits long. The four dialing rules that apply to the Special Code Table are as follows:

Rule 1. Toll restriction is only applied to digits following the entries in the Special Code Table. This eliminates toll restriction bypass with second dial tone central office features such as CID block (✱67).

Rule 2. LCR will only route calls based on the digits following the entries in the Special Code Table. This rule allows end user per call special code activation.

Rule 3. LCR modify digits tables will only delete digits following the Special Code Table entries. This allows central office features such as CID block to be used when LCR deletes digits. Can be used in Foreign Exchange (FX) routing by removing the 1+ area code..

Rule 4. LCR modify digits tables will only insert digits after the Special Code Table entries (MMC 718). This allows for central office features such as call waiting block to be activated but route the call with a specific PIC code such as 10288 (AT&T).

Example of Rule 4: User dials ✱67 1 305 529 2900, the system will seize a C.O. line and dial ✱67 10288 1 305 529 2900.

MMC: 709

TOLL OVERRIDE: This table of eight entries is used to identify to the system 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.

OVRD USE TRK GRP: This entry designates the trunk group that override calls will access.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 709. Display shows.	**PBX ACCESS CODE** **1:**
2. Select PBX , SPECIAL CODE or TOLL OVERRIDE) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**TOLL OVERRIDE.** **1:**
2. Enter index number (e.g., 3) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**TOLL OVERRIDE.** **3:_**
3. Enter via dial keypad the desired access/feature code (e.g., 911). Press RIGHT soft key to enter and return to step 2 and enter more entries.	**TOLL OVERRIDE.** **3:911**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 709

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 401 PBX TRUNK
MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE
MMC 305 FORCED CODES

MMC: 710 LCR DIGIT TABLE

DESCRIPTION:

The LCR DIGIT TABLE contains all numerical digits for the completion of outgoing call placement. This table works in conjunction with LCR ROUTE TABLE, LCR TIME TABLE and LCR MODIFY DIGITS TABLE. There is a maximum of 2000 entries for a system with a digit string length of 10 numerical digits. This system automatically maintains entered digit strings in numerical order. The characters ✱ and # are also accepted for use with feature codes.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 710. Display shows.	**LCR DIGIT (0001)** **DIGIT:**
2. Dial LCR entry (e.g., 0005) OR Press UP or DOWN to select entry and press RIGHT soft key to move cursor.	**LCR DIGIT (0005)** **DIGIT: _**
3. Enter LCR digit string via the dial keypad and press RIGHT soft key OR Press LEFT soft key to return to step 1.	**LCR DIGIT (0005)** **DIGIT:305426**
4. Enter digit length (01-31). Cursor will move to RT (route selection). Enter RT (1-32) OR Press LEFT soft key to return to length value. Valid entry will return you to step 1.	**LCR DIGIT (0005)** **LENGTH:10 RT:01**

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 712 LCR ROUTE TABLE

MMC: 711 LCR TIME TABLE

DESCRIPTION:

This table gives the flexibility to the system, through the LCR ROUTES, to allow calls placed at any given time of day to use the least cost trunk route that is available. When LCR ROUTE ADVANCE is allowed, it is possible for calls to be placed on more expensive trunks on any given time of day. There are four possible time entries per day; the start time of the next time period is the end time of the previous time period.

PROGRAM KEYS

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

FEATURE KEYS

DAY	VALUE
SUN	0
MON	1
TUE	2
WED	3
THU	4
FRI	5
SAT	6

TIME	BAND
A	0
B	1
C	2
D	3

LCRT	
LCRRT	1
LCRRT	2
LCRRT	3
LCRRT	4

ACTION

1. Press TRANSFER 711.
   Display shows.

2. Dial day of week (SUN-SAT, e.g., WED)
   OR
   Press UP or DOWN to make day selection and press RIGHT soft key.

DISPLAY

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

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

MMC: 711

3. Dial time band (A-D, e.g., B)
   OR
   Press UP or DOWN to make selection and press RIGHT soft key.

```
LCR TIME (WED:B)
HHMM:     TIME:-
```

4. Dial time via keypad (24-hour format, e.g. 0800).
   Cursor moves to LCRT (reference MMC 712)
   Dial entry 1-4
   OR
   Press UP or DOWN to select entry and press RIGHT soft key to make entry and return to step 1
   OR
   If entry is dialled, return to step 2.

```
LCR TIME (WED:B)
HHMM:0800 LCRT:-
```

```
LCR TIME (WED:B)
HHMM:0800 LCRT:1
```

5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **HH:MM:0000 LCRT:1 for all 7 days**

RELATED ITEMS: MMC 712 LCR ROUTE TABLE

MMC: 712 LCR ROUTE TABLE

DESCRIPTION:

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 the user dials a valid digit string, the system uses the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum number 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 starts to utilise succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 712. Display shows.	**LCR ROUTE (01:1)** **C:1 G:NONE M:---**
2. Dial LCR ROUTE index number 1-32 (e.g., 05) OR Press UP or DOWN to selected index and press RIGHT soft key 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 UP or DOWN to selected index and press RIGHT soft key to move cursor.	**LCR ROUTE (05:2)** **C:1 G:NONE M:---**
4. Dial LCR COS number 1-8 (e.g., 4) OR Press UP or DOWN to selected COS and press RIGHT soft key to move cursor.	**LCR ROUTE (05:2)** **C:4 G:NONE M:---**

MMC: 712

5. Dial TRUNK GROUP access code 800-828 (e.g., 801)
   OR
   Press UP or DOWN to selected access code and press RIGHT soft key to move cursor.

```
LCR ROUTE (05:2)
C:4 G:801  M:---
```

6. Dial MODIFY DIGITS index number (e.g., 050)
   OR
   Press UP or DOWN to selected index number and press RIGHT soft key to move cursor
   OR
   Press RIGHT soft key to enter NO index number.

```
LCR ROUTE (05:2)
C:4 G:801  M:050
```

```
LCR ROUTE (05:2)
C:4 G:801  M:---
```

7. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 310 LCR CLASS OF SERVICE
MMC 710 LCR DIGIT TABLE
MMC 711 LCR TIME TABLE
MMC 713 LCR MODIFY DIGIT TABLE

MMC: 713 LCR MODIFY DIGIT TABLE

DESCRIPTION:

This program entry is also referred to as Outdial Rules. This will give the system the ability to add or delete a digit string or singular digit if needed to complete a call. A perfect example is the adding of a digit "1." An advantage is to insert a common carrier network access code of 1010288 (ATT®). With these digits inserted, a long distance call will be placed over a local line utilizing the common carrier network. The characters ✱ and # can also be entered. There are 200 modify digit entries available.

OPTION	MAXIMUM NUMBER OF DIGIT ENTRIES
Number of digits to delete	15
Insert (before dialing string)	14
Append (after dialing string)	14

DIGIT STRING KEY
Insert String + Digit String (delete) + Append String

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 713. Display shows.	LCR MODIFY (001) NOF DEL DGT:00
2. Enter index number (e.g., 005) OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	LCR MODIFY (005) NOF DEL DGT:00
3. Enter number of digits to delete OR Press RIGHT soft key to skip step and move cursor to next step.	LCR MODIFY (005) I:_

MMC: 713

4. Enter digits to be inserted (e.g., 1010288)
   OR
   Press RIGHT soft key to skip step or to store information and advance to next step.

```
LCR MODIFY (005)
I:1010288_
```

5. Enter digits to be appended (e.g., 45678)
   OR
   Press RIGHT soft key to skip step or to store information and return to step 2.

```
LCR MODIFY (005)
A:45678_
```

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 710 LCR DIGIT TABLE**

MMC: 714 DID NUMBER AND NAME TRANSLATION

DESCRIPTION:

Assigns an incoming DID call to a specific ring plan destination. It also provides a call waiting option, if needed, so that a second incoming DID call can be received. The table is also used to define which MOH source a caller to that DID number will hear when placed on hold. An 11 character name can be added to the number. There are a maximum of 999 entries. If there is no matching number on DID service the call is routed to the operator group for that ring plan.

Definitions of option are as follows:

1. DGT: Digits to be received from CO. Up to 16 digits may be entered.
2. MOH SOURCE: Allows the technician to select what the calling party will hear in regards to that DID/DNIS number if the call is placed on hold. There are a total of 6 possible music selections (see below).

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

   OPTIONS

   2.1 **NONE:** No Music on Hold. Follows the setting in MMC 408 for the trunk the call comes in on.

   2.2 **TONE:** A repeated tone is played to the outside party.

   2.3 **INTERNAL CHIME:** This is entered as the directory number of the music source on the MCP (3761).

   2.4 **EXTERNAL DEVICE:** Music Source or Digital announcer. This is entered as the directory number of an external music source.

   2.5 **VOICE MAIL SOUND FILE:** If the OfficeServ 7400 system has an optional SVM card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for MOH sources. Select the SVM port assigned in MMC 748. For information on creating the sound files see SVM System Administrator Manual-Recording greeting by number. If you select this option be advised that each VMMOH source requires a dedicated SVM port/channel.

3. PRI = DID priority option. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest.

   When calls arrives into a station group and group members are all busy the call is queued. The system will assign a priority to the DID number so that calls from a high priority DID number will be placed at the front of the group queue.

4. 1: XXX, 2: XXX, 3: XXX, 4: XXX, 5: XXX, 6:XXX = ring plan and destination during each ring plan. The destination can be a station, station group, trunk or trunk group. If trunk or trunk group is selected the trunks must be programmed as E&M trunks to allow the received digits to be re-sent on the facility(s). This is referred to as DID Repeat digits over tie line.

   NOTE: An entry of the character “B” means to repeat the received digits.

5. CW: Call waiting Yes/No . Allow a second DID call to be received

6. MC: This is the maximum number of simultaneous calls to this DID the system will allow. If more call attempts are made the system will return a busy signal to the caller.

7. 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.

8. NAME: Input up to 11 characters to identify call.

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

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

9. TONE: Ring tone options for a specific DID number (No. 1~8).

10. CAD: Ring cadence options for a specific DID number at SLT’s (No. 1~5).

- **DCS KEYSETS**

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

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

- **iDCS, DS and ITP KEYSETS**

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

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

MMC: 714

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 714. Display shows.	**DID DIGIT (001)** **DGT:**
2. Enter valid index number, e.g. 005, via dial keypad OR Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**DID DIGIT (005)** **DGT:**
3. Enter digits to be translated (e.g. 5065) via dial keypad and press RIGHT soft key to move cursor.	**DID DIGIT (005)** **DGT:5065**
4. Enter the MOH source for this entry. OR Press UP or DOWN key to select option. Press RIGHT soft key to return to step 3 above.	**DID DIGIT (005)** **MOH SOURCE:F-TRK**
5. Enter station or group number for each Ring Plan destination via dial keypad (e.g. 530) OR Press UP or DOWN key to make selection. Press RIGHT soft key to advance to next Ring Plan. Press RIGHT soft key to ENTER and move cursor.	**DID DIGIT (005)** **1:530 2:**
6. Press UP or DOWN key to make selection or select via dial pad 1 for YES, 0 for NO. Press RIGHT soft key to advance to the next step.	**DID DIGIT (005)** **CW:NO DELETE:0**

MMC: 714

7. Enter the number of digits to be deleted and press RIGHT soft key to return to step 1,
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

```
DID DIGIT  (005)
CW:YES    DELETE:0
```

DEFAULT DATA: NO ENTRIES

RELATED ITEMS: TRUNK PROGRAMMING

MMC: 715 PROGRAMMED STATION MESSAGE

DESCRIPTION:

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

Messages are written via the keypad. Each press of a key will select a character. Pressing a different key will move the cursor to the next position. For example, if the message is “Sunbathing,” press the number “7” three times to get the letter “S.” Now press the number “8” twice to get the letter “U.” Continue selecting characters from the table below to complete your message. Pressing the “A” key will change the letter from upper case to lower case.

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

- **DCS KEYSETS**

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

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

• iDCS, DS and ITP KEYSETS

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

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

There are 15 messages in a OfficeServ 7400 Release 2 system. They fall in the following categories:

MESSAGES 01-10 (16 character default messages): These are preprogrammed default messages. Any of them can be changed.

MESSAGES 11-15 on the system are 16 character blank messages that can be created.

NOTE: Each display keyset user can create 5 additional personal programmed messages, 16~20 using MMC 115.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
“A” KEY	Toggles from upper case to lower case

MMC: 715

ACTION	DISPLAY
1. Press TRANSFER 715. Display shows.	`PGM.MESSAGE (01)` `IN A MEETING`
2. Enter index number (e.g., 11) OR Press UP or DOWN arrow to make selection. Press RIGHT soft key to move cursor.	`PGM.MESSAGE (11)` `_`
3. Enter message via dial keypad using the above table (maximum 16 characters). Use "A" key to toggle upper case/lower case. Press RIGHT soft key to return to step 2.	`PGM.MESSAGE (11)` `SunBathing`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: TEN PROGRAMMED MESSAGES AS DETAILED BELOW

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

RELATED ITEMS: MMC 115 SET PROGRAMMED MESSAGE

MMC: 717 MY AREA CODE

DESCRIPTION:

This MMC defines the home area code and country code for the OfficeServ 7400 system. This information is used for caller ID, ANI 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.

NOTE: If 10 digit local dialing is used My Area Code is not used. If 7 digit local dialing is used, then My Area Code is used and removes the area code.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 717. Display shows.	MY AREA CODE AREA :
2. Enter area code (maximum 4 digits) via dial keypad (e.g., 2) and press RIGHT soft key to move cursor back to step 2.	MY AREA CODE AREA: 2
3. Press UP or DOWN to select country. Enter 1 for USA.	MY AREA CODE COUNTRY :1
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: TRUNK PROGRAMMING

MMC: 718 AGENT ID CODE

DESCRIPTION:

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. Each entry is tied to a specific UCD group or all groups. Agent ID codes can be up to 4 digits long.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 718. Display shows.	AGENT PIN (001) ID: GRP:
2. Dial code entry number 001-300 (e.g., 005) OR Press UP or DOWN keys to select index number and press RIGHT soft key to move cursor.	AGENT PIN (005) ID:_ GRP:
3. Enter ID code via keypad (e.g. 1234) and press RIGHT soft key to move cursor.	AGENT PIN (005) ID:1234 :GRP:
4. Enter group number 501 to 519 (e.g., 505) OR Press UP or DOWN key to select group or press the ANS/RLS to select all UCD groups and press RIGHT soft key to select and return to step 2.	AGENT PIN (005) ID:1234 :GRP:505
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 607 UCD OPTIONS

MMC: 719 IDLE DISPLAY

DESCRIPTION:

This program allows the technician or system administrator to create 10 sixteen character messages (pieces of information) that can be viewed by users with an ITP-5012L model IP keyset. All 10 messages can be displayed simultaneously. The individual user must use MMC 120 to select idle display option as “INFORMATION”. The default setting is ‘CALENDAR”.

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

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

- **DCS KEYSETS**

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

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

MMC: 719

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 719.
   Display shows.

```
IDLE DISPLAY (01)
```

2. Press the location of the line of a large LCD phone (01~12) on which guidance data is to be displayed.
   OR
   Press VOLUME to select the desired location of the line. Press the RIGHT soft button to move the cursor.

```
IDLE DISPLAY (02)
_
```

MMC: 719

3. Use the above table to enter guidance data. Press the RIGHT soft button to save the data.

```
IDLE DISPLAY (02)
WELCOME TO ABC
```

4. Press TRANSFER to exit the program.
   OR
   Press SPEAKER to move on to the next program.

DEFAULT DATA: NONE

RELATED ITEMS: MMC 120 LARGE LCD OPTION

MMC: 720 COPY KEY PROGRAMMING

DESCRIPTION:

Provides a tool for duplicating key assignment from one keyset to another. This can be done on a per-station basis or on all stations, but not on a group of stations. One limitation is that the original and target keysets must be of the same type (i.e. same number of buttons).

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 720. Display shows.	`[201] COPY KEY` `FROM:NONE`
2. Enter the station number to copy to (e.g., 205) OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	`[205] COPY KEY` `FROM:NONE`
3. Enter station number to copy from (e.g., 203) and cursor returns to step 2 OR Press UP or DOWN keys to make selection.	`[205] COPY KEY` `FROM:203`
4. Press RIGHT soft key to return to step 2 OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 720

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 107 KEY EXTENDER
MMC 721 SAVE STATION KEY PROGRAMMING
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING

MMC: 721 SAVE STATION KEY PROGRAMMING

DESCRIPTION:

Provides a service tool which will minimize the accidental loss of programmable keys on the OfficeServ 7400 electronic keysets. The method of operation is simple, first the data is saved and then the station can be replaced with another station type or the keys can be reprogrammed to other features. Once testing or replacement is completed, the data can be restored to the individual station, providing the same type is in place.

NOTE: This program is not to be confused with AUTO SET RELOCATE (MMC 315). This program is for saving and restoring the same electronic device type at that port.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 721. Display shows.	**[201] SAVE KEY** **RESTORE**
2. Enter desired station number (e.g., 205) OR Press UP or DOWN key to make selection and press RIGHT soft key.	**[205] SAVE KEY** **RESTORE**
3. Press UP or DOWN key to make function selection (e.g., SAVE).	**[205] SAVE KEY** **SAVE**
4. Press RIGHT soft key to enter and return to step 2 OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 721

DEFAULT DATA: NONE

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

MMC: 722 STATION KEY PROGRAMMING

DESCRIPTION:

Allows the customizing of programmable keys on specific electronic keysets, AOM, or 64 button module on the OfficeServ 7400 system. For keysets, buttons 1 and 2 are set as CALL buttons by default. For AOM's and 64 button DSS box's all buttons are set as DS keys by default. Features are entered via dial pad keys by pressing the dial pad number the required number of steps to select the feature. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, press 2 for the first letter B and then use the UP or DOWN key to change the selection from BARGE to BOSS.

DIAL KEYPAD

COUNT	1	2	3
DIAL 2	AAPLAY	BARGE	CALL
DIAL 3	DICT	DICT	FAUTO
DIAL 4	GPIK	HLDPK	IG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	SG
DIAL 8	TG	UA	VM
DIAL 9	WAKEUP	XCHIN	WAKEUP

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 722.
   Display shows.

```
[201] KEY PROG.
01:CALL1 →
```

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

```
[205] KEY PROG.
01:CALL1 →
```

MMC: 722

3. Enter selected key number (e.g., 18)
   OR
   Press UP or DOWN key to select key number.
   Press RIGHT soft key to move cursor.

```
[201] KEY PROG.
18:NONE →_
```

4. Using above chart, press dial pad key number to make selection
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to advance cursor to step 5 to enter extender if required or to return to step 2.

```
[201] KEY PROG.
18:NONE →GPIK_
```

5. If required, enter extender (e.g.,03)
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to return to step 2.

```
[201] KEY PROG.
18:NONE →GPIK03
```

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: SEE BELOW

RELATED ITEMS: MMC 107 KEY EXTENDER
MMC 720 COPY KEY PROGRAMMING
MMC 721 SAVE STATION KEY PROGTRAMMING

- **DCS KEYSETS**

Default 24 Button Keyset with or without Display

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE
13:NONE	14:NONE	15:NONE	16:NONE	17:NONE	18:NONE
19:CONF	20:SPD	21:LNR	22:PAGE	23:CBK	24:MSG

Default 12 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:CONF	08:SPD	09:LNR	10:PAGE	11:CBK	12:MSG

MMC: 722

Default 32 Button Add-On Module

01:DS	02:DS	03:DS	04:DS
05:DS	06:DS	07:DS	08:DS
09:DS	10:DS	11:DS	12:DS
13:DS	14:DS	15:DS	16:DS
17:DS	18:DS	19:DS	20:DS
21:DS	22:DS	23:DS	24:DS
25:DS	26:DS	27:DS	28:DS
29:DS	30:DS	31:DS	32:DS

Default 64 Button Add-On Module

01:DS	02:DS	03:DS	04:DS
05:DS	06:DS	07:DS	08:DS
09:DS	10:DS	11:DS	12:DS
13:DS	14:DS	15:DS	16:DS
17:DS	18:DS	19:DS	20:DS
21:DS	22:DS	23:DS	24:DS
25:DS	26:DS	27:DS	28:DS
29:DS	30:DS	31:DS	32:DS
33:DS	34:DS	35:DS	36:DS
37:DS	38:DS	39:DS	40:DS
41:DS	42:DS	43:DS	44:DS
45:DS	46:DS	47:DS	48:DS
49:DS	50:DS	51:DS	52:DS
53:DS	54:DS	55:DS	56:DS
57:DS	58:DS	59:DS	60:DS
61:DS	62:DS	63:DS	64:DS

Default 7 Button Keyset

01:CALL1	02:CALL2	03:NONE
04:NONE	05:NONE	06:NONE
	07:MSG	

MMC: 722

- **iDCS KEYSETS**

Default 28 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE
11:NONE	12:NONE	13:NONE	14:NONE	15:NONE
16:NONE	17:NONE	18:NONE	19:NONE	20:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 18 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 8 Button Keyset

01:CALL1	02:CALL2	03:MESSAGE	04:TRANSFER
05:NONE	06:NONE	07:NONE	08:SPEAKER

- **DS KEYSETS**

Default 21 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

Default 14 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE

Default 7 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE

MMC: 722

- **ITP KEYSETS**

ITP-5107S

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE

ITP-5121D

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

ITP-5112L

01:CALL1	02:CALL2
03:NONE	04:NONE
05:NONE	06:NONE
07:MESSAGE	08:NONE
09:NONE	10:NONE
11:NONE	12:NONE
13:NONE	14:NONE
15:NONE	16:NONE
17:NONE	18:NONE
19:NONE	20:NONE
21:NONE	22:NONE
23:NONE	24:NONE
25:NONE	26:NONE
27:NONE	28:NONE
29:NONE	30:NONE
31:NONE	32:NONE
33:NONE	34:NONE
35:NONE	36:NONE
37:NONE	38:NONE
39:NONE	40:NONE
41:NONE	42:NONE
43:NONE	44:NONE
45:NONE	46:NONE
47:NONE	48:NONE
49:NONE	50:NONE
51:NONE	52:NONE
53:NONE	54:NONE
55:NONE	56:NONE

MMC: 722

57:NONE	58:NONE
59:NONE	60:NONE
61:NONE	62:NONE
63:NONE	64:NONE
65:NONE	66:NONE
67:NONE	68:NONE
69:NONE	70:NONE
71:NONE	72:NONE
73:NONE	74:NONE
75:NONE	76:NONE
77:NONE	78:NONE
79:NONE	80:NONE
81:NONE	82:NONE
83:NONE	84:NONE
85:NONE	86:NONE
87:NONE	88:NONE
89:NONE	90:NONE
91:NONE	92:NONE
93:NONE	94:NONE
95:NONE	96:NONE
97:NONE	98:NONE
99:NONE	

Programmable Key Assignments

ABAND: ABANDONED CALL
ABW: AGENT BUSY WRAPUP
ACC: ACCOUNT
ALARM: CONTACT ALARM CLEAR
AN/RLS: ANSWER/RELEASE
BARGE: BARGE-IN
BILL: HOTEL/MOTEL BILL FEATURE
BLOCK: OHVA BLOCK
BOSS: BOSS/SECRETARY
CAD: CALL ACTIVITY DISPLAY
CALL: CALL BUTTON
CAMP: STATION CAMP-ON
CANMG: MESSAGE CANCEL
CBK: CALLBACK
CC: CALL COVERAGE
CHIN: CHECK IN

MMC: 722

CHOUT:	CHECK OUT
CHOICE:	CHOICE (RELATED TO NEWS SERVICE)
CID:	CALLER ID/ANI*
CONF:	CONFERENCE
CONP:	CONNECTED NAME ID PRESENTATION
CR:	CALL RECORD**
CREDIT:	HOTEL/MOTEL CREDIT FEATURE
CS:	CALL STATUS
CSNR:	CALLER ID SAVE NUMBER REDIAL
DGPALM:	EASYSET ALARM TO REMOTE STATION
DIR:	DIRECTORY
DIVERT:	EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK:	DOOR LOCK
DND:	DO NOT DISTURB
DNDO:	DO NOT DISTURB OVERRIDE
DP:	DIRECT PICKUP
DROP:	DROP
DS:	DSS KEY
DT:	DTS KEY
EP:	ESTABLISHED CALL PICKUP
EXTMIC:	EXTERNAL MICROPHONE
FAUTO:	FORCED AUTO ANSWER
FLASH:	FLASH
FWRD:	CALL FORWARD
GPIK:	GROUP PICKUP
HDSET:	HEADSET MODE
HLDPK:	HOLD PICKUP
HOLD:	HOLD
HOTEL:	HOTEL/MOTEL MULTI FUNCTION
IG:	IN/OUT OF GROUP
INFDSP:	INFO DISPLAY
INQIRE:	INQUIRE (CID/ANI)*
ISPY:	CID/ANI SPY
LANREQ:	LAN REQUEST
LCR:	LEAST COST ROUTING
LISTN:	GROUP LISTENING
LNR:	LAST NUMBER REDIAL
LOG:	CALL LOGGING
MMPA:	MEET ME PAGE ANSWER
MMPG:	MEET ME PAGE
MS:	MANUAL SIGNALING
MSG:	MESSAGE
MUTE:	MUTE

MMC: 722

MW:	MESSAGE WAITING
NEW:	NEW CALL
NND:	NAME NUMBER DATE (CID*/ANI)
NOCLIP:	CLI BLOCK
NPG:	NETWORK PAGE
NS:	NETWORK SELECTION
NXT:	NEXT (CID*/ANI)
OHVA:	OFF-HOOK VOICE ANNOUNCE
OPER:	OPERATOR
PAGE:	PAGE
PAGPK:	PICKUP PAGE HOLD
PARK:	CALL PARK ORBIT
PAUSE:	PAUSE
PMSG:	PROGRAMMED STATION MESSAGE
PRB:	PRIVACY RELEASE BRIDGE
PROG:	LIMITED PROGRAM
PTHR:	PATH REPLACEMENT
RB:	HOTEL/MOTEL REMOTE BILLING (LOBBY PHONE SVC)
REJECT:	OHVA REJECT
RETRY:	AUTO REDIAL ON BUSY
REVW:	REVIEW (CID*/ANI)
RP:	RING PLAN
RSV:	HOTEL/MOTEL ROOM STATUS VIEW
RTO:	RING TIME OVERIDE
SETDND:	SET DO NOT DISTURB AT ANOTHER PHONE
SETMG:	SET MESSAGE W/O RING
SG:	STATION GROUP
SLOCAT:	HOTEL/MOTEL STAFF LOCATOR FEATURE
SNR:	SAVED NUMBER REDIAL
SP:	UCD SUPERVISOR
SPD:	SPEED DIAL
STATE:	SET EXECUTIVE STATE
SPKR:	SPEAKER
STORE:	STORE DISPLAYED NUMBER (CID*/ANI)
SYSALM:	SYSTEM ALARMS
TCLIP	CLIP TABLE SELECTOR (PER CALL)
TG:	TRUNK GROUP
TIMER:	TIMER
TRARPT:	TRAFFIC REPORT
TRSF:	TRANSFER
UA:	UNIVERSAL ANSWER
VM:	VOICE MAIL MEMO
VMADM:	VOICE MAIL ADMINISTRATION**

MMC: 722

VMAME:	ANSWER MACHINE EMULATION**
VMMSG:	VOICE MAIL MESSAGE KEY**
VT:	VOICEMAIL TRANSFER
WAKE UP:	WAKE UP
XCHIN:	HOTEL/MOTEL EXPRESS CHECK IN FEATURE

NOTE: Items marked with an asterisk require optional hardware. Items marked with a double asterisk require a Voice Mail card.

MMC: 723 SYSTEM KEY PROGRAMMING

DESCRIPTION:

This MMC is much like MMC 722, Station Key Programming. The main difference is that this MMC is system-wide rather than on a per-station basis. Features are entered via the dial keypad by pressing numbers as shown in the table. For example, for OHVA the number 6 is pressed three times. If the BOSS key is required, press 2 for the first letter B, and then use the UP or DOWN key to change selection from BARGE to BOSS.

DIAL KEYPAD

COUNT→	1	2	3
DIAL 2	AAPLAY	BARGE	CALL
DIAL 3	DICT	DICT	FAUTO
DIAL 4	GPIK	HDSET	I/G
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	SETMG
DIAL 8	TG	UA	VDIAL

TYPE OF SET

0	24-BTN
1	12-BTN
2	7-BTN
3	32-BTN AOMs
4	64-BTN AOMs
5	28 BTN
6	18 BTN
7	8 BTN
8	99 BTN
9	38 BTN – NOT AVAILABLE IN US
10	21 BTN
11	14 BTN – NOT AVAILABLE IN US

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right

MMC: 723

SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

ACTION	DISPLAY
1. Press TRANSFER 723.	

MMC: 834 H.323 OPTION

DESCRIPTION:

This MMC provides various VoIP support options. The options set in this MMC are set systemwide.

- **GATEWAY CALL ID:** This a 1 to 12 digit numeric entry that identifies this system.
- **H.323 FAST SETUP:** Enables or disables the H.323 Fast Start call setup method.
- **CALLER ID TYPE:** This option controls the calling party identification type. There are 3 possible selections: *ANI* which shows the calling station number when the call is an MGI to MGI, *IP* which shows the calling MGI IP address, and *GWID* which is a 1 to 12 digit preprogrammed ID.
- **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.
- **DEFAULT DIL NO.:** This allows programming of the default DIL number when digits are missing, or incorrect on an inbound call.
- **CODEC AUTO NEGO:** Enables or disables Auto CODEC Negotiation when the MGI is used as a trunking gateway. This parameter is set as ON or OFF.
- **SIGNAL PORT:** Indicate the port number for H.323 signaling and sets a range of numbers allowed by firewall equipment. The common/default IP path or port used is 10000. When using the MGI as a trunking gateway the formula for which ports to open depends on the number of VoIP channels. The formula is as follows: base signaling port (10000)+128+2*(# of VoIp ports –1)+1.
- **SEND CLIP TABLE:** Refers to SEND CLI NUMBER (MMC 321), which provides calling party identification when using the MGI as a trunking gateway. This provides station ID of the calling station. A single digit value corresponding with the desired table in MMC321 should be entered here. This is only used when MMC 405 value is null. Default 1.
- **INCOMING MODE:** This option selects how incoming calls are routed: FOLLOW DID TRANS [default] (MMC 714), FOLLOW TRUNK RING (MMC406),

MMC: 834

or FOLLOW INCOM DGT (MMC 724) when the MGI is used as a trunking gateway.

- **ALLOW GW CHECK:** When using a gatekeeper, this permits the MGI to check for gatekeeper presence. This parameter is set as ENABLE or DISABLE

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 834. Display shows the first option. Press UP or DOWN key to select an option OR	GATEWAY CALL ID 1234
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an entry.	GATEWAY CALL ID 1234
3. Press RIGHT soft key to enter data and move cursor.	GATEWAY CALL ID 1234
4. Press UP or DOWN key to select an option OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	H.323 FAST SETUP ENABLE

DEFAULT DATA:
GATEWAY CALL ID: 1234
H.323 FAST SETUP: ENABLE
CALLER ID TYPE: ANI
TUNNELING: ENABLE
DEFAULT DIL NO.: 5000
CODEC AUTO NEGO: ON
SIGNAL PORT: 10000
SEND CLIP TABLE: 1
INCOMING MODE: FOLLOW DID TRANS
ALLOW GK CHECK: DISABLE

MMC: 834

RELATED ITEMS:

- MMC 405: CO LINE NO.
- MMC 615: MGI GROUP
- MMC 316: MGI USER
- MMC 830: ETHERNET PARAMETERS
- MMC 831: MGI PARAMETERS
- MMC 832: VOIP OUTBOUND DIGITS
- MMC 833: VOIP ADDRESS TABLE
- MMC 835: MGI DSP OPTIONS
- MMC 836: H.323 GATEKEEPER OPTIONS
- MMC 837: SIP OPTIONS
- MMC 838: PRIVATE IP ADDRESSES
- MMC 840: IP SET INFO
- MMC 841: SYSTEM IP OPTIONS

MMC: 835 MGI DSP OPTION

DESCRIPTION:

This MMC provides various MGI DSP options.

IMPORTANT: You must first select the MGI Card Type: MGI (use for configuring MGI card), or MGI16 (use for configuring MGI64).

- **CODEC FRAME COUNT:** Selects which audio codec compression will be used and transmission interval time of VoIP packets generated from MGI card. Selections - MGI3: G729A (8K), G.729 (8K), G.711 (64K), G.723.1 (5.3K~6.4K). Does not apply to ITP to ITP communications. Use settings in MMC 840/MMC 841 for ITP to ITP communications.

- **ECHO CANCEL:** Enables or disables echo cancellation (0: disable, 1: enable). This function removes echo that is generated by voice reflection and packet delay.

- **SILENCE SUP:** This parameter determines whether silence suppression is used (0: disable, 1: enable). This prevents transmission during the silence period of a call, and conserves bandwidth when enabled.

- **IN FILTER:** This option select input filtering of the DSP (0: disable, 1: enable). This should always be set as ENABLE.

- **OUT FILTER:** This option select output filtering of the DSP (0: disable, 1: enable). This should always be set as ENABLE.

- **INPUT GAIN:** PCM input gain value of DSP. The range is –31dB~31dB (0~63). This sets the quality of PCM voice from the VoIP DSP to the site.

- **VOICE VOL:** This value selects the voice volume. The range is –31dB~31dB (0~63).

- **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.

- **MIN JITTER:** Decides the minimum time to consider delay for jitter adjustment. The range is 010~300ms.

MMC: 835

- **MAX JITTER:** Decides the maximum time to consider delay for jitter adjustment. The range is 010-300ms.
- **FAX ECM:** This option selects retry of Fax-over-IP, in the case that errors are detected (0: disable, 1: enable).
- **MAX FAX CNT:** This is maximum number of channels that can be *simultaneously utilized* for Fax-over-IP. The range is 00~16.
- **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.
- **TOS FIELD:** An eight-bit binary value that will be utilized by external routers, switches, etc (*that optionally support TOS-bit prioritization*) – to identify the transport-priority value of data packets generated by the MGI card. This value can be left at default value (00000000) if your network infrastructure does not support this method of bandwidth management.
- **FAX RETRY:** The number of attempts to resend a failed fax transmission.
- **RTP CHECK TIME:** Interval between RTCP packets sent from MGI cards.

Note: Does not apply to ITP to ITP calls (where both ITP's are in same public zone, or both in same private zone). For ITP to ITP calls, use settings in MMC 840/MMC 841.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 835. Display shows the first option. Press UP or DOWN key to select MGI3 or MGI2	**AUDIO CODEC** **G.729A**
OR	
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an parameter.	**AUDIO CODEC** **G.729A**
3. Press RIGHT soft key to enter data and move cursor.	**AUDIO CODEC** **G.729A**

MMC: 835

4. Press UP or DOWN key to select an option
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

```
MGI3:AUDIO CODEC
G.729
```

DEFAULT DATA:
AUDIO CODEC: G.729A
ECHO CANCEL: ENABLE
SILENCE SUP: ENABLE
IN FILTER: ENABLE
OUT FILTER: ENABLE
INPUT GAIN: 31
VOICE VOL: 31
JITTER OPT: 04
MIN JITTER: 030ms
MAX JITTER: 150ms(MGI3)
FAX ECM: ENABLE
MAX FAX CNT: 02
DTMF TYPE: OUTBAND(MGI3)
TOS DATA: 00000
FAX RETRY: 0
RTP CHECK TIME: 5 seconds

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 616: MGI USER
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS
MMC 714: DID TRANSLATIONS
MMC 321: CLIP TABLE

MMC: 836 H.323 GK OPTION

DESCRIPTION:

Provides a means to set the MGI parameters for an optional external industry-standard H.323 network gatekeeper, using Registration, Admissions, and Status signaling (RAS). The settings are system wide.

- NOTE: When changing 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

- **GK CONNECTION:** This determines if the MGI is to connect to a gatekeeper. The options are: ENABLE or DISABLE.
- **GK ROUTING:** This enables or disables routing of calls through a gatekeeper. The options are: ENABLE or DISABLE.
- **GK IP ADDRESS:** This is gatekeeper's IP address.
- **GK NAME:** This is alphanumeric name identifier of the gatekeeper. An entry of 9 characters with a space followed by an additional 6 alpha-numeric characters.
- **ALTER GK IP ADDR:** This provide for an alternate gatekeeper address.
- **H.323 GATEWAY ID:** This is the H.323 identifier used by the MGI when registering with the gatekeeper. This can be up to 16 characters in length.
- **E.164 GATEWAY NO:** This is the E.164 identifier used by the MGI when registering with the gatekeeper. This can be up to 16 digits in length.
- **GK KEEP ALIVE:** This is the timer that the MGI uses to acknowledge the presence of the gatekeeper. The range is 000~999 seconds.
- **GK DOWN ROUTE:** This provides an alternate route in case the primary gatekeeper is down. Selections are PSTN or ALTER GK.
- **GK RAS TYPE:** Select if AUTO or MANUAL, depending on your gatekeeper's capabilities.
- **URQ REASON MODE:** Select ON or OFF for usage of Unregister Request RAS (URQ) messages.

MMC: 836

- **RRQ FAIL TIME:** Programs the time frame to re-send Registration Request RAS (RRQ) messages to a gatekeeper. Default is 30 seconds. The range is 1~99.
- **GRQ SEND:** Select ON or OFF for usage of Gatekeeper RAS Request (GRQ) messages.
- **USE MULTI E.164:** When set to "Enable" the E.164 identifier can be assigned to multiple lists (32 max).
- **E.164 LISTS (1):** This is the E.164 identifier used by the H.323 trunk when registering with the gatekeeper (max 32 lists with 16 digit string length).
- **GK REGISTERED:** Displays GK registration status.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 836. Display shows the first available option. Press UP or DOWN key to select an option OR press the RIGHT soft key to move cursor	**GK CONNECTION** **DISABLE**
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	**GK CONNECT** **DISABLE**
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor to the Step 1 position.	**GK CONNECT** **DISABLE**
4. Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor OR 5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	**GK ROUTING** **DISABLE**

MMC: 836

DEFAULT DATA:

GK CONNECTION: DISABLE
GK ROUTING: DISABLE
GK IP ADDRESS: 0.0.0.0
GK NAME: Gatekeeper
ALTER GK IP ADDR: 0.0.0.0
GW H.323 ID: OfficeServ
GW E.164 NUMBER: 1234
KEEP ALIVE: 000
GK DOWN ROUTE:PSTN
GK RAS TYPE: AUTO
URQ REASON MODE: ON
RRQ FAIL TIME: 30 SEC
GRQ SEND: OFF
USE MULTI E.164: DISABLE
E.164 LISTS: NONE
GK REGISTERED: NO

RELATED ITEMS:

MMC 615: MGI GROUP
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES

MMC: 837 SIP OPTIONS

DESCRIPTION:

This MMC permits the adjustments of optional Session Initiation Protocol (SIP) trunking parameters. The MGI supports SIP and H.323 on a per call-per-port basis. The settings are systemwide.

- NOTE: 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

- **GATEWAY CALL ID:** This a 1 to 12 digit numeric entry that identifies this system.

- **CALLER ID TYPE:** This option controls the calling party identification type. There are 3 possible selections: *ANI* which shows the calling station number when the call is MGI to MGI, *IP* which shows the calling MGI IP address, and *GWID* which is a 1 to 12 digit preprogrammed ID.

- **DEFAULT DIL NO.:** This allows programming of the default DIL number when digits are missing, or incorrect on an inbound call.

- **UDP PORT: TRUNK:** Sets the UDP port used on a trunk call.

- **UDP PORT: PHONE:** Sets the UDP port used on a SIP phone call.

- **RE-TRANS. T1 TIME:** The initial re-transmission time if no answer based on the RFC2543 specification. Default 500ms. The range is 0~9900.

- **RE-TRANS. T2 TIME:** The maximum re-transmission time if no answer based on the RFC2543 specification. Default 4000ms. The range is 0~9900.

- **RE-TRANS. T4 TIME:** The time the User Agent Server waits after receiving the ACK message. Based on the RFC2543 specification. Default 5000ms. The range is 0~9900.

- **GENERAL RING TM:** The server shall retransmit the response during this amount of time until the requested retransmission is received. For example, the wait time after sending 200 OK for INFO. The range is 0~99900.

MMC: 837

- **INVITE LING TM:** After the client sends ACK for the INVITE Final Response, the client cannot confirm if the server received the ACK message. The client waits for this amount of time after sending ACK for the Final Response. The range is 0~99900.

- **PROVISIONAL TIME:** After receiving the Provision Response, the User Agent shall wait for this amount of time until Timeout ends. The range is 0~999900.

- **INV.NO RESP TIME:** Before sending Cancel for the Invite Request, the User Agent shall wait for this amount of time. The range is 0~99900.

- **GEN.NO RESP TIME:** Before sending Cancel for General Request, the User Agent shall wait for this amount of time. The range is 0~99900.

- **REQ.RETRY TIME:** After sending General Request, the User Agent shall wait for the Final Response for this amount of time. The range is 0~99900.

- **SIP SERVER ENBLE:** *ENABLE* or *DISABLE* to use an optional external industry-standard SIP Server.

- **SIP SERVER IP:** Sets SIP server IP address.

- **SIP SERVER PORT:** Sets the port to use on the SIP Server.

- **SIGNAL PORT:** Indicate the port number for signaling and sets a range of numbers allowed by firewall equipment. The common/default IP path or port used is 10000

- **SEND CLIP TABLE:** Refers to SEND CLI NUMBER (MMC 321), which provides calling party identification when using the MGI as a trunking gateway. This provides station ID of the calling station. A single digit value corresponding with the desired table in MMC 321 should be entered here. This is only used when MMC 405 value is null.

- **INCOMING MODE:** This option selects how incoming calls are routed: FOLLOW DID TRANS [default] (MMC 714), FOLLOW TRUNK RING (MMC 406), or FOLLOW INCOM DGT (MMC 724) when the MGI is used as a trunking gateway.

- **REGISTER T-GW:** Trunk gateway number to register STP server.

- **ALLOW GW CHECK:** Enable the check for the presence of a gateway.

- **SIP REGISTERED:** Displays registration status to the SIP server.

MMC: 837

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 837. Display shows the first available option. Press UP or DOWN key to select an ITM3 card OR press the RIGHT soft key to move cursor.	GATEWAY CALL ID 1234
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	CALLER ID TYPE IP
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor to the Step 1 position.	CALLER ID TYPE IP
4. Press UP or DOWN key to select an ITM3 card OR press RIGHT soft key to move cursor.	CALLER ID TYPE GWID
Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor OR 5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	DEFAULT DIL NO. 500

DEFAULT DATA:

GATEWAY CALL ID: 1234
CALLER ID TYPE: ANI
DEFAULT DIL NO.: 5000
UDP PORT:TRUNK: 05060
UDP PORT:PHONE: 05070
RE-TRANS.T1 TIME: 500ms
RE-TRANS.T2 TIME: 4000ms
RE-TRANS.T4 TIME: 5000ms
GENERAL RING TM: 5000ms
INVITE LING TIME: 5000ms

MMC: 837

PROVISIONAL TIME: 180000ms
INV.NO RESP TIME: 5000ms
GEN.NO RESP TIME: 5000ms
REQ.RETRY TIME: 5000ms
SIP SERVER ENBLE: DISABLE
SIP SERVER IP: 0.0.0.0
SIP SERVER PORT: 05060
SIGNAL PORT: 10000
SEND CLIP TABLE: 1
INCOMING MODE: FOLLOW DID TRANS
REGISTER T-GW NUM:4100
ALLOW GW CHECK: DISABLE

RELATED ITEMS:

MMC 405: CO LINE NO.
MMC 615: MGI GROUP
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 714: DID TRANSLATIONS
MMC 321: CLIP TABLE

MMC: 838 PRIVATE IP ADDRESS

DESCRIPTION:

This optional MMC provides a means for the MCP to communicate with remote VoIP gateways on a network consisting of a mixture of private and public IP addresses. If your network consists of IP addressing that is *entirely* private OR *entirely* public, you do not need to utilize this MMC. There are 80 entries.

- NOTE: When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example 192.168.1.10 input must be: 192 168 001 010

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 838. Display shows the first available option. Press UP or DOWN key to select an entry OR Press the RIGHT soft key to move cursor.	PRIVATE IP (01) 0. 0. 0. 0
2. Press UP or DOWN key to select an option OR Press RIGHT soft key to move cursor.	PRIVATE IP (01) _ 0. 0. 0. 0
3. Enter IP address in 3 digit entry format. IE 105.52.10.20 is input 105.052.010.020. Press RIGHT soft key to enter data and move cursor to the Step 1 position.	PRIVATE IP (01) 105. 052. 010.020
4. Press UP or DOWN key to select another entry OR Press RIGHT soft key to move cursor OR Press TRANSFER to store and exit OR press SPEAKER to store and advance to next MMC.	PRIVATE IP (01) 105. 052. 010.020 PRIVATE IP (01) 105. 052. 010.020

MMC: 838

DEFAULT DATA: **PRIVATE IP: BLANK**

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS

MMC: 840 IP SET INFO

DESCRIPTION:

This MMC provides a means to register the IP keyphones with the OfficeServ 7400 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 keyphone to be registered. System default numbers start at 3201~3280. System default User ID's match the default station numbers. (3201~3280). The system default password is 1234. IP keyphones must be individually programmed with User ID and Password to register with the system.

- NOTE: 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

- **USER ID:** This is the ID the IP keyphone must match to register with the OfficeServ 7400 system. This entry can be alphanumeric.
- **USER PSWD:** This is the Password the IP keyphone must also have to register with the OfficeServ 7400 system. This entry can be alphanumeric.
- **IP ADDR:** This is the IP address of the IP once registered with the OfficeServ 7400 system. View only.
- **MAC ADDR:** This is MAC address of the IP keyphone once registered with the OfficeServ 7400 system. View only.
- **SIG PORT:** Indicates the port number used for keyphone control signaling. This information will be needed when traversing NAT routers, firewalls, etc. View only.
- **VOICE PORT:** Indicates the port number used for transporting voice content. This information will be needed when traversing NAT routers, firewalls, etc. View only.
- **IP TYPE:** This is the type of IP network used where the ITP is located: PRIVATE or PUBLIC, or PUBLIC with FIREWALL. "PUBLIC with FIREWALL" option must be selected when there are firewalls/NAT routers between system and remote ITP's.
- **DSP TYPE:** This selects which CODEC this keyphone's DSP will use. G.729A (low bandwidth) or G.711 (high bandwidth). This applies to ITP to ITP communication only. ITP to TDM follows MMC 835.

MMC: 840

- **PHONE TYPE:** This the type of IP keyphone used. SAMSUNG or SIP (future). Please use SAMSUNG for the ITP series of keyphones.

- **REGIST CLR:** This is used to clear the registration of a particular IP keyphone. If a keyphone is relocated to a different physical subnet, it is very important that the keyphone registration is cleared and re-established with the proper IP information.

- **FRAME CNT*:** This is the sampling rate per frame. The lower the frame count the higer the bandwidth consumed per call. Range is 20 ms ~ 40 ms. Applies only to ITP calls.

- **JITTER SIZE*:** This is the programmable time delay to buffer packets. Range 10 ms~90 ms. Applies only to ITP to ITP calls.

- **TOS FIELD*:** Allows the setting of Type of Service bits to allow precedence when using router that support this field. Applies only to ITP to ITP calls.

- **SW VERSION:** Software version of the particular ITP keyset. View only.

- **SW UPGRADE:** This is an IP phone software upgrade command. The TFTP server address must be programmed in MMC 841 for this to work. When selecting YES and pressing the right soft key, the selected ITP will be upgraded to software on TFTP server. MMC 841, “ITP version upgrade” must be set to MMC command.

- **TIME ZONE:** Sets the time off-set of IP phone from the system clock. This is used for IP phones on different time zones than the system. By adjusting this parameter the remote ITP phone’s clock display will show local time of the time zone where it is located.

- **PUB TO PUB:** When set to “USE MGI” calls between two remote ITP phones located in the same private zone (or same public zone) will be forced to use an MGI channel. Select the “USE MGI” option if you encounter one-way audio or no audio between remote ITP phones.

- **PRIVATE IP:** Displays the private IP address (local IP) of the ITP phones (view only).

- **SIG TYPE**

Note: These settings are effective only if MMC 841, “ITP DSP PARA”, DOWN=PHONE DATA.

MMC: 840

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 840. Display shows the first available option. Press UP or DOWN key to select a MGI PORT OR press the RIGHT soft key to move cursor.	(3201) USER ID 3201
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	(3201) USER ID 3201
3. Input ITP alphanumeric User ID and Press RIGHT soft key to enter data and move cursor to the Step 2 position.	(3201) USER ID 3201
4. Press UP or DOWN key to select Password option and press RIGHT soft key to move cursor.	(3201) USER PSWD 3201
Input ITP alphanumeric Password and Press RIGHT soft key to store entry and move cursor OR	(3201) USER PSWD 3201
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

USER ID: MATCHES DEFAULT NUMBERING
USER PSWD: 1234
IP ADDR: ITP DEFINES
MAC ADDR: ITP DEFINES
SIG PORT:
VOICE PORT:
IP TYPE: PRIVATE
DSP TYPE: G.729A
PHONE TYPE: SAMSUNG

MMC: 840

REGIST CLR: Y/N
TIME ZONE: 00:00
PUB TO PUB: NOT USE MGI
SIG TYPE: UDP

RELATED ITEMS:

MMC 615: MGI GROUP
MMC 616: MGI USER
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 841: SYSTEM IP OPTIONS

MMC: 841 SYSTEM IP OPTION

DESCRIPTION:

This MMC provides various proprietary Samsung VoIP/IP integration options. The options set in this MMC are system-wide.

No	Option	Description	Default
0	PHONE VERSION	Sets running IP-based phone and new phone software version with the system. For example if version is 2.05 enter 0205. The version must match the version of software loaded in TFTP server. LARGE DGP: Large LCD phone (not available in U.S.A.) LARGE ITP: Large LCD IP-based phone(ITP-5012L) 2LINE ITP: line LCD IP-based phone (ITP-5021D) WIPM APPL: Wireless IP-based mobile phone software. SOFT PC SOFT PDA ITP-5112L ITP-51xx (ITP-5107S, ITP-5121D) WIPM BOOT: Wireless IP-based mobile phone boot program. SOFT MENU: Soft menu version	0000
1	PHONE TFTP IP	Sets phone software upgrade TFTP server IP address.	0.0.0.0
2	ITP REGISTRATION	Defines the method that IP-based phones use to register themselves with the system.	-
		0 TYPE: Defines the method that IP-based phones use to registration themselves with the system. a) SYS PSWD: System will authenticate the IP-based phones with the value contained within parameter ITP REGISTRATION: PSWD within this same MMC. b) ITP PSWD: System will authenticate the IP-based phones according to entries made in MMC 840. c) DISABLE: System will not authenticate IP-based phones at all.	SYS PSWD
		1 PSWD: This is a system-wide password value used for registration of IP phones.	'1234'
3	EASYSET OPTION	Sets EasySet link via LAN option with the system.	-
		0 PSWD: This is a system-wide password value used for authentication of EasySet server.	'1234'

		1 ALIVE TIME: This is a EasySet link via LAN alive check timer.	0 SEC
4	CTI LINK OPTION	Sets CTI link via LAN option with the system.	-
		0 SMDR REPORT: Sets YES or NO for SMDR data to CTI link via LAN.	NO
		1 UCD REPORT: Sets YES or NO for UCD data to CTI link via LAN.	NO
		2 ALIVE TIME: This is a CTI link via LAN alive check timer. If this sets 0, the system will not check link alive.	300 SEC
5	ITP DSP PARA	Sets IP phone DSP parameters of system-wide.	-
		0 M-FRAME: This value determines the transmission interval time of VoIP packets generated by the IP phone. This data is effective only when DOWN = SYS DATA in this MMC. The range is 10~40 ms. Applies only to ITP to ITP calls (when both ITPs are in same zone).	10 ms
		1 JITTER: Decides the minimum time to consider delay for jitter adjustment. This data is effective only when DOWN = SYS DATA in this MMC. The range is 10~90 ms. Applies only to ITP to ITP calls (when both ITPs are in same zone).	20 ms
		2 TOS: An eight-bit binary value that will be utilized by external routers, switches, etc(that optionally support TOS-bit prioritization)-to identify the transport-priority value of data packets generated by the IP phone. This value can be left at default value(00000) if your network infrastructure does not support this method of bandwidth management. This data is effective only when DOWN = SYS DATA in this MMC. Applies only to ITP to ITP calls (when both ITPs are in same zone).	all bits 0
		3 CONTROL: Determines data uses system-wide data or each phone data for IP-based phone DSP control. a) SYS BASE: System-wide data will be used.(MMC 841 data) b) ITP BASE: Each phone data will be used.(MMC 840 data) c) CODE C: Choose codec priority MGI or ITP.	SYS BASE
6	ITP TX GAIN/HSET	Sets IP-based phone Handset TX gain value of each level.	-
7	ITP RX GAIN/HSET	Sets IP-based phone Handset RX gain value of each level.	-

MMC: 841

No	Option	Description	Default
8	ITP TX GAIN/MIC	Sets IP-based phone MIC gain value of each level.	-
9	ITP RX GAIN/SPKR	Sets IP-based phone SPKR gain value of each level.	-
10	ITP VERS UPGRADE (“PHONE TFTP IP” and “PHONE VERSION” must be set).	Sets IP-based phone software upgrade option with the system. Used for automatic software upgrades.	-
		0 TYPE: Sets IP-based phone software upgrade type.. a) MMC COMMAND: IP-based phone software upgraded manually in MMC 840. b) PHONE CON: IP-based phone software upgraded automatically at phone connection. c) AUTO TIME: IP-based phone software upgraded automatically at set time.	MMC COMMAND
		1 START TIME: IP-based phone software automatic upgrade start time.	0000. (Disable)
		2 INTERVAL: IP-based phone software automatic upgrade interval time.	10 seconds.
11	MGI ALIVE PERIOD	Time interval between heart beat check between MGI and MCP.	-
12	LICENSE KEY	Soft phone license key	NONE
13	LICENSE STATUS	SOFTP ALLOW	0
		SOFTP USED	0
		SOFTP CONN	0
		NEWS ALLOW (not supported in US)	NO
14	DATACARD IPC	MP40 to data module IPC communication	YES

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 841.
   Display shows the first available option.

   DISPLAY
   ```
   ITP RESIGTRATION
   ENABLE /ITP PSWD
   ```

2. Press UP or DOWN key to select an option
   OR press RIGHT soft key to move cursor.

   ```
   ITP REGIST PSWD
   4321
   ```

MMC: 841

3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor to the Step 1 position.

```
ITP REGIST PSWD
8228
```

4. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.

```
ITP REGIST PSWD
8228
```

Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor

```
EASYSET PASSWORD
1234
```

OR

5. Press TRANSFER to store and exit

OR

Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **SEE DESCRIPTIONS**

RELATED ITEMS:

MMC 615: MGI GROUP
MMC 616: MGI USER
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS

MMC: 844 IP STATION TYPE

DESCRIPTION:

This MMC is used to assign the IP station type as either DESKTOP PHONE or MOBILE PHONE. The default numbering plans MMC 724 reserves directory numbers 3201 (INDEX 001) to 3299 (INDEX 099) for IP DESKTOP PHONES.

When more directory numbers are needed for IP PHONES changes MMC 724-IP STN NUM PLAN as required.

1. ITP 5112L and 5121D must be set as DESKTOP PHONE.
2. The WIP5000M, 802.11b wireless IP handset must be set as MOBILE PHONE.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 844. Display shows	**INDEX:001 [3201]** **DESKTOP PHONE**
2. Dial index number (e.g. 121) OR Press VOLUME key to select station and press RIGHT soft key to move cursor.	**INDEX:061 [3301]** **MOBILE PHONE**
3. Dial 1 or 0 to select type (1=MOBILE PHONE, 0=DESKTOP PHONE). Press VOLUME key to select option and press RIGHT soft key.	**INDEX:061 [3301]** **DESKTOP PHONE**
4. Press TRANSFER key and enter to exit OR Press SPEAKER key to advance to next MMC.	

MMC: 844

DEFAULT DATA: **INDEX 001~ 060: DESKTOP PHONE**
INDEX 061~ 120: MOBILE PHONE

THIS PROGRAM RESERVES 3201~3299 AS EXTENSION NUMBERS FOR IP PHONES.

RELATED ITEMS: MMC 724: DIAL NUMBERING PLAN
MMC 840: IP PHONE INFORMATION
MMC 846: WIP INFORMATION

MMC: 845-COMBO WLI PARAMETERS

DESCRIPTION:

(NOT SUPPORTED ON OS 7400)

<WLAN Parameter>

No.	Parameter	Description
00	SYSTEM ID	ID used to classify the system in the wireless environment. Different IDs are used according to the system(Mandatory entry item)
01	SYSTEM KEY	Key used to register a terminal. Different values should be used according to the system. If you change the default, you can use a wireless terminal and supply power to WBS24(Mandatory entry item)
02	1st DNS IP	IP address of the 1st Domain Name Server(DNS)
03	2nd DNS IP	IP address of the 2nd of Domain Name Server(DNS)
04	2nd WBS IP	All IP addresses of WBS24 used by the wireless terminal in the system. Use the default if there is no IP collision with other devices connected to the same subnet
05	CODEC LIST	CODEC used in a VoIP call between WBS24 and WIP-5000M. Currently, it is possible to set G.729A only
06	RF CHANNEL	Sets the RF channel value available in WBS24
07	VERSION	Indicates the WLAN module version
08	TFTP SERVR	Sets the server IP for WBS24 upgrade
09	TFTP FILE	Sets the file name for WBS24 upgrade
18	WBS TX PWR	Changes TX power of the entire WBS24. Level 1 is minimum, level 4 is maximum.
19	CLR WBSREG	Initializes the entire entry information on WBS24

<WBS Parameter>

No.	Parameter	Description
0	IP ADDRESS	The IP address for connecting the Ethernet for WBS24 (Mandatory entry item)

MMC: 845-COMBO

No.	Parameter	Description
1	GATEWAY	Gateway address of the network in which WBS24 is installed (Mandatory entry item)
2	NET MASK	Netmask of the network in which WBS24 is installed (Mandatory entry item)
3	MAC ADDR	WBS24 MAC address received by the system if WBS24 is connected
4	VERSION	Current software version of WBS24 connected to the system
5	STATUS	Alive operation status of WBS24 connected to the system
6	USE RF CH	RF channel number used in each WBS24
7	TX POWER	TX POWER of each WBS24. Level 1 is minimum, level 4 is maximum.
8	TIMEZONE	In case of WBS24(Basic), this parameter can be independently set at the area with a different time zone. This value is settings to correct time
8	PARA CLR	Initializes the WBS24 entry information

NOTE

Connecting WBS24

WBS24 has two types, i.e. COMBO and BASIC. Two types of WBS24 is simultaneously unavailable in one system.

According to the AP type, CWBS is displayed if WBS24 is set to Combo, and BWBS if set to Basic on the LCD display. The AP type can be set in [AP TYPE] of [MMC 849].

<SIP Parameter>

Normally, use the default without change.

No.	Parameter	Description
0	RE-TRANS T1	When using Unreliable transmission protocol such as UDP, retransmission is performed if there is no response after transmission. RE-TRANS.T1 TIME is the Initial Retransmission Interval defined in RFC2543.
1	RE-TRANS T2	Maximum Retransmission Interval defined in RFC 2543.
2	RE-TRANS T4	Available for multiple purposes in RFC 2543. This parameter is used as time when User Agent Server(UAS) receives the ACK message and waits in the Unreliable transmission protocol.
3	GEN RING TM	In the Unreliable transmission protocol, it is not sure that the client receives a response after the server sends the last response. At this time, the server should retransmit a response during this time until it receives the requested retransmission. For example, it is the time to

No.	Parameter	Description
		send INFO 200 OK and wait.
4	INV RING TM	In the Unreliable transmission protocol, it is not sure that the server receives the ACK message after the client sends INVITE Final Response ACK. It is the waiting time after the client sends Final Response ACK.
5	GEN NO RESP	Waiting time before canceling the SIP Request.
6	INV NO RESP	Waiting time before canceling the SIP INVITE Request.
7	REQ RETRY	Waiting time before the final response to the SIP Request is received.
8	PROVISIONAL	When receiving the Provision Response, User Agent should wait during this time before Timeout expires.

PRECONDITION

None

DEFAULT

<WLAN Parameter>

No.	Parameter	Settings
0	SYSTEM ID	WBS24
1	SYSTEM KEY	00000
2	1st DNS IP	0.0.0.0
3	2nd DNS IP	0.0.0.0
4	2nd WBS IP	168.208.144.10
5	CODEC LIST	CODEC 1: G.729A
6	RF CHANNEL	USE CH 1: 01
7	VERSION	-
8	TFTP SERVR	0.0.0.0
9	TFTP FILE	WBS00000.TFP
18	WBS TX PWR	DEFAULT
19	CLR WBSREG	NO

<WBS Option>

Parameter	Settings
IP ADDRESS	0.0.0.0

MMC: 845-COMBO

Parameter	Settings
GATEWAY	0.0.0.0
NET MASK	255.255.255.0
MAC ADDR	FFFF FFFF FFFF
VERSION	-
STATUS	OFF
USE RF CH.	1, 6, 11 are arranged in sequence
TX POWER	DEFAULT
PARA CLR	NO

<SIP Option>

Parameter	Settings
RE-TRANS T1	000500 ms
RE-TRANS T2	004000 ms
RE-TRANS T4	005000 ms
GEN LING TM	006000 ms
INV LING TM	001000 ms
GEN NO RESP	005000 ms
INV NO RESP	006000 ms
REQ RETRY	005000 ms
PROVISIONAL	180000 ms

ACTION **DISPLAY**

1. Select the MMC number [845].

```
845: WLAN PARA
SELECT PROG ID
```

2. Select the desired one of WLAN, CWBS and SIP.
   Or select a desired item using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.

```
WLAN : SYSTEM ID
WBS24
```

3. Enter the parameter number.
   Or select a desired item using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.

```
CWBS01: IP ADDR
0.  0.  0.  0
```

4. Set the following items in WLAN menu:

- Enter the system ID of a desired WLAN.

```
WLAN : SYSTEM ID
WBS24
```

- Register the system key.

```
WLAN: SYSTEM KEY
00000
```

- Register the DNS SERVER (FIRST) IP.

```
WLAN: 1 ST DNS IP
0. 0. 0. 0
```

- Register the DNS SERVER (SECOND) IP.

```
WLAN: 2 ND DNS IP
0. 0. 0. 0
```

- Register the WBS24 SECOND IP.

```
WLAN: 2 ND WBS IP
168. 208. 144. 10
```

- Select a voice CODEC to be used while busy. For CODEC, only G.729A can be selected.

```
WLAN : CODEC LIST
CODEC 1: G.729A
```

- Assign RF channel for the system.

```
WLAN : RF CHANNEL
USE CH 1: 01
```

- The version information of the WLAN.

```
WLAN : VERSION
2005.06.14 v1.95
```

- Assign all WBS24 transmit power for.

```
WLAN : WBS TX PWR
DEFAULT
```

- Clear all WBS24 parameters.

```
WLAN : CLR WBSREG
ARE YOU SURE?NO
```

5. Set the items below at the WBS24 menu.

- Register an IP address to be used in WBS24.

```
CWBS01 : IP ADDR
0. 0. 0. 0
```

- Register the Gateway to be used in WBS24.

```
CWBS01 : GATEWAY
0. 0. 0. 0
```

- Register the Net Mask to be used in WBS24.

```
CWBS01: NET MASK
255.255.255  0
```

- The MAC address of WBS24 is displayed.

```
CWBS01: MAC ADDR
0000 0000 0000
```

- The version information on WBS24 is displayed.

```
CWBS01:VERSION
```

- The status information on WBS24 is displayed.

```
CWBS01:STATUS
OFF
```

- Select the RF Channel of WBS24.

```
CWBS01: RF CHAN
USE CH 1 : 11
```

- Select the transmit power of WBS24.

```
CWBS01: TX POWER
DEFAULT
```

6. Set the following items in the SIP menu:

- Set RETRANS T1 to be used in SIP.

```
SIP : RE-TRANS T1
000500 MS
```

- Set RETRANS T2 to be used in SIP.

```
SIP : RE-TRANS T2
004000 MS
```

- Set RETRANS T4 to be used in SIP.

```
SIP : RE-TRANS T4
05000 MS
```

- Set GEN LINGER TM to be used in SIP.

```
SIP : GEN LING TM
00600 MS
```

- Set INV LINGER TM to be used in SIP.

```
SIP : INV LING TM
001000 MS
```

- Set GEN NO RESP to be used in SIP.

```
SIP : GEN NO RESP
005000 MS
```

- Set INV NO RESP to be used in SIP.

```
SIP : INV NO RESP
006000 MS
```

- Set REQ RETRY to be used in SIP.

```
SIP : REQ RETRY
005000 MS
```

- Set PROVISIONAL TIME to be used in SIP.

```
SIP : PROVISIONAL
180000MS
```

MMC: 845-COMBO

RELATED PROGRAMS:

MMC 846 WIP INFO
MMC 847 WLAN RESET
MMC 848 WLAN IP/MAC

MMC: 845-DUAL-BAND WLI PARAMETERS

DESCRIPTION:

This program provides detail parameters for WLAN settings.

<WLAN Parameter>

No.	Parameter	Description
01	CODEC LIST	CODEC used in a VoIP call between WBS24 and WIP-5000M. Currently, it is possible to set G.729A only
02	VERSION	Indicates the WLAN module version
03	MAX AP CH	Maximum channel per AP
04	WLAN SWITCH	Enable or disable the use of WLAN switch

According to the AP type, CWBS is displayed if WBS24 is set to Combo, and BWBS if set to Basic on the LCD display. The AP type can be set in [AP TYPE] of [MMC 849].

<SIP Parameter>

Normally, use the default without change.

No.	Parameter	Description
1	GEN NO RESP	Waiting time before canceling the SIP Request.
2	INV NO RESP	Waiting time before canceling the SIP INVITE Request.
3	REQ RETRY	Waiting time before the final response to the SIP Request is received.
4	PROVISIONAL	When receiving the Provision Response, User Agent should wait during this time before Timeout expires.
5	RE-TRANS T1	When using Unreliable transmission protocol such as UDP, retransmission is performed if there is no response after transmission. RE-TRANS.T1 TIME is the Initial Retransmission Interval defined in RFC2543.
6	RE-TRANS T2	Maximum Retransmission Interval defined in RFC 2543.
7	RE-TRANS T4	Available for multiple purposes in RFC 2543. This parameter is used as time when User Agent Server(UAS) receives the ACK message and waits in the Unreliable transmission protocol.

MMC: 845-DUAL-BAND

No.	Parameter	Description
8	GEN RING TM	In the Unreliable transmission protocol, it is not sure that the client receives a response after the server sends the last response. At this time, the server should retransmit a response during this time until it receives the requested retransmission. For example, it is the time to send INFO 200 OK and wait.
9	INV RING TM	In the Unreliable transmission protocol, it is not sure that the server receives the ACK message after the client sends INVITE Final Response ACK. It is the waiting time after the client sends Final Response ACK.

PRECONDITION

None

DEFAULT

<WLAN Parameter>

No.	Parameter	Settings
1	CODEC LIST	CODEC 1: G.729A
2	VERSION	-
3	MAX AP CH	00 (No Limitation)
4	WLAN SWITCH	Disable

<SIP Option>

Parameter	Settings
RE-TRANS T1	000500 ms
RE-TRANS T2	004000 ms
RE-TRANS T4	005000 ms
GEN LING TM	006000 ms
INV LING TM	001000 ms
GEN NO RESP	005000 ms
INV NO RESP	006000 ms
REQ RETRY	005000 ms
PROVISIONAL	180000 ms

MMC: 845-DUAL-BAND

ACTION	DISPLAY
1. Select the MMC number [845].	845: WLAN PARA SELECT PROG ID
2. Select RF channels for APs.	WLAN: RF CHANNEL USE CH1:01
• Select a voice CODEC to be used while busy. For CODEC, only G.729A can be selected.	WLAN : CODEC LIST CODEC 1: G.729A
• Assign RF channel for the system.	WLAN : RF CHANNEL USE CH 1: 01
• The version information of the WLAN.	WLAN : VERSION 2005.08.31 v2.00
• Concurrent voice conversation per AP. The quality of voice and data may suffer if more than 8 is used per AP.	WLAN : MAX AP CH. 08 (00:NO LIMIT)
• Enable or disable the use of WLAN switch.	WLAN : WLAN SWITCH DISABLE
3. Set the following items in the SIP menu:	
• Set GEN NO RESP to be used in SIP.	SIP : GEN NO RESP 005000 MS
• Set INV NO RESP to be used in SIP.	SIP : INV NO RESP 006000 MS
• Set REQ RETRY to be used in SIP.	SIP : REQ RETRY 005000 MS
• Set PROVISIONAL TIME to be used in SIP.	SIP : PROVISIONAL 180000MS
• Set RETRANS T1 to be used in SIP.	SIP : RE-TRANS T1 000500 MS
• Set RETRANS T2 to be used in SIP.	SIP : RE-TRANS T2 004000 MS

MMC: 845-DUAL-BAND

- Set RETRANS T4 to be used in SIP.

```
SIP : RE-TRANS T4
05000 MS
```

- Set GEN LINGER TM to be used in SIP.

```
SIP : GEN LING TM
00600 MS
```

- Set INV LINGER TM to be used in SIP.

```
SIP : INV LING TM
001000 MS
```

RELATED PROGRAMS: MMC 846 WIP INFO
MMC 848 WLAN IP/MAC

MMC: 846 WIP INFO

DESCRIPTION:

[MMC846] is used to display the WIP-5000M information and set some parameters. You can change USER ID, PASSWORD, and INSERT DGT.

No.	Parameter	Description
0	REGISTERED	Indicates whether the corresponding WIP-5000M is registered
1	LOCATED	Indicates whether the corresponding WIP-5000M is currently connected to the system
2	PHONE TYPE	Indicates the type of the corresponding WIP-5000M phone
3	WLI NUMBER	Number of WLI connected to WBS24 in service in the section where WIP-5000M is being used
4	WBS NUMBER	Number of WBS24 in service in the section where WIP-5000M is being used
5	IP OFFSET	Location of the IP pool where the IP assigned to WIP-5000M is located
6	IP ADDRESS	IP address assigned to the registered WIP-5000M
7	MAC ADDR	MAC address of the registered WIP-5000M
8	USER ID	Sets ID by the WIP-5000M user
9	PASSWORD	Sets password by the WIP-5000M user
10	INSERT DGT	If the number of digits you pressed when originating a call in WIP-5000M is more than 5, the set INSERT DGT is inserted before the number you pressed. However, the number you pressed should not be C.O. Line number, C.O. Line group number, LCR, network LCR, or number starting with the function code

ACTION **DISPLAY**

1. Select the MMC number [846].

```
[3301] REGISTERED
NO
```

2. Select a desired WIP-5000M number. Or select a desired WIP-5000M number using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.

```
[3301] REGISTERED
NO
```

MMC: 846

3.	Enter a desired item number. Or select a desired item using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.	[3301] LOCATED DETACH
4.	Display handset phone type.	[3301] PHONE TYPE
5.	Display handset associate WLI number.	[3301] WLI NUMBER
6.	Display handset associate WBS number.	[3301] WBS NUMBER
7.	Display handset IP offset from the first one.	[3201] IP OFFSET
8.	Display handset IP address.	[3201] IP ADDRESS 0. 0. 0. 0.
9.	Display handset MAC address.	[3201] MAC ADDRESS 0000 0000 0000
10.	Handset registration ID can be viewed and changed.	[3201] USER ID 1212
11.	Handset registration password can be viewed and changed.	[3201] PASSWORD 0000

RELATED PROGRAMS

MMC 845 WLAN PARA
MMC 847 WLAN RESET
MMC 848 WLAN IP/MAC
MMC 849 WLAN CONFIG

MMC: 847 WLI RESET

DESCRIPTION:

(NOT SUPPORTED ON OS 7400)

	ACTION	DISPLAY
1.	Select the MMC number [847].	847: WLI RESET SELECT PROG ID
2.	Press the [SPK] button and move to the Select menu. Press the Soft button to check if WLI is initialized. If you press the Soft button or [1] to select YES, WLI will be initialized.	RESET : WLI : 1 RESET NOW ? NO
3.	If you press the Soft button or [1] to select YES, WBS24 will be initialized.	RESTART CWBS : 01 RESET NOW ? NO
4.	The current status of WLI is displayed.	STATUS: WLI C1S1 C1S2 OFF
5.	The current status of WBS24 connection is displayed.	STATUS: CWBS:01 -> N N N N N N N N

RELATED PROGRAMS

MMC 846 WIP INFO
MMC 848 WLAN IP/MAC
MMC 849 WLAN CONFIG

MMC: 848 WIP LISTS

DESCRIPTION:

[MMC848] is used to view a list of IP assigned to WLI or set a new IP. The IP list can be entered up to 100. In addition, [MMC848] is used to set the MAC address of the wireless data terminal in order to use the wireless LAN.

	ACTION	DISPLAY
1.	Select the MMC number [848].	848: WLAN IP/MAC SELECT PROG ID
2.	If you select the IP address entry, select the index number of the mobile phone. Or select a desired index using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.	IP:002 USED 0. 0. 0. 0
3.	Enter the IP address to be used in the wireless terminal.	IP:002 USED 165.213.145.002
4.	If an IP is entered in the wireless terminal and registered in the system, the station number is displayed.	IP:002 USED:3301 165.213.145.002
5.	Press the [TRSF] button to save date and exit the program, or press the [SPK] button to save data.	

RELATED PROGRAMS MMC 846 WIP INFO
MMC 847 WLAN RESET
MMC 849 WLAN CONFIG

MMC: 849-COMBO WLI REGIST

DESCRIPTION:

(NOT SUPPORTED ON OS 7400)

Parameter	Description
REGISTER VoWLAN	Sets whether to permit the new registration of WIP-5000M. If this parameter is disabled, it is impossible to assign and register the WIP-5000M IP as well as WBS24 IP.
WIP REGIST CLEAR	Clears the registration according to WIP-5000M. The De-registration mode includes ‘FORCED’ and ‘NORAML’. The FORCED mode is used to clear the system-related DB in order to register a new WIP-5000M due to the damage of WIP-5000M. The NORMAL mode is used to clear both the system DB and WIP-5000M DB by exchanging messages between the system and WIP-5000M.
WBS WEP SERVICE	Enables the WBS24 Security. Enter the WEP key in advance.
WEP KEY	The WEP key is used to check the WBS24 Security, and 13 digits should be all entered.
STATIC WBS IP	Sets whether to use a static IP in WBS. This is used for BASIC type and not used for COMBO. This value should be set in advance before registering WIP-5000M.
STATIC WIP IP	Sets whether to use a static IP in WIP-5000M. This value should be set in advance before registering WIP-5000M.
SELECT AP TYPE	Selects the AP type to be used if only one type of AP is simultaneously available in one system. When changing the AP type, restart the system (Mandatory option item). This value should be set first when setting WLAN.

MMC: 849-COMBO

	ACTION	DISPLAY
1.	Select the MMC number [849].	849: WLAN CONFIG SELECT PROG ID
2.	Press the [SPK] key to move to the Select menu.To activate registration, enter passcode first. Default is 0000.	ENTER PASSWORD ****
3.	Select whether to enable or disable WIP-5000M registration.	REGISTER VoWLAN ENABLE
4.	Clear the registration of the handset.	WIP REGIST CLEAR 3301: FORCED
5.	If the WEP key is set, select WEB ENABLE.	WBS WEP SERVICE DISABLE
6.	If you want to select ENCRYPTION, set the WEP key first. Enter 13-digit number.	WEP KEY
7.	Select whether to use a Static WBS IP. This function is not available for COMBO IP.	STATIC WBS IP DISABLE
8.	Select whether to use a Static WIP IP.	STATIC WIP IP DISABLE
9.	Select the type of AP to be installed. BASIC type is not available to North America.	SELECT AP TYPE COMBO AP

RELATED PROGRAMS:

MMC 846 WIP INFO
MMC 847 WLAN RESET
MMC 848 WLAN IP/MAC

MMC: 849-DUAL-BAND WLI REGIST

DESCRIPTION:

[MMC849] is used to select AP type and de-register handsets.

Parameter	Description
REGISTER VoWLAN	Sets whether to permit the new registration of WIP-5000M. If this parameter is disabled, it is impossible to assign and register the WIP-5000M IP.
WIP REGIST CLEAR	Clears the registration according to WIP-5000M. The De-registration mode includes 'FORCED' and 'NORAML'. The FORCED mode is used to clear the system-related DB in order to register a new WIP-5000M due to the damage of WIP-5000M. The NORMAL mode is used to clear both the system DB and WIP-5000M DB by exchanging messages between the system and WIP-5000M.
STATIC WIP IP	Sets whether to use a static IP in WIP-5000M. This value should be set in advance before registering WIP-5000M.
SELECT AP TYPE	Selects the AP type to be used if only one type of AP is simultaneously available in one system. When changing the AP type, restart the system (Mandatory option item). This value should be set first when setting WLAN. Select Dual AP for SMT-R2000.

	ACTION	DISPLAY
1.	Select the MMC number [849].	**849: WLAN CONFIG** **SELECT PROG ID**
2.	Press the [SPK] key to move to the Select menu.To activate registration, enter passcode first. Default is 0000.	**ENTER PASSWORD** ********
3.	Select whether to enable or disable WIP-5000M registration.	**REGISTER VoWLAN** **ENABLE**
4.	Clear the registration of the handset.	**WIP REGIST CLEAR** **3301: FORCED**
5.	Select whether to use a Static WIP IP.	**STATIC WIP IP** **DISABLE**

MMC: 849-DUAL-BAND

6. Select the type of AP to be installed. BASIC type is not available to North America.

```
SELECT AP TYPE
DUAL AP
```

RELATED PROGRAMS: MMC 846 WIP INFO
MMC 848 WLAN IP/MAC

MMC: 850 SHOW SYSTEM RESOURCES

DESCRIPTION:

This MMC is used to review available system resources. This is a READ ONLY MMC and will display the number of free and used system resources.

SYSTEM RESOURCES

DTMFR DSP's	USE: XXX	FREE: XXX
CID (Caller ID) DSPs	USE: XXX	FREE: XXX
R2MFC DSP'S	USE: XXX	FREE: XXX
CONF GROUPS	USE: XXX	FREE: XXX

PROGRAM KEYS

UP & DOWN	Used to scroll through resource options
SPEAKER	Used to advance to next MMC.

ACTION **DISPLAY**

1. Press TRANSFER 850.
   Display shows.

   ```
   DTMFR DSP's
   USE:000 FREE:004
   ```

2. Press UP or DOWN arrows to scroll through other resources.

   ```
   CID DSP's
   USE:000 FREE:000
   ```

   To exit press TRANSFER to exit
   OR
   Press SPEAKER to advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 851 ALARM REPORTING

DESCRIPTION:

This MMC is used to view, store, print or clear system alarms. There are two levels of faults displayed via alarm code, major alarms and minor alarms. Major alarms codes are usually service affecting and require a certified technician to determine the fault. A minor alarm indicates a fault that may or may not be service affecting and usually does not seriously degrade the systems operating capabilities. The alarm buffer will hold up to 100 alarms on a first in - first out (FIFO) basis. Alarms will provide a date and time stamp based on the system time. If applicable the hardware cabinet, port, and/or slot will be displayed.

ALARM REPORTING OPTIONS (Select one of the options)

0	VIEW ALARM	View alarm buffer
1	OVERFLOW CONTROL	OVERWRITTEN – When buffer is full, the oldest entry in buffer overwritten. STOP RECORDING – When buffer is full, stop recording alarms.
3	CLEAR ALARM BUF	Clears alarm buffer.
4	PRINT ALARM BUF	Prints contents of alarm buffer to the assigned alarm IO port.

ALARM CODE LOCATION DEFINITION (See Alarm Code Table)

C: Cabinet number
S: Slot number
P: Port number

Note: Cabinet, slot and port do not apply to all alarm codes

MMC: 851

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 851. Display shows.	SYS ALARM REPORT VIEW ALARMS
2. Enter desired option or press the up and down keys and press the RIGHT soft key to select the desired option.	SYS ALARM REPORT VIEW ALARMS
3. System displays the alarm count number, date and time stamp (uses station, configuration for display format, date, time will be 24 hour format). Alarm type and cause code will display.	[01] 02/18 14:30 MNF02 C1-S5
4. Press UP or DOWN arrows to scroll through other alarms.	[02] 02/18 14:36 MNE05 C1-S05-P16
5. To return to Alarm Options, press left soft key and choose new option OR Press TRANSFER to exit OR Press SPEAKER to advance to next MMC.	

DEFAULT DATA: ALARM BUFFER OVERWRITTEN

RELATED ITEMS: MMC 852 ALARM KEY ASSIGNMENTS

MMC: 852 SYSTEM ALARM ASSIGNMENTS

DESCRIPTION:

This MMC allows the assignment of system alarms to ring and display the alarms on stations that have the Alarm Key assigned. The System Alarm Key is programmed in Station Key Assignments (MMC 722). System Alarm key programming is tenant wide (tenant 1 and 2). Alarms not programmed to report to the System Alarm key will still be retained in the maintenance alarm buffer for Alarm Reporting (MMC 851). The alarm buffer will hold up to 100 alarms on a First In - First Out (FIFO) basis. Pressing the System Alarm key will silence the audible alarm until another alarm is generated by the system. The specific fault alarm data can be displayed via MMC 851 System Alarm Reporting.

NOTE: 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.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 852. Display shows.	**01:MJA01 ACT:OFF** **POR Restart**
2. Enter desired Alarm Display number (eg. 16) OR Press the up and down keys to select desired option and press the right soft key and to advance the cursor.	**16:MJC05 AC:OFF** **AC Pwr Loss**
3. To select if the alarm is active press 1 for YES and 0 for NO. An entry will advance the cursor to return to step 2.	**16:MJC05 AC:OFF** **AC Pwr Loss**

MMC: 852

4. Press UP or DOWN to select desired option
   OR
   Press TRANSFER to return to normal display
   OR
   press SPEAKER to advance to next MMC.

```
16:MJC05 AC:OFF
AC Pwr Loss
```

DEFAULT DATA: **ALL OFF**

RELATED ITEMS

- MMC 501 SYSTEM TIMERS (ALARM REMINDER INTERVAL, ALARM REMINDER RING OFF TIMERS)
- MMC 722 STATION KEY ASSIGNMENT
- MMC 723 SYSTEM WIDE KEY ASSIGNMENTS
- MMC 851 SYSTEM ALARM REPORTING
- MMC 853 MAINTENANCE BUSY

MMC: 852

ALARM CODE DEFINITIONS

ALM NO.	ALM CODE	ALARM	DEFINITION
01	MJA01	POR Restart	MCP restart process has been executed via power on restart (POR).
02	MJA02	Button Restart	MCP restart process has been executed via button reset or MMC 811.
03	MJA03	Mem Reset	The system RAM has been cleared via manual programming (OfficeServ™ WebMMC) resulting in a system reset.
04	MJA04	Watchdog Reset	The MCP has reset (Watchdog Reset)
05	MJA05	LCP Reset	An LCP has reset
06	MJA06	PCM Switching	A fault has occurred in the Switching Control.
	MJA10	S/W Exception Err	Other kinds of System Restarts
08	MJB01	HDLC Com Error	Communications to Expansion Control Processor lost or faulty.
09	MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MCP.
10	MJB03	Memory Alarm 2	
11	MJB04	Memory Alarm 3	
12	MJB05	Memory Alarm 4	
13	MJB06	IPC MSGQ Over	The IPC message queue is over 80% full
14	MJB07	Task MSGQ Over	The IPC message queue is now back under 80% full
15	MJC01	DTMF Fault	*An abnormal interrupt has occurred in the system DTMF resources*.
16	MJC02	Tone Fault	*An abnormal interrupt has occurred in the system tone resources. IE busy, ringback, error, no more calls etc.*
17-23	NOT USED		
24	MJC10	AA-DTMF Fault	An abnormal fault reported in one of the systems AA card DTMF resources.
25	MJC11	AA-DTMF Rec	An abnormal fault reported in one of the systems AA card DTMF resources has recovered.
26	MJC12	E911 Restart	An E911 card has rebooted
27	MJC13	E911 Block	An E911 card could not be accessed
28-29	NOT USED		
30	MJC16	WLI Restart	The WLI card has restarted
31	MJC17	WLI Block	The WLI card could not be accessed
32	MJD01	Sync Failure	Clocking on T1/PRI cards has become asynchronous.
33	MJD02	Sync Recovery	Clocking on T1/PRI cards has become synchronous.

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
34	MJD03	Red Alarm	Locally detected loss of PCM carrier on T1/PRI card for more than 250 ms. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
35	MJD04	Red Alarm Rec	PCM carrier detected locally on T1/PRI cards. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
36	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on T1/PRI card. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
37	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on T1/PRI card. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
38	MJD07	Blue Alarm	All one's being transmitted on facility on T1/PRI card. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
39	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
40	MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds $1x10^{-6}$ errors. Note: $1x10^{-6}$ is threshold for minor alarm, 1×10^{-3} is threshold for major alarm errors on T1,PRI or BRI.. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
41	MJD10	NTWRK Event	An Implausible event has occurred on the PRI or BRI Network digital line. Protocols do not match or subscriber ID mismatch. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
42	MJD11	SPID Init Err	The BRI received an error from the network *Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10),Channel(1 through 16)*
43	MJD12	SPID Init Rec	The BRI has recovered from an error on the network *Alarm Data = Cabinet, Slot Channel C1,2 (S1 through 10),C (1 through 16)*

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
44	MJD13	LPBK Error	Internal on demand loopback failed. *Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 24)*
45	MJD14	LPBK Recovery	Internal on demand loopback test passed. *Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 24)*
46	MJD15	BRI DL Unavail	A BRI data link is out of service. *Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 16)*
47	MJD16	BRI DL Recovered	A BRI data link is back in service. *Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 16)*
48	MJD17	RAM Error	An error has occurred in the T1/PRI or BRI card RAM. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
49	MJD18	T1 Restart	The T1 card has restarted *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
50	MJD19	PRI Restart	The PRI card has restarted *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
51	MJD20	BRI Restart	The BRI card has restarted *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
52	MJD21	PCM Loss	Loss of PCM coding on a digital facility. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
53	MJD22	PCM Recovery	Recovery of PCM coding on a digital facility. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
54	MJE01	MGI Restart	An MGI card has restarted.
55	MJE02	MGI Stop	An MGI card has stopped.
56	MJE03	MGI IP Duplicate	MGI IP address conflict.
57	MJE04	MGI Ntwk Error	
58	MJE05	MGI Ntwk Rec.	MGI Recovery.
59	MJE06	MGI DSP Error	
60	MJE07	MGI DSP Run	

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
	MJE10	SVMi Card Restart	Card Restarted
	MJE11	SVMi Card Halt	Card Halted
	MJE12	SVMi Card Down	Card When Down
	MNF32	SVMi Card Ready	[SVMi-16 Only] Alarm Code when SVMi-16 is Ready.
	MNF33	SVMi Card Request	Alarm Code when SVMi card request the number to MCP after restarting.
61	MNF01	Card Out	A circuit card mounted in a universal slot has been removed from service or is not recognized by the Common Control Processor *Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)*
62	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. *Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)*
63	MNF03	IPC Error	Inter processor communication error has occurred. *Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)*
64	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. *Alarm Data = Cabinet-Slot Port (C1,2)-(S1 through 10), (P1 through 16)*
65	MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. *Alarm Data = Cabinet-Slot Port (C1,2)-(S1 through 10), (P1 through 16)*
66	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. *Alarm Data = Cabinet, Slot Port (C1,2)-(S1 through 10), (P1 through 16)*
67	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. *Alarm Data = Cabinet, Slot Port (C1,2)-(S1 through 10), (P1 through 16)*
68	MNF08	SIO TXQ Over	SMDR buffer above 80% capacity.
69	MNF09	SIO TXQ Under	SMDR buffer below 80% capacity.
70	MNF10	T1 Out of Service	A T1 digital line is out of service
71	MNF11	T1 In Service	T1 Digital line has been restored to normal service. *Alarm Data = Cabinet,Slot (C1-2,S1 through 10)*

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
72	MNF12	SIO Out	IO port has lost DTR *Alarm Data = SIO 1 through 6*
73	MNF13	SIO In	IO port has regained DTR. *Alarm Data = SIO 1 through 6*
74	MNF14	TODC Error	Time of Day Clock in the MCP has erred.
75	MNF15	TSW Over Alarm	TSW has been requested to exceed the capacity of available time slots. Maximum 192 per cabinet. *Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)*
76	MNF 16	PSU Alarm	Indicates there are over 96 ports in a cabinet with a single DPCU and more power is required. (DLI,SLI ports) *Alarm Data = Cabinet (1,2)*
77	MNF 17	PSU Alarm Rec	A second DPCU has been recognized when added after alarm condition of *Alarm Data = Cabinet (1,2)*
78	MNF 18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. *Alarm Data = Cabinet, Slot Port (C1,2) (S1 through 10) (P1 through 24)*
79	MNF 19	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 (C1,2) (S1 through 10) (P1 through24)*
80	MNF 20	PSU B Alarm	A second PSUB is required
81	MNF 21	DSS Alarm	The number of DSS units has been exceeded
82	MNF 26	SIO RxQ Over	The SIO receive buffer is over 80% full
83	MNF 27	SIO RxQ Under	The SIO receive buffer is back under 80% full
84	MNF 28	LAN Printer Err	A LAN printer has lost communication
85	MNF 29	LAN Printer Rec	A LAN printer has recovered communication
86	MNG 01	Phone Disconnect	
87	MNG 02	Phone Connect	
88	MNG 03	OFF Hook Alarm	
89	MNG 04	On Hook	
90	MNG 05	MGI Packet Loss	

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
91	MNG 06	MGI Packet Delay	

MMC: 853 MAINTENANCE BUSY

DESCRIPTION:

This MMC is used to place stations, trunks, and common resources equipment in a maintenance busy condition. This can be used to isolate suspected intermittent problem equipment. Stations placed in maintenance busy will behave like a station in DND when called. The calling stations display (if equipped) will show "MADE BUSY" when called. Stations receiving DID or E&M type calls will receive a DND/ No more calls tone. The station display will still function with station and date. When the busy station is accessed, it will function like a locked out station. Trunks made busy can not originate calls. Ring down type trunks will still ring the programmed destination. Common resource equipment such as DSP's, CID DSP's and miscellaneous equipment such as page ports, voice mail card ports can also be placed in a maintenance busy state.

MAINTENANCE BUSY OPTIONS

0. TRK	=	Trunks
1. STN	=	Stations
2. PAGE	=	Page Ports
4. DTMFR:DSP	=	DSP # 01-48
5. CID:DSP	=	CID DSP # 01-42
6. R2MFC:DSP	=	R2MFC:DSP # 01-08
7. CONF:GRP	=	CONF:GRP #01-24
8. MGI		

NOTE: Selectable conditions 0 = idle state
1 = busy state

NOTE: In cases of DSP/ CID DSP selection when DSP is not mounted display will show NONE. If mounted display will show IDLE by default.

PROGRAM KEYS

UP & DOWN	Scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor or select option
SPEAKER	Used to advance to next MMC
TRANSFER	Exit

MMC: 853

ACTION	DISPLAY
1. Press TRANSFER 853. Display shows busy functions.	MAINTENCE BUSY TRK :NONE ->
2. Press UP or DOWN to select function and press RIGHT soft key to move cursor.	MAINTENCE BUSY STN :NONE ->
3. Enter station number OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	MAINTENCE BUSY STN :201->IDLE
4. Press 1 to make busy or 0 to make idle OR Press UP or DOWN to select condition and press RIGHT soft key enter and to move cursor.	MAINTENCE BUSY STN :201->BUSY
5. Press UP or DOWN to select another area OR	MAINTENCE BUSY STN :201->BUSY
6. Press TRANSFER to exit Press SPEAKER to advance to the next MMC.	

DEFAULT DATA: **ALL IDLE**

RELATED ITEMS: MMC 851 ALARM REPORTING
MMC 852 ALARM KEY ASSIGNMENTS

MMC: 854 DIAGNOSTIC TIME

DESCRIPTION:

Provides a means to set the OfficeServ 7400 Diagnostic Time. The OfficeServ 7400 diagnostics tests include memory audits, internal loopback tests on digital trunks, DSP, CID DSP. Additional tests include CODEC tests on analog trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the test and retry during the next programmed diagnostic time. It is recommended to assign the diagnostic time during non-peak traffic periods.

DIAL PAD DAY SELECTION:

0= Sunday	2 = Tuesday	4 = Thursday
6 = Saturday	1= Monday	3 = Wednesday
5 = Friday		

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 854. Display shows.	DIAGNOSTIC TIME SUN: :
2. Press RIGHT soft key to move cursor.	DIAGNOSTIC TIME SUN: :
3. Enter military time hour via the dial pad. Cursor will advance to next entry.	DIAGNOSTIC TIME SUN:23:
4. Enter military time minutes via the dial pad. Cursor will advance to Step 1.	DIAGNOSTIC TIME SUN:23:30
5. Press UP or DOWN key to make selection. Press RIGHT soft key to make change and return to step 2 OR	DIAGNOSTIC TIME WED: :

MMC: 854

6. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NO DIAGNOSTIC TIME SET**

RELATED ITEMS: **MMC 852 MAINTENANCE ALARMS**
MMC 853 ALARM KEY ASSIGNMENTS

MMC: 855 SYSTEM HARDWARE OPTIONS

DESCRIPTION:

This MMC provides a means to review the common use hardware that is mounted in the system. System Options show miscellaneous hardware and daughterboards. This enables the technician to review the availble hardware without having to dismantle or power down the system to confirm if the hardware is mounted. This is a READ ONLY MMC.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 855. Display shows.	**SYSTEM OPTIONS** **C1-LP LOC 1:CRM**
2. Press UP or DOWN key to view options.	**SYSTEM OPTIONS** **C1-LP LOC 3:NONE**
3. Press UP or DOWN key to view options OR	**SYSTEM OPTIONS** **C1-LP LOC 2:RCM2**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 856 TECH PROGRAMMING LOGS

DESCRIPTION:

This MMC lists the date, time and entry location of the last 8 times that technician programming was accessed. This will allow a technician to determine if there was unauthorised access to system programming and where this access occurred. The information stored in this log will consist of 2 elements, the date and time it occurred at and the access location.

There are 4 types of access location information as described below:

NNNN This would be the extension number of a keyset that had accessed programming directly.

LAN This would indicate that programming was accessed by OfficeServ™ WebMMC via the LAN connection.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 856. Display shows.	(1) 10/30 01:24 207:10/30 01:25
2. Enter index number (e.g., 3) OR Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	
3. Press TRANSFER to exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 856

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 857 VIRTUAL CABINETS

DESCRIPTION:

Any device or resource on the OS7400 that does not have a physical port connection will now be found in the Virtual Cabinet Items found in the virtual cabinets are logical devices such as virtual extensions, logical resources such as VoIP trunks and SPnet trunks, or logical connections that connect to IP phones.

- Cabinets 4 and 5 are “Virtual Cabinets”
- Each Virtual Cabinet has 12 slots with 32 logical ports per slot. The slots are numbered 1 ~ 12.

Use this MMC to modify and configure Virtual cabinets.

MMC 857 configuration directly affects the appearance in the numbering plan (MMC 724) for these devices.

The virtual assignments with the default settings are shown below:

virtual cabinet	slot 1	slot 2	slot 3	slot 4	slot 5	slot 6	slot 7	slot 8	slot 9	slot 10	slot 11	slot 12
4	SLT	SLT	SLT	SLT	SLT	SLT						
	DGT	DGT	DGT	DGT	DGT	DGT	DGT	DGT	DGT	DGT	DGT	DGT
	ITP	ITP	ITP	ITP	ITP	ITP	ITP	ITP	ITP	ITP	ITP	ITP
							WIP	WIP	WIP	WIP	WIP	WIP
5	ITP	ITP	ITP									
	SIP-S	SIP-S	SIP-S	SIP-S	SIP-S	SIP-S						
			IPUMS	IPUMS								
				S0STN	S0STN	S0STN	S0STN					
					GCONF	GCONF	GCONF	GCONF				
						SPNET	SPNET	SPNET	SPNET	SPNET	SPNET	SPNET
									SIP-T	SIP-T	SIP-T	SIP-T
											H323	H323

: default

MMC: 857

VIRTUAL ASSIGNMENT TYPES:

SLT: Virtual extension (Single Line Telephone)
DGT: Virtual extension (Digital Telephone)
ITP: ITP Phone extensions
WIP: Wireless handset extensions
SIP-S: SIP Stations (For Future use)
IPUMS: Unified Messaging Server (For Future Use)
SOSTN: *Not used in the U.S.*
GCONF: Group Conference resource
SPNET: SPNet IP trunk for system networking
SIP-T: SIP IP Trunk numbers
H323: H.323 IP trunk numbers

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 857. Display shows.	**C4-S01:SLT** **SLT**
2. Enter number 4-5 for cabinet number And enter 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 key.	**C4-S01:SLT** **DGP**
4. Press TRANSFER button to save and exit OR Press SPEAKER button to advance to the next MMC.	

MMC: 857

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 724 NUMBER PLAN**
MMC 822 VIRTUAL EXTENSION TYPE

MMC: 859 HARDWARE VERSION

DESCRIPTION:

This MMC displays the software version of the BIOS chip of each of the cards in the system.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION

1. Press TRANSFER 859.
   Display shows.

2. Press UP or DOWN key to view software version.

3. Press TRANSFER to store and EXIT
   OR
   Press SPEAKER to advance to next MMC.

DISPLAY

```
EPLD/PCB VERSION
MP40 CARD      :V31
```

DEFAULT DATA: NONE

RELATED ITEMS NONE

MMC: 860 UCD VIEW SERVICE

This program was used for interfacing
serial CTI applications and is now obsolete.
This program will be removed in future software versions.

MMC: 861 SYSTEM OPTION

DESCRIPTION:

Assigns several options (listed below) on a system wide basis.

OPTIONS

0	AUTO UPDATE TIME	When this option is set to ENABLE The system will synchronize the system time and date setting to the data received on an ISDN call connect message. If a system has multiple PRI cards the PRIORITY 1 setting in MMC 826 will determine the card used.
1	SYSTEM SPEED BIN	When this option is set to 500 The system will have a maximum of 500 system speed dial bins numbered 500 to 999. When set to 950 the system will have a maximum of 950 system speed dial bins numbered 050 to 999. Station speed dial bins will be 000 to 049. Note: Personal speed dial number changes from 2 digits to 3 digits when 950 is selected.
2	IDLE WHEN ENBLOCK	When this option is enabled the ITP-5121D keyset will receive incoming calls when dialing out before the SEND button is pressed. When disabled an incoming call will appear as a call waiting call if idle CALL key is available. Note: This option has no effect if #3 below is disabled.
3	2 LINE ENBLOCK	When this option is enabled the ITP-5121D keyset can dial a telephone then press the SEND button to place the call. This operates like a cell phone. When disabled the ITP-5121D sends each digit as you dial it.
	2 ZONE EXT PAGE	Use LB for Page.

MMC: 861

4	LP TRK TONE DISC	When this is set to ON loop trunk can be disconnected by detecting busy tone.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 861. Display shows.	**AUTO UPDATE TIME DISABLE**
2. Dial option number from above list (0–3) OR Press UP or DOWN key to select option and press RIGHT soft key to move cursor.	
3. Press UP or DOWN key to select and press RIGHT soft key to return to step 2.	**SYSTEM SPEED BIN MAX 500**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:
AUTO TIME UPDATE DISABLE
SYSTEM SPEED BIN MAX 500
IDLE WHEN ENBLOCK DISABLE
2 LINE ENBLOCK DISABLE
2 ZONE EXT PAGE: USE LB FOR PAGE
LP TRK TONE DISC: DISABLE

RELATED ITEMS:
MMC 110 STATION ON & OFF
MMC 606 ASSIGN SPEED BLOCK
MMC 705 ASSIGN SYSTEM SPEED DIAL

MMC: 865 FAN POWER CONTROL

DESCRIPTION:

This MMC is the program that can control power of FAN located in the cabinet.

CONDITIONS

NONE

DEFAULT DATA

NONE

ACTION	DISPLAY
1) Press Transfer button and enter 865. Display shows:	FAN PWR CONTROL CABINET1 FAN:OFF
2) Select the cabinet number.(1~3) OR Press Volume button to select and press Right Soft button to move cursor.	FAN PWR CONTROL CABINET1 FAN:OFF
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.	FAN PWR CONTROL CABINET1 FAN:ON
4) Press Transfer button to save and exit. OR Press Speaker button to advance to next MMC.	

RELATED ITEMS

NONE

MMC: 889 DISPLAY SERVER STATUS

DESCRIPTION:

This MMC displays the history of connection and disconnection to the Data Server and Feature Server with the MCP card. Also allows you to clear the recorded history log.

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

MMC: 890 PORT CLEAR

DESCRIPTION:

This program allows the user to initialize items related to call process or DB for specific station or C.O. line. This will return the port to default condition.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 890. Display shows.	[201] CALL CLEAR ARE YOU SURE?NO
2. Enter the station or C.O. line OR Press VOLUME to select the station or C.O. Line and press the RIGHT soft button to move the cursor.	[202] CALL CLEAR ARE YOU SURE?NO
3. Select [0] to initialize the call process part OR [1] to initialize DB.	[202] DB INITIAL ARE YOU SURE?NO
4. Press [1] to initialize, or [0] to cancel.	[202] DB INITIAL ARE YOU SURE?YES
5. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: NONE

RELATED ITEMS NONE

MMC: 900 CLEAR SYSTEM PASSCODE

DESCRIPTION:

This is a program used to delete the passcode when the user has forgotten his or her program passcode. A new passcode should be entered since the passcode is set as the default value when cleared.

The three types of programs that can clear the passcode are listed below.

0	TECH. CODE	Technician program passcode
1	CUS. 1 CODE	Operator program passcode of tenant 1
2	CUS. 2 CODE	Operator program passcode of tenant 2

Caution: Contact your reseller for professional assistance when changing the system program passcode.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 900. Display shows.	**CLEAR PASSCODE** **PASSCODE:_**
2. Enter the passcode.	**CLEAR PASSCODE** **TECH. CODE:******
3. Enter the program type ([0]-[2]) OR Press VOLUME to select the program type and press the RIGHT soft button.	**CLEAR PASSCODE** **TECH. CODE:******
4. Press HOLD to initialize the passcode.	**CLEAR PASSCODE** **TECH. CODE:4321**
5. Press TRANSFER to exit the program.	

MMC: 900

DEFAULT DATA: NONE

RELATED ITEMS MMC 201 CHANGE OPERATOR PROGRAM PASSCODE
MMC 801 CHANGE TECHNICIAN PROGRAM PASSCODE