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PROGRAMMING SECTION

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PART 1. INTRODUCTION TO PROGRAMMING

1.1 PROGRAMMING OVERVIEW

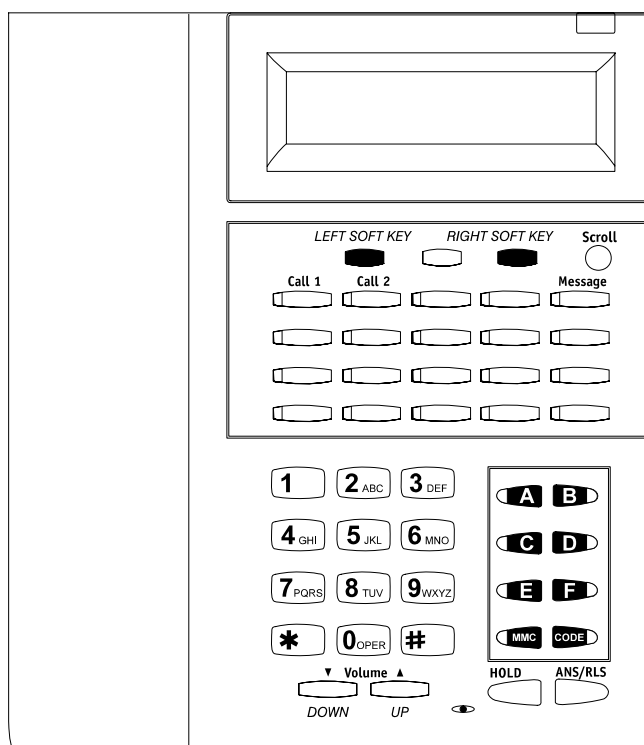
The OfficeServ 7200 system arrives from the factory with default data. Connect it to trunks, stations and power, turn the system on and it is fully operational. The only thing left to do is customize the data to fit the customer's needs. This is called programming the system.

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.

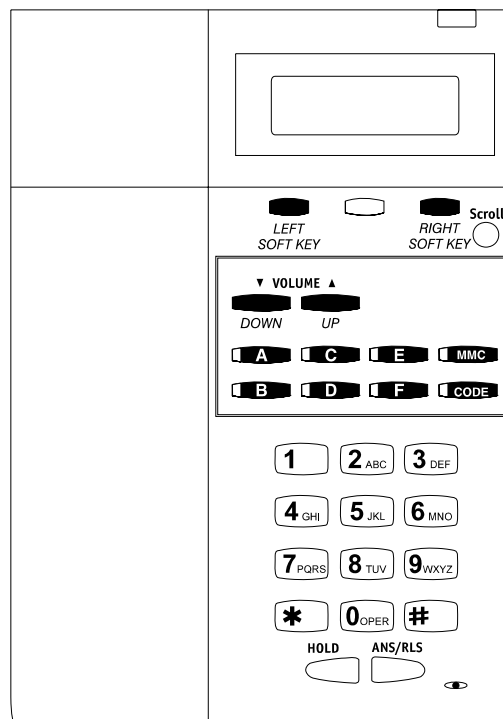
System programming may be done from any two line display keyset. The first thing you must do is open system programming. As a security measure, a passcode must be known to do this.

• 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.

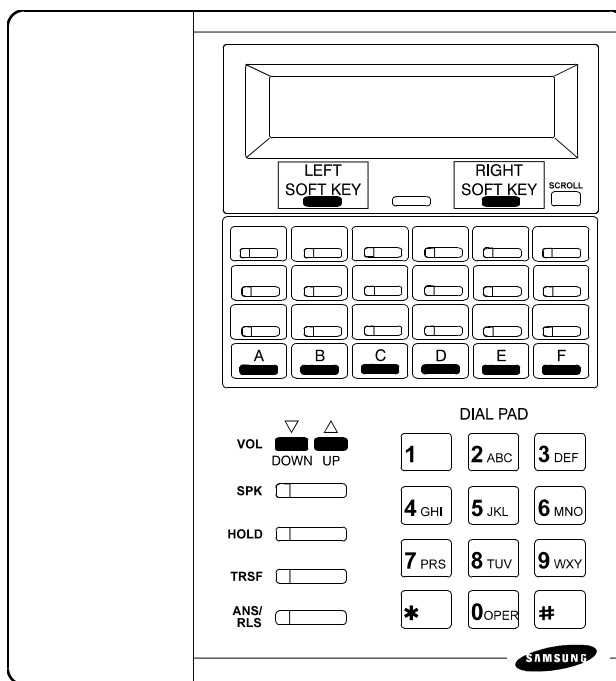


This diagram illustrates the keys on a **iDCS 8 BUTTON keyset** that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.



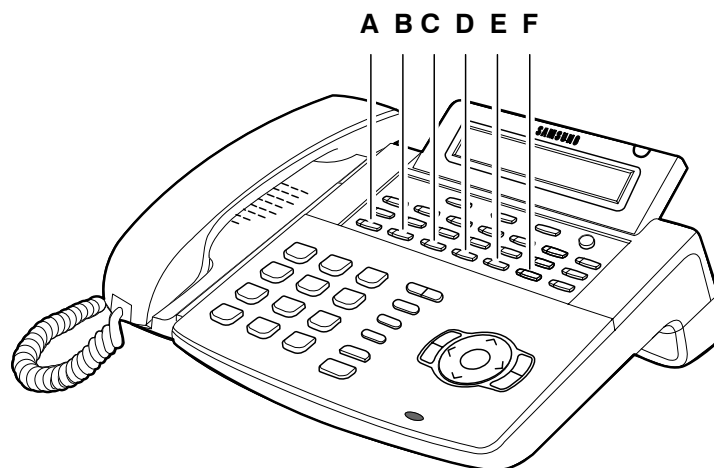
• DCS KEYSETS

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-5021D KEYSETS

This diagram illustrates the keys on an **ITP 5021-D keyset** 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.

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.

1.3 PROGRAM LIST IN NUMERICAL ORDER

100	<u>STATION LOCK</u>	310	<u>LCR CLASS OF SERVICE</u>
101	<u>CHANGE USER PASSCODE</u>	312	<u>ALLOW CID / ANI</u>
102	<u>CALL FORWARD</u>	313	<u>COPY STATION/TRUNK USE</u>
103	<u>SET ANSWER MODE</u>	314	<u>ASSIGN STATION/STATION USE</u>
104	<u>STATION NAME</u>	315	<u>CUSTOMER SET RELOCATION</u>
105	<u>STATION SPEED DIAL</u>	316	<u>PRESET FORWARD NO ANSWER</u>
106	<u>STATION SPEED DIAL NAME</u>	317	<u>TIME/COST DISPLAY OPTION</u>
107	<u>KEY EXTENDER</u>	320	<u>BRANCH GROUP</u>
108	<u>STATION STATUS</u>	321	<u>SEND CLI NUMBER</u>
109	<u>DATE/TIME DISPLAY</u>	324	<u>SLI2 GAIN</u>
110	<u>STATION ON/OFF</u>	400	<u>CUSTOMER ON/OFF PER TRUNK</u>
111	<u>KEYSET RING TONE</u>	401	<u>C.O./PBX LINE</u>
112	<u>ALARM CLOCK</u>	402	<u>TRUNK DIAL TYPE</u>
114	<u>STATION VOLUME</u>	403	<u>TRUNK TOLL CLASS</u>
115	<u>SET PROGRAMMED MESSAGE</u>	404	<u>TRUNK NAME</u>
116	<u>ALARM REMINDER</u>	405	<u>TRUNK TELEPHONE NUMBER</u>
117	<u>TEXT MESSAGE</u>	406	<u>TRUNK RING ASSIGNMENT</u>
118	<u>CONFERENCE GROUP</u>	407	<u>FORCED TRUNK RELEASE</u>
119	<u>CALLER ID / ANI DISPLAY</u>	408	<u>ASSIGN TRUNK MOH SOURCE</u>
120	<u>LARGE LCD OPTION</u>	409	<u>TRUNK STATUS READ</u>
121	<u>STATION LANGUAGE ASSIGNMENT</u>	410	<u>ASSIGN DISA TRUNK</u>
122	<u>SPOT INFO SPD</u>	411	<u>ASSIGN T1 SIGNAL TYPE</u>
125	<u>EXECUTIVE PRESENT STATE</u>	412	<u>ASSIGN TRUNK SIGNAL</u>
200	<u>OPEN CUSTOMER PROGRAMMING</u>	414	<u>ASSIGN CALLER ID / ANI TRUNKS</u>
201	<u>CHANGE CUSTOMER PASSCODE</u>	415	<u>REPORT TRUNK ABANDON DATA</u>
202	<u>CHANGE FEATURE PASSCODE</u>	416	<u>E&M/DID RING</u>
203	<u>ASSIGN UA DEVICE</u>	417	<u>TRK TMC GAIN</u>
204	<u>COMMON BELL CONTROL</u>	418	<u>TRUNK GAIN CONTROL</u>
205	<u>ASSIGN LOUD BELL</u>	419	<u>DISTINCTIVE RINGING</u>
206	<u>BARGE-IN TYPE</u>	420	<u>ANI / DNIS OPTIONS</u>
207	<u>ASSIGN VM/AA PORT</u>	421	<u>TRUNK COS</u>
208	<u>ASSIGN RING TYPE</u>	422	<u>COST RATE</u>
209	<u>ASSIGN ADD-ON MODULE</u>	424	<u>PRI CARD RESTART</u>
210	<u>CUSTOMER ON/OFF PER TENANT</u>	430	<u>PRI CONTROL</u>
211	<u>DOOR RING ASSIGNMENT</u>	432	<u>CONNECTION STATUS</u>
214	<u>DISA ALARM RINGING STATION</u>	500	<u>SYSTEM-WIDE COUNTERS</u>
217	<u>STATION PAIR</u>	501	<u>SYSTEM TIMERS</u>
219	<u>TRAFFIC REPORT PRINTOUT</u>	502	<u>STATION-WIDE TIMERS</u>
221	<u>EXTENSION TYPE [H/M]</u>	503	<u>TRUNK-WIDE TIMER</u>
222	<u>FAX PAIR [H/M]</u>	504	<u>PULSE MAKE/BREAK RATIO</u>
223	<u>ISDN SERVICE TYPE</u>	505	<u>ASSIGN DATE AND TIME</u>
224	<u>WAKE-UP AA</u>	506	<u>TONE CADENCE</u>
300	<u>CUSTOMER ON/OFF PER STATION</u>	507	<u>ASSIGN RING PLAN TIME</u>
301	<u>ASSIGN STATION COS</u>	510	<u>SLI RING CADENCE</u>
302	<u>PICKUP GROUPS</u>	511	<u>MESSAGE WAITING LAMP CADENCE</u>
303	<u>ASSIGN EXECUTIVE/SECRETARY</u>	512	<u>HOLIDAY ASSIGNMENT</u>
304	<u>ASSIGN EXTENSION/TRUNK USE</u>	513	<u>HOTEL/MOTEL TIMERS [H/M]</u>
305	<u>ASSIGN FORCED CODE</u>	515	<u>ASSIGN DAYLIGHT SAVINGS DATE</u>
306	<u>HOT LINE</u>	600	<u>ASSIGN OPERATOR GROUP</u>
308	<u>ASSIGN BACKGROUND MUSIC SOURCE</u>	601	<u>ASSIGN STATION GROUP</u>
309	<u>ASSIGN STATION MUSIC ON HOLD</u>	602	<u>STATION GROUP NAME</u>

603	<u>ASSIGN TRUNK GROUP</u>	759	<u>CLI RINGING</u>
604	<u>ASSIGN INTERNAL PAGE ZONES</u>	760	<u>ITEM COST TABLE [H/M]</u>
605	<u>ASSIGN EXTERNAL PAGE ZONE</u>	761	<u>TAX RATE SETUP [H/M]</u>
606	<u>ASSIGN SPEED BLOCK</u>	762	<u>ROOM COST RATE [H/M]</u>
607	<u>UCD OPTIONS</u>	800	<u>ENABLE TECHNICIAN PROGRAM</u>
608	<u>ASSIGN REVIEW BLOCK</u>	801	<u>CHANGE TECHNICIAN PASSCODE</u>
609	<u>CALL LOG BLOCK</u>	802	<u>CUSTOMER ACCESS MMC NUMBER</u>
611	<u>ALLOW TEXT MESSAGING</u>	803	<u>ASSIGN TENANT GROUP</u>
612	<u>GROUP CONFERENCE ALLOW</u>	805	<u>LEVEL & GAIN</u>
614	<u>SET A STATION / C.O. LINE CALL GROUP</u>	806	<u>CARD PRE-INSTALL</u>
615	<u>MGI GROUP</u>	807	<u>ADJUST DIGITAL PHONE TONE QUALITY</u>
616	<u>MGI USER</u>	808	<u>T1 PARAMETERS</u>
700	<u>COPY COS CONTENTS</u>	810	<u>HALT PROCESSING</u>
701	<u>ASSIGN COS CONTENTS</u>	811	<u>RESET SYSTEM</u>
702	<u>TOLL DENY TABLE</u>	812	<u>SET COUNTRY</u>
703	<u>TOLL ALLOWANCE TABLE</u>	813	<u>USE HOTEL MODE</u>
704	<u>ASSIGN WILD CHARACTER</u>	815	<u>CUSTOMER DATABASE COPY</u>
705	<u>ASSIGN SYSTEM SPEED DIAL</u>	816	<u>CONFERENCE GAIN</u>
706	<u>SYSTEM SPEED DIAL BY NAME</u>	818	<u>PROGRAM DOWNLOAD</u>
707	<u>AUTHORIZATION CODE</u>	819	<u>SMARTMEDIA FILE CONTROL</u>
708	<u>ACCOUNT CODE</u>	820	<u>ASSIGN SYSTEM LINK ID</u>
709	<u>TOLL PASS CODE/SPECIAL CODE TABLE</u>	821	<u>Q-SIG TRUNK</u>
710	<u>LCR DIGIT TABLE</u>	822	<u>VIRTUAL STATION TYPE</u>
711	<u>LCR TIME TABLE</u>	823	<u>NETWORK COS</u>
712	<u>LCR ROUTE TABLE</u>	824	<u>NETWORK DIAL PLAN</u>
713	<u>LCR MODIFY DIGIT TABLE</u>	825	<u>NETWORK OPTIONS</u>
714	<u>DID NUMBER AND NAME TRANSLATION</u>	826	<u>CLOCK SOURCE</u>
715	<u>PROGRAMMED STATION MESSAGE</u>	829	<u>LAN PRINTER PARAMETER</u>
717	<u>MY AREA CODE</u>	830	<u>ETHERNET PARAMETERS</u>
718	<u>UCD AGENT ID</u>	831	<u>MGI PARAMETERS</u>
719	<u>IDLE DISPLAY</u>	832	<u>VOIP OUTBOUND DIGITS</u>
720	<u>COPY KEY PROGRAMMING</u>	833	<u>VOIP IP ADDRESS</u>
721	<u>SAVE STATION KEY PROGRAMMING</u>	834	<u>H.323 OPTION</u>
722	<u>STATION KEY PROGRAMMING</u>	835	<u>MGI DSP OPTION</u>
723	<u>SYSTEM KEY PROGRAMMING</u>	836	<u>H.323 GK OPTION</u>
724	<u>DIAL NUMBERING PLAN</u>	837	<u>SIP OPTIONS</u>
725	<u>SMDR OPTIONS</u>	838	<u>PRIVATE IP ADDRESS</u>
726	<u>VM/AA OPTIONS</u>	840	<u>IP SET INFO</u>
727	<u>SYSTEM VERSION DISPLAY</u>	841	<u>SYSTEM IP OPTION</u>
728	<u>CID / ANI TRANSLATION TABLE</u>	844	<u>IP STATION TYPE</u>
729	<u>RATE CALCULATION TABLE</u>	845	<u>WLI PARAMETERS</u>
730	<u>COSTING DIAL PLAN</u>	846	<u>WIP INFO</u>
740	<u>VM CARD RESTART</u>	847	<u>WLI RESET</u>
741	<u>USER MAILBOX</u>	848	<u>WLAN IP/MAC</u>
743	<u>AUTO RECORD</u>	849	<u>WLAN CONFIG</u>
744	<u>VM DAY / NIGHT</u>	850	<u>SHOW SYSTEM RESOURCES</u>
745	<u>WARNING DESTINATION</u>	851	<u>ALARM REPORTING</u>
746	<u>VM HALT</u>	852	<u>SYSTEM ALARM ASSIGNMENTS</u>
747	<u>VM ALARM</u>	853	<u>MAINTENANCE BUSY</u>
748	<u>ASSIGN VM MOH</u>	854	<u>DIAGNOSTIC TIME</u>
749	<u>VM IN/OUT</u>		

855 SYSTEM HARDWARE OPTIONS
856 TECH PROGRAMMING LOGS
858 EMERGENCY ASSIGN
859 HARDWARE VERSION

860 UCD VIEW SERVICE
861 SYSTEM OPTION
863 NODE INFORMATION
890 PORT CLEAR

1.4 PROGRAM LIST IN ALPHABETICAL ORDER

708	<u>ACCOUNT CODE</u>	416	<u>E&M/DID RING</u>
209	<u>ADD-ON MODULE ASSIGN</u>	858	<u>EMERGENCY ASSIGN</u>
807	<u>ADJUST DIGITAL PHONE TONE QUALITY</u>	830	<u>ETHERNET PARAMETERS</u>
112	<u>ALARM CLOCK</u>	125	<u>EXECUTIVE PRESENT STATE</u>
116	<u>ALARM REMINDER</u>	303	<u>EXECUTIVE/SECRETARY ASSIGN</u>
851	<u>ALARM REPORTING</u>	221	<u>EXTENSION TYPE [H/M]</u>
420	<u>ANI / DNIS OPTIONS</u>	304	<u>EXTENSION/TRUNK USE ASSIGN</u>
704	<u>ASSIGN WILD CHARACTER</u>	605	<u>EXTERNAL PAGE ZONE ASSIGN</u>
707	<u>AUTHORIZATION CODE</u>	222	<u>FAX PAIR [H/M]</u>
743	<u>AUTO RECORD</u>	202	<u>FEATURE PASSCODE CHANGE</u>
308	<u>BACKGROUND MUSIC SOURCE ASSIGN</u>	305	<u>FORCED CODE ASSIGN</u>
206	<u>BARGE-IN TYPE</u>	407	<u>FORCED TRUNK RELEASE</u>
320	<u>BRANCH GROUP</u>	612	<u>GROUP CONFERENCE ALLOW</u>
401	<u>C.O./PBX LINE</u>	836	<u>H.323 GK OPTION</u>
102	<u>CALL FORWARD</u>	834	<u>H.323 OPTION</u>
609	<u>CALL LOG BLOCK</u>	810	<u>HALT PROCESSING</u>
119	<u>CALLER ID / ANI DISPLAY</u>	859	<u>HARDWARE VERSION</u>
414	<u>CALLER ID / ANI TRUNKS ASSIGN</u>	512	<u>HOLIDAY ASSIGNMENT</u>
806	<u>CARD PRE-INSTALL</u>	306	<u>HOT LINE</u>
312	<u>CID / ANI ALLOW</u>	513	<u>HOTEL/MOTEL TIMERS [H/M]</u>
728	<u>CID / ANI TRANSLATION TABLE</u>	719	<u>IDLE DISPLAY</u>
759	<u>CLI RINGING</u>	604	<u>INTERNAL PAGE ZONES ASSIGN</u>
826	<u>CLOCK SOURCE</u>	840	<u>IP SET INFO</u>
204	<u>COMMON BELL CONTROL</u>	844	<u>IP STATION TYPE</u>
816	<u>CONFERENCE GAIN</u>	223	<u>ISDN SERVICE TYPE</u>
118	<u>CONFERENCE GROUP</u>	760	<u>ITEM COST TABLE [H/M]</u>
432	<u>CONNECTION STATUS</u>	107	<u>KEY EXTENDER</u>
700	<u>COPY COS CONTENTS</u>	111	<u>KEYSET RING TONE</u>
720	<u>COPY KEY PROGRAMMING</u>	829	<u>LAN PRINTER PARAMETER</u>
313	<u>COPY STATION/TRUNK USE</u>	120	<u>LARGE LCD OPTION</u>
701	<u>COS CONTENTS ASSIGN</u>	310	<u>LCR CLASS OF SERVICE</u>
422	<u>COST RATE</u>	710	<u>LCR DIGIT TABLE</u>
730	<u>COSTING DIAL PLAN</u>	713	<u>LCR MODIFY DIGIT TABLE</u>
802	<u>CUSTOMER ACCESS MMC NUMBER</u>	712	<u>LCR ROUTE TABLE</u>
815	<u>CUSTOMER DATABASE COPY</u>	711	<u>LCR TIME TABLE</u>
300	<u>CUSTOMER ON/OFF PER STATION</u>	805	<u>LEVEL & GAIN</u>
210	<u>CUSTOMER ON/OFF PER TENANT</u>	205	<u>LOUD BELL ASSIGN</u>
400	<u>CUSTOMER ON/OFF PER TRUNK</u>	853	<u>MAINTENANCE BUSY</u>
201	<u>CUSTOMER PASSCODE CHANGE</u>	511	<u>MESSAGE WAITING LAMP CADENCE</u>
315	<u>CUSTOMER SET RELOCATION</u>	835	<u>MGI DSP OPTION</u>
505	<u>DATE AND TIME ASSIGN</u>	615	<u>MGI GROUP</u>
109	<u>DATE/TIME DISPLAY</u>	831	<u>MGI PARAMETERS</u>
515	<u>DAYLIGHT SAVINGS DATE ASSIGN</u>	616	<u>MGI USER</u>
854	<u>DIAGNOSTIC TIME</u>	717	<u>MY AREA CODE</u>
724	<u>DIAL NUMBERING PLAN</u>	823	<u>NETWORK COS</u>
714	<u>DID NUMBER AND NAME TRANSLATION</u>	824	<u>NETWORK DIAL PLAN</u>
214	<u>DISA ALARM RINGING STATION</u>	825	<u>NETWORK OPTIONS</u>
410	<u>DISA TRUNK ASSIGN</u>	863	<u>NODE INFORMATION</u>
419	<u>DISTINCTIVE RINGING</u>	200	<u>OPEN CUSTOMER PROGRAMMING</u>
211	<u>DOOR RING ASSIGNMENT</u>	600	<u>OPERATOR GROUP ASSIGN</u>

302	<u>PICKUP GROUPS</u>	841	<u>SYSTEM IP OPTION</u>
890	<u>PORT CLEAR</u>	723	<u>SYSTEM KEY PROGRAMMING</u>
316	<u>PRESET FORWARD NO ANSWER</u>	820	<u>SYSTEM LINK ID ASSIGN</u>
424	<u>PRI CARD RESTART</u>	861	<u>SYSTEM OPTION</u>
430	<u>PRI CONTROL</u>	705	<u>SYSTEM SPEED DIAL ASSIGN</u>
838	<u>PRIVATE IP ADDRESS</u>	706	<u>SYSTEM SPEED DIAL BY NAME</u>
818	<u>PROGRAM DOWNLOAD</u>	501	<u>SYSTEM TIMERS</u>
715	<u>PROGRAMMED STATION MESSAGE</u>	727	<u>SYSTEM VERSION DISPLAY</u>
504	<u>PULSE MAKE/BREAK RATIO</u>	500	<u>SYSTEM-WIDE COUNTERS</u>
821	<u>Q-SIG TRUNK</u>	808	<u>T1 PARAMETERS</u>
729	<u>RATE CALCULATION TABLE</u>	411	<u>T1 SIGNAL TYPE ASSIGN</u>
415	<u>REPORT TRUNK ABANDON DATA</u>	761	<u>TAX RATE SETUP [H/M]</u>
811	<u>RESET SYSTEM</u>	856	<u>TECH PROGRAMMING LOGS</u>
608	<u>REVIEW BLOCK ASSIGN</u>	801	<u>TECHNICIAN PASSCODE CHANGE</u>
507	<u>RING PLAN TIME ASSIGN</u>	800	<u>TECHNICIAN PROGRAM ENABLE</u>
208	<u>RING TYPE ASSIGN</u>	803	<u>TENANT GROUP ASSIGN</u>
762	<u>ROOM COST RATE [H/M]</u>	117	<u>TEXT MESSAGE</u>
721	<u>SAVE STATION KEY PROGRAMMING</u>	611	<u>TEXT MESSAGING ALLOW</u>
321	<u>SEND CLI NUMBER</u>	317	<u>TIME/COST DISPLAY OPTION</u>
614	<u>SET A STATION / C.O. LINE CALL GROUP</u>	703	<u>TOLL ALLOWANCE TABLE</u>
103	<u>SET ANSWER MODE</u>	702	<u>TOLL DENY TABLE</u>
812	<u>SET COUNTRY</u>	709	<u>TOLL PASS CODE/SPECIAL CODE TABLE</u>
115	<u>SET PROGRAMMED MESSAGE</u>	506	<u>TONE CADENCE</u>
850	<u>SHOW SYSTEM RESOURCES</u>	219	<u>TRAFFIC REPORT PRINTOUT</u>
837	<u>SIP OPTIONS</u>	417	<u>TRK TMC GAIN</u>
510	<u>SLI RING CADENCE</u>	421	<u>TRUNK COS</u>
324	<u>SLI2 GAIN</u>	402	<u>TRUNK DIAL TYPE</u>
819	<u>SMARTMEDIA FILE CONTROL</u>	418	<u>TRUNK GAIN CONTROL</u>
725	<u>SMDR OPTIONS</u>	603	<u>TRUNK GROUP ASSIGN</u>
606	<u>SPEED BLOCK ASSIGN</u>	408	<u>TRUNK MOH SOURCE ASSIGN</u>
122	<u>SPOT INFO SPD</u>	404	<u>TRUNK NAME</u>
301	<u>STATION COS ASSIGN</u>	406	<u>TRUNK RING ASSIGNMENT</u>
601	<u>STATION GROUP ASSIGN</u>	412	<u>TRUNK SIGNAL ASSIGN</u>
602	<u>STATION GROUP NAME</u>	409	<u>TRUNK STATUS READ</u>
722	<u>STATION KEY PROGRAMMING</u>	405	<u>TRUNK TELEPHONE NUMBER</u>
121	<u>STATION LANGUAGE ASSIGNMENT</u>	403	<u>TRUNK TOLL CLASS</u>
100	<u>STATION LOCK</u>	503	<u>TRUNK-WIDE TIMER</u>
309	<u>STATION MUSIC ON HOLD ASSIGN</u>	203	<u>UA DEVICE ASSIGN</u>
104	<u>STATION NAME</u>	718	<u>UCD AGENT ID</u>
110	<u>STATION ON/OFF</u>	607	<u>UCD OPTIONS</u>
217	<u>STATION PAIR</u>	860	<u>UCD VIEW SERVICE</u>
105	<u>STATION SPEED DIAL</u>	813	<u>USE HOTEL MODE</u>
106	<u>STATION SPEED DIAL NAME</u>	741	<u>USER MAILBOX</u>
108	<u>STATION STATUS</u>	101	<u>USER PASSCODE CHANGE</u>
114	<u>STATION VOLUME</u>	822	<u>VIRTUAL STATION TYPE</u>
314	<u>STATION/STATION USE ASSIGN</u>	747	<u>VM ALARM</u>
502	<u>STATION-WIDE TIMERS</u>	740	<u>VM CARD RESTART</u>
852	<u>SYSTEM ALARM ASSIGNMENTS</u>	744	<u>VM DAY / NIGHT</u>
855	<u>SYSTEM HARDWARE OPTIONS</u>	746	<u>VM HALT</u>
		749	<u>VM IN/OUT</u>

[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](#)

1.5 MMC'S ASSOCIATED BY CATEGORY

KEYSET USER OPTIONS

ALARM CLOCK	112	STATION ON/OFF	110
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HOTEL / MOTEL

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1.6 HOTEL / MOTEL MMCS

GENERAL SETUP

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OPTIONAL ITEMS

KEY EXTENDER	107	FAX PAIR	222
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ASSIGN ADD-ON MODULE	209	DIAL NUMBERING PLAN	724
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CALL COSTING

TRUNK COST RATE	422	TIME COST DISPLAY	317
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HOTEL BILLING CHARGES

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SMDR/HOTEL/PMS REPORTS

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WAKE-UP WITH AA ANNOUNCEMENT

CUSTOMER ON/OFF PER TENANT	210	SYSTEM TIMERS	501
WAKE-UP	224		
SYSTEM-WIDE COUNTERS	500		

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 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 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
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and use RIGHT soft key to move cursor
OR
Press ANS/RLS to select all stations.
3. Enter 0 to unlock or 1 to lock (e.g. 1)
OR
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.

[201] STN LOCK
UNLOCKED

[205] STN LOCK
UNLOCKED

[ALL] STN LOCK
??

[205] STN LOCK
LOCKED OUT

MMC: 100

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

1. Press TRANSFER 101
Display shows
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.
3. Press HOLD to reset passcode.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

[201] PASSCODE
PASSCODE: ****

[205] PASSCODE
PASSCODE: ****

[205] PASSCODE
PASSCODE : 1234

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 7200 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 = ALL CALL

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
CURRENTLY 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

1. Press TRANSFER 103
Display shows
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.

DISPLAY

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

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

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

MMC: 103

3. Dial 0, 1 or 2 to change ring mode
OR

[205] ANS MODE
VOICE ANNOUNCE

Press UP or DOWN to select ring mode and
Press RIGHT soft key to return to step 2
above.

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	Q	Z	.	)	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	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 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
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
3. Enter the station name using the procedure
described above and press RIGHT soft
key to return to step 2.

[201] STN NAME**[205] STN NAME**
—**[205] STN NAME**
SAM SMITH

MMC: 104

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	Q	Z	.	)	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	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 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

1. Press TRANSFER 106
Display shows
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
If selected station has no speed dial bins, the
display will be as shown and a new
station may be selected.

DISPLAY

[201] SPEED NAME
00:

[205] SPEED NAME
00:

[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)
CR	Voice Mail Call Record
CS	UCD Call Status (UCD group number)
DIR	Directory dial by name type (1–3)
DP	Direct Pickup (extension or station group number)
DS	Direct Station Select (station number)
FWRD	Call Forward (0–7)
GCONF	Group Conference (1–5)
GPIK	Group Pickup (01–99)
IG	IN/Out of Group (Station Group Number)
MMPG	Meet Me Page (0–9, *)
MW	Message Waiting (extension or station group #)
NS	Network Station
PAGE	Page (0–9, *)
PARK	Park Orbits (0–9)
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)
VT	Voice Transfer (VM Station Group Number)
PMSG	Programmed Station Text Messaging (01–20)
VM	Voice Mail Memo (extension or station group #)

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: 107**ACTION****DISPLAY**

1. Press TRANSFER 107
Display shows first station
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.
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.
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.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

```
[201] EXT D:KTS  
01:CALL1
```

```
[205] EXT D:KTS  
01:CALL1
```

```
[201] EXT D:KT S  
01:CALL1
```

```
[201] EXT D:AOM1  
01:DS
```

```
[205] EXT D:KTS  
18:DS
```

```
[205] EXT D:KTS  
18:DS 207
```

DEFAULT DATA: NONE

RELATED ITEMS: [MMC 720 COPY KEY PROGRAMMING](#)
[MMC 721 SAVE STATION KEY PROGRAMMING](#)
[MMC 722 STATION KEY PROGRAMMING](#)
[MMC 723 SYSTEM KEY PROGRAMMING](#)
[MMC 724 DIAL NUMBERING PLAN](#)

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
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
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.
4. Press TRANSFER to exit
OR
Press SPEAKER to advance to next MMC.

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

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

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

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

1. Press TRANSFER 109
Display shows
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 for all keysets.

DISPLAY

[201] DAY FORMAT
COUNTRY:WESTERN

[205] DAY FORMAT
COUNTRY:WESTERN

[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.

[205] DAY FORMAT
COUNTRY: ORIENTAL

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.

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	<i>For ITP Phones with 2 Line Display</i> 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
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.
3. Press UP or DOWN to select ON or OFF
Press the left or right soft key to return to
step 2

DISPLAY

[201] STN ON/OFF
AUTO HOLD :OFF

[201] STN ON/OFF
HOT KEYPAD :OFF

[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

1. Press TRANSFER 111
Display shows
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.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

DISPLAY

[201] RING TONE
SELECTION 5

[205] RING TONE
SELECTION 5

[ALL] RING TONE
SELECTION ?

[205] RING TONE
SELECTION 5

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

1. Press TRANSFER 112
Display shows
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and press RIGHT soft key.
3. Dial 1~3 to select alarm (e.g., 1)
OR
Press UP or DOWN to select alarm and press RIGHT soft key.

DISPLAY

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

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

```
[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

[205] ALM CLK(2)
HHMM:1300➔DAILY

Press UP or DOWN to select alarm type and press
RIGHT soft key to move cursor and return
to step 2.

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

1. Press TRANSFER 114
Display shows
2. Dial keyset number (e.g. 205).
- 3a. Press UP or DOWN to select next volume.
- 3b. Press UP or DOWN to select next volume.
- 3c. Press UP or DOWN to select next volume.
- 3d. Press UP or DOWN to select next volume.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[201] STN VOLUME
RING VOLUME : 4

[205] STN VOLUME
RING VOLUME : 4

[205] STN VOLUME
OFF-RING VOL: 4

[205] STN VOLUME
HANDSET VOL : 4

[205] STN VOLUME
SPEAKER VOL :13

[205] STN VOLUME
BGM VOLUME : 3

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 KEYSER 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

1. Press TRANSFER 115
Display shows
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.
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.

DISPLAY

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

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

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

```
[205] PGMSG(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	Q	Z	.	)	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	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

1. Press TRANSFER 116
Display shows
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.

DISPLAY

[201] ALM REM(1)
HHMM: ➔NOTSET

[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.
4. Enter alarm time in 24-hour clock format
(e.g., 1300 for 1pm).
Display will automatically advance to step 5.
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.
6. Enter messages using above table and
press RIGHT soft key to return to step 2.
7. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

[205] ALM REM (2)
HHMM: →NOTSET

[205] ALM REM (2)
HHMM: 1300 →NOTSET

[205] ALM REM
HHMM: 1300 →DAILY

[205] ALM REM
Sam SMITH

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	Q	Z	.	)	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	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 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

1. Press TRANSFER 117
Display shows
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.

DISPLAY

[201] TXTMSG (01)
Blank Message

[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

- Press TRANSFER 118
Display shows your station number and the first group selection.

[201] GRP (1) NAME
- 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
- 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
—
- Enter a conference group name.
Press the RIGHT soft button to save data.

[205] GRP (2) NAME
A CONF GRP
- Enter the number of conference group number and press the RIGHT soft button to save data.

[205] GRP (2) MBR2
9-2134455
- 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:

- Any keyset not assigned in MMC 612 will receive the following display:
[XXXX] CONF GROUP
NOT PERMITTED
- EasySet can be used to program Conference Groups for any 5012L 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

1. Press TRANSFER 119
Display shows first station
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.

DISPLAY

[201] CID DISP
NUMBER FIRST

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

[205] ANI DISP
NAME FIRST

[205] ANI DISP
NAME FIRST

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

1. Press TRANSFER 120
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.
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.
4. Select the desired option.
OR

DISPLAY

[201] IDLE DISP
CALENDAR

[205] IDLE DISP
CALENDAR

[205] IDLE DISP
CALENDAR

[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. NORSE
- 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

1. Press TRANSFER 121
Display shows

DISPLAY

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

MMC: 125

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 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

1. Press TRANSFER 125
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.
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.
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.
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.
6. If the executive's answer mode needs changed, set the desired answer mode at ANS MODE.
7. Press TRANSFER to exit the program.
OR
Press SPEAKER to move on to the next program.

DISPLAY

[201] EXEC STATE
IN THE ROOM

[205] EEXEC STATE
IN THE ROOM

[205] EXEC STATE
IN THE ROOM

[205] EXEC STATE
IN A MEETING

[205] STATE (IN)
WEEKLY MEETING

[205] ANS MODE
AUTO ANSWER MODE

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

1. Press TRANSFER 201
Display shows
2. Enter new passcode via dial keypad
(maximum four digits).
3. Verify new passcode via dial keypad.

Passcode verified (go to step 4)
OR
Passcode failure.
Return to step 2.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

DISPLAY

CUST. PASSCODE
NEW CODE: _

CUST. PASSCODE
NEW CODE: ****

CUST. PASSCODE
VERIFY : ****

CUST. PASSCODE
VERIFY : SUCCESS

CUST. PASSCODE
VERIFY : FAILURE

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 7200 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

1. Press TRANSFER 202
Display shows

DISPLAY

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

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

1. Press TRANSFER 203
Display shows current assignment
2. Dial DN of UA device (e.g., 205)
OR
Use UP and DOWN keys to scroll through available devices.
3. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

ASSIGN UA PORT
NONE-NO UA

ASSIGN UA PORT
205 -STATION

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
2. Dial common bell number
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

[3991] COM. BELL
CONTINUOUS

[3991] COM. BELL
CONTINUOUS

[3991] COM. BELL
INTERRUPTED

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 output 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

1. Press TRANSFER 205
Display shows current setting
2. Dial loud bell number (e.g., 3995)
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[3995] LOUD BELL
RING PAIR : NONE

[3995] LOUD BELL
RING PAIR : NONE

[3995] LOUD BELL
RING PAIR : 201

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

1. Press TRANSFER 206
Display shows
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.
3. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

BARGE IN TYPE
NO BARGE IN

BARGE IN TYPE
WITHOUT TONE

DEFAULT DATA: NO BARGE-IN

RELATED ITEMS: [MMC 301 ASSIGN STATION COS](#)
[MMC 701 ASSIGN COS CONTENTS](#)

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 7200 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

1. Press TRANSFER 207
Display shows
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station
and press RIGHT soft key to move cursor.
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.

DISPLAY

[209] VMAA PORT
NORMAL PORT

[205] VMAA PORT
NORMAL PORT

[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
2. Dial station number (e.g., 205)
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

[209] RING TYPE
ICM RING

[205] RING TYPE
ICM RING

[205] RING TYPE
DATA RING

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 7200 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:<u>N</u>ONE |
| 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:20<u>1</u> |

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.

4. Press TRANSFER to store and exit
OR

Press SPEAKER to save and advance to next MMC.

[301] AOM MASTER
OHVAED:ON

**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	<p>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</p> <p>~: 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</p>
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.

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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 7200 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 2 nd call, but pressing the h/f will not toggle between the two calls it will disconnect the 2 nd 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.

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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.

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 210
Display shows
2. Dial option number (e.g. 0)
Press RIGHT soft key to move cursor.

DISPLAY

TEN. ON AND OFF
DISA PSWD :OFF

TEN. ON AND OFF
DISA PSWD :OFF

MMC: 210

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

[250]	DOOR RING
1:301	2:500

OR

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

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
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.
3. Enter in valid destination number for another ring plan (e.g., 249)
OR
Press UP or DOWN key to make selection.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISA ALARM RING
1:500 2:500

DISA ALARM RING
1:217 2:500

DISA ALARM RING
1:217 2:249

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

MMC: 217

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

1. Press TRANSFER 219
Display shows

DISPLAY

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: 221

EXTENSION TYPE

DESCRIPTION:

This is a Hotel / Motel software specific MMC.

This MMC enables station ports to be defined for a specific use. Each telephone can be designated as being one of the five (6) following types.

- 0 = Normal
- 1 = Guest Smoking
- 2 = Guest No Smoking
- 3 = Meeting
- 4 = Administrator
- 5 = Fax Station

Note: Each station type has a pre-designated COS associated with it. Administrator and Normal stations will be assigned COS 1. Meeting rooms will automatically be assigned COS 2, and guest rooms will automatically be assigned COS 3.

COS 2 and 3 have been configured with limited options appropriate for the specific type of room, (these pre-configured options may be changed by the technician, as desired).

- | | |
|---------------------|---|
| 0. NORMAL STATION | This is the default setting. The phone will operate as a normal / business station when assigned as this type. Ports designated as VMAA in MMC 207 must be designated as normal in this MMC. |
| 1. GUEST SMOKING | When a station is designated as this type it will appear in room status and check in features as a smoking room. It will also be subjected to room billing structures and other Hotel/Motel specifications. |
| 2. GUEST NO SMOKING | When a station is designated as this type it will appear in room status and check in features as a non smoking room. It will also be subjected to room billing structures and other Hotel/Motel specifications. |
| 3. MEETING ROOM | When a station is designated as this type it will have the same attributes as guest rooms with regard to cleaning and occupied status but will not be displayed while scrolling through room status lists. |

MMC: 221

They will also be subjected to room billing structures and other Hotel / Motel specifications.

4. ADMINISTRATOR

Only stations designated as administrator stations can use the Hotel/Motel features such as check in, check out, etc.

5. FAX STATION

When a single line station is designated as this type the station can be used as a fax machine.

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 221
Display shows
2. Dial station number (e.g., 214)
OR
Press UP or DOWN to select station
and press RIGHT soft key to move cursor.
3. Dial 0 to 4 to select station type
OR
Press UP or DOWN to select option and press
RIGHT soft key.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

[201] PHONE USE
NORMAL STATION

[214] PHONE USE
NORMAL STATION

[214] PHONE USE
GUEST NO SMOKING

DEFAULT DATA: NORMAL STATION

RELATED ITEMS: [MMC 222 FAX PAIR](#)
[MMC 813 USE HOTEL MODE](#)

MMC: 222

FAX PAIR

DESCRIPTION:

This is a Hotel / Motel software specific MMC.

This program associates the extension number for a fax station in a guest room with the room extension number so calls can be billed to the room.

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 222.
Display shows.
2. Press an station number (e.g. 205)
OR
Use VOLUME to select a station and press the RIGHT soft button to move a cursor.
(Only smoking guest and non-smoking guest can be selected.)
3. Enter the desired fax station number
OR
Use VOLUME to select the desired fax station number and press the RIGHT soft button.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[217] FAX PAIR
NONE

[217] FAX PAIR
NONE

[222] FAX PAIR
NONE

[222] FAX PAIR
205

DEFAULT DATA: NONE

RELATED ITEMS: [MMC 221 EXTENSION TYPE](#)

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.
2. Enter the station number (e.g. 210)
OR
Press UP or DOWN to select station and
press RIGHT soft key.
3. Select service type (0-3)
OR
Press UP or DOWN to select option and
press RIGHT soft key.
4. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and advance
to next MMC.

[209] ISDN SVC
VOICE

[210] ISDN SVC
VOICE

[210] ISDN SVC
AUDIO 3.1

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 Wake 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
2. Press RIGHT soft key to move cursor.
3. Enter AA group number via keypad
OR
Press UP or DOWN to make selection.
4. Press RIGHT soft key to enter selection and
return to step 1.
5. Press 0, 1 or 2 on keypad to select option
(e.g. 1).
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.
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  
AA GROUP :NONE
```

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

```
WAKE-UP ANNOUNCE  
AA GROUP :3951
```

```
WAKE-UP ANNOUNCE  
AA GROUP :3951
```

```
WAKE-UP ANNOUNCE  
MESSAGE NO :NONE
```

```
WAKE-UP ANNOUNCE  
MESSAGE NO :15
```

```
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 813 HOTEL PROGRAMMING](#)

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	<p>This feature selects whether C.O. calls can be forwarded to voice mail.</p> <p>ON = Permits forward to voice mail. OFF = No forward to voice mail.</p>
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 7200 requires an 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.

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
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.
3. Press UP or DOWN to select feature and press RIGHT soft key to move cursor.
4. Dial 1 for ON or 0 for OFF
OR
Press UP or DOWN to select and press RIGHT soft key.
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.

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

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

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

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

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

MMC: 300

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
OR
Press ANS/RLS to select all stations.

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

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

3. Enter new ring plan selection via
dial keypad
OR
Press 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
```

MMC: 301

4. Enter ring plan class of service (e.g., 05)
OR

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

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.

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

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

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.

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
2. Dial station number (e.g., 205)
OR
Use UP or DOWN to select station number
and press RIGHT soft key
OR
Press ANS/RLS key to select ALL.
3. Dial pickup group number (e.g. 05)
OR
Press UP or DOWN to select group number.
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.

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

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

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

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

MMC 302

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: <u>NONE</u> SECR 1: <u>NONE</u>
2. Dial BOSS station number (e.g., 205) OR Press UP or DOWN to select station and press RIGHT soft key.	BOSS STN: <u>NONE</u> SECR 1: <u>NONE</u> BOSS STN :205 SECR 1: <u>NONE</u>
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: <u>201</u> BOSS STN: 205 SECR <u>2</u> : 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
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.
3. Dial the trunk use group number (e.g., 304)
OR
Press UP or DOWN key to select trunk and press RIGHT soft key.
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.

```
[001] USE [301]  
DIAL: YES ANS: YES
```

```
[005] USE [301]  
DIAL: YES ANS: YES
```

```
[005] USE [304]  
DIAL: YES ANS: YES
```

```
[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.

[205] FORCD CODE
ACCT VERIFIED

4. Press TRANSFER to store and exit
OR

Press SPEAKER to store and advance to next
MMC.

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
2. Dial station number
OR
Use UP or DOWN to scroll through stations
Press RIGHT soft key to move the cursor.
3. Enter the hot line destination ie a station
or trunk ID (e.g., 9 or 701) with a maximum
of 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.

[201] HOT LINE

[205] HOT LINE

[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

1. Press TRANSFER 308
Display shows current setting
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.
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.

DISPLAY

[201] BGM SOURCE
BGM SOURCE:NONE

[205] BGM SOURCE
BGM SOURCE:NONE

[ALL] BGM SOURCE
BGM SOURCE:?

[205] BGM SOURCE
BGM SOURCE:3761

MMC: 308

4. Press TRANSFER 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

1. Press TRANSFER 309
Display shows current setting

DISPLAY

[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](#)
[MMC 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

1. Press TRANSFER 310
Display shows
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.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

DISPLAY

[201] LCR CLASS
LCR CLASS 1

[205] LCR CLASS
LCR CLASS 1

[ALL] LCR CLASS
LCR CLASS ?

[205] LCR CLASS
LCR CLASS 3

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

1. Press TRANSFER 312
Display shows
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.
3. Dial 0 or 1 to select option
OR
Press UP or DOWN to select option
and press right soft key to return to step 2.

DISPLAY

[201] CID/ANI
NOT ALLOW

[205] CID/ANI
NOT ALLOW

[ALL] CID/ANI
?

[ALL] CID/ANI
ALLOW

[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

1. Press TRANSFER 313.
Display shows.
2. Enter group number (e.g., 005)
OR
Press UP or DOWN keys to make selection
and press RIGHT soft key to move cursor.
3. Enter group number to copy from
cursor is returned to step 2
OR
Press UP or DOWN key to make selection.
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.

DISPLAY

[001] COPY USABLE
FROM:

[005] COPY USABLE
FROM:

[005] COPY USABLE
FROM: 003

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.
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.
3. Dial the station use group number (e.g., 004)
OR
Press UP or DOWN key to select station and
press RIGHT soft key.
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.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

[001] USE [001]
DIAL: YES

[005] USE [001]
DIAL: YES

[005] USE [004]
DIAL: YES

[005] USE [004]
DIAL: NO

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 7200 without wiring changes (see Allow Table below). This program is a one for one exchange with like stations. ie. Single line to single line, 7 button keyset to 7 button keyset, etc. All individual station assignments such as trunk ring, station group, station COS, station speed dial, button appearances, etc. will follow the Customer Set Relocation program. 12 button keysets and 24 button keysets can be exchanged. Basic 7 button keysets can be exchanged with Basic 7 button key sets. Add On Modules and 64 button modules can also be exchanged. Single line stations numbers can be exchanged. If incompatible set types are selected the DCS 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.

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

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

MMC: 315**CUSTOMER SET RELOCATION ALLOW TABLE**

	S/L	7 BTN	BSC 12	LCD 12	BSC 24	LCD 24	32 AOM	DCS & iDCS 64 AOM	iDCS 8D	iDCS 18D	iDCS 18D with iDCS 14 AOM	iDCS 28D	iDCS 28D with iDCS 14 AOM	ITP 5012L	ITP 5021D
S/L	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7 BTN	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BSC 12	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
LCD 12	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
BSC 24	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
LCD 24	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
32 AOM	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	NO
DCS & iDCS 64 AOM	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	NO	NO	NO
iDCS 8D	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO
iDCS 18D	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO
iDCS 18D with iDCS 14 AOM	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	NO	NO	NO
iDCS 28D	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO
iDCS 28D with iDCS 14 AOM	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	YES	NO	NO
ITP-5012L	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO
ITP-5021D	NO	NO	NO	NO	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

1. Press TRANSFER 315

Display shows

2. Enter first station number (e.g.,202)
-
- press RIGHT soft key to move cursor.

DISPLAYSET RELOCATION
EXT _ EXTSET RELOCATION
EXT 202 EXT _

MMC: 315

3. Enter second station number (e.g.,210)
Press RIGHT softkey to enter data.

```
SET RELOCATE  
EXT 202 EXT 210
```

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

```
SET RELOCATION  
EXT _ EXT
```

5. Press SPEAKER to advance to next MMC.

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

- Press TRANSFER 316
Display shows

Press RIGHT soft key to advance cursor
OR
Press ANS/RLS to select ALL.
- Dial valid number via keypad
OR
Press UP or DOWN to make selection
Press RIGHT soft key to return to step 1.

DISPLAY

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

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

```
[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

1. Press TRANSFER 317
Display shows

DISPLAY

[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

1. Press TRANSFER 320
Display shows
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.
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.
4. Press TRANSFER to exit the program
OR
Press SPEAKER to move on to the next program.

DISPLAY

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

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

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

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

DEFAULT DATA: 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

1. Press TRANSFER 400
Display show
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.
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.
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.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

DISPLAY

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

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

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

[704] TRK ON/OFF
TRK FORWARD :ON

[704] TRK ON/OFF
TRK FORWARD: OFF

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

1. Press TRANSFER 401
Display shows
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.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[701] PBX LINE
CO LINE

[704] PBX LINE
CO LINE

[ALL] PBX LINE
?

[704] PBX LINE
PBX LINE

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

1. Press TRANSFER 402
Display shows
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
OR
Press ANS/RLS to select ALL.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[701] DIAL TYPE
DTMF TYPE

[704] DIAL TYPE
DTMF TYPE

[ALL] DIAL TYPE
?

[704] DIAL TYPE
DIAL PULSE TYPE

DEFAULT DATA: ALL TRUNKS DTMF

RELATED ITEMS: [MMC 501 SYSTEM TIMERS](#)
[MMC 503 TRUNK-WIDE TIMERS](#)

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

1. Press TRANSFER 403
Display shows
2. Dial trunk number
OR
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor
OR
Press ANS/RLS to select ALL.

DISPLAY

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

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

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

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	Q	Z	.	)	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	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 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

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

DISPLAY

[701] TRUNK NAME

[704] TRUNK NAME

[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	Q	Z	.	)	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	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 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

[704] CO TEL NO.

Press UP or DOWN to select trunk and press
RIGHT soft key to move the cursor.

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
OR

```
[A11] TRK RING
1:500 2:500
```

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)

[704] TRK RING
1:205 2:500

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

[704] TRK RING
1:205 2:501

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.

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
2. Dial in trunk number (e.g., 704)
OR
Press UP or DOWN key selected trunk and
press right soft key
OR
Press ANS/RLS to select all trunks.
3. Dial 1 for YES
OR
Dial 0 for NO
(Pressing 1 or 0 will return to step 2).
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

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

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

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

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

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

1. Press TRANSFER 408
Display shows current setting
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
OR
Press ANS/RLS to select ALL.
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.
4. Press RIGHT soft key to move cursor to AA setting.
5. Use UP and DOWN keys to select AA source (e.g. 3761)
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[701] TRK MOH
MOH:TONE AA:NONE

[704] TRK MOH
MOH:TONE AA:NONE

[ALL] TRK MOH
MOH:TONE AA:NONE

[705] TRK MOH
MOH:3761 AA:NONE

[705] TRK MOH
MOH:371 AA:NONE

[705] TRK MOH
MOH:3761 AA:3761

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

1. Press TRANSFER 409
Display shows
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.
3. Enter in desired option 00-12 (e.g. 02)
OR
Press UP or DOWN key to make selection.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

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

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

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

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
2. Dial trunk number (e.g., 704)
OR
Press UP or DOWN key to select trunk and
press RIGHT soft key
OR
Press ANS/RLS key to select all trunks
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.

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

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

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

```
[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

1. Press TRANSFER 411
Display shows
- 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.

DISPLAY

```
[701] T1 SIGNAL
UNUSE
```

```
[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] T1 SIGNAL
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 7200.

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

1. Press TRANSFER 414
Display shows
2. Dial trunk number (e.g. 705)
OR
Press UP or DOWN to select trunk
and press RIGHT soft key to move cursor
OR
Press ANS/RLS to select ALL.
3. Dial 0, 1 or 2 to change options
OR
Press UP or DOWN to select an option
Press RIGHT soft key to enter and
return to step 1.

DISPLAY

[701] CID TRUNKS
NORMAL

[705] CID TRUNKS
NORMAL

[ALL] CID TRUNKS
?

[705] CID TRUNKS
C ID TRUNK

[705] CID TRUNKS
A NI 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

1. Press TRANSFER 415
Display shows
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.

DISPLAY

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

```
[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

1. Press TRANSFER 416
Display shows

DISPLAY

[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
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.

```
[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
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.

Press UP or DOWN key to make selection
Press RIGHT soft key to move cursor.
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.
4. Press ANS/RLS key to select ALL.

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

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

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

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

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

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

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
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.
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.
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.
5. Enter the priority level via the dial keypad.
(1-9 or NO)
6. Press TRANSFER to store and exit
OR
Press SPEAKER to save and advance to next
MMC.

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

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

```
[705] DIST RING  
T:1 C:NO PRI:NO
```

```
[705] DIST RING  
T:1 C:1 PRI:NO
```

```
[705] DIST RING  
T:1 C:1 PRI:1
```

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

RELATED ITEMS: [MMC 111 KEYSER 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.
2. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.
3. Enter trunk group number via dial keypad
Press RIGHT soft key to ENTER and proceed to the next step.
4. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.
5. Enter data via dial keypad or press HOLD for NONE.
Press RIGHT soft key to ENTER and proceed to next step.
6. Press UP or DOWN key to make selection.
7. Press RIGHT soft key to move cursor.
8. Press UP or DOWN key for selection.
Press RIGHT soft key to enter and move cursor.

```
ANI DNIS SET UP
TRK GROUP: _
```

```
ANI DNIS SET UP
TRK GROUP: _
```

```
ANI DNIS SET UP
TRK GROUP: 80
```

```
ANI DNIS SET UP
SEPARATOR 1: NONE
```

```
ANI DNIS SET UP
SEPARATOR 1: NONE
```

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

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

```
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

1. Press TRANSFER 421
Display shows first trunk
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
OR
Press ANS/RLS to select all trunks.
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.

DISPLAY

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

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

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

```
[705] TRK COS
4:01 5:01 6:01
```

MMC: 421

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

[705]	TRK	COS
1:05	2:05	3: <u>01</u>

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.

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
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.
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 0 for NO and press RIGHT soft key to return to step 1
OR
4. Press TRANSFER to store and exit.

```
[701] :12345678
CR    :00000000
```

```
[705] :12345678
CR    :00000000
```

```
[701] :12345678
CR    :01000000
```

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

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
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.
3. Dial 1 for YES
OR
Dial 0 for NO.
Pressing 1 or 0 will advance to step 4.
4. Dial 1 for YES
OR
Dial 0 for NO.
Pressing 1 or 0 will return to step 2.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

[7025] RESTART
CARD RESTART?NO

[7133] RESTART
CARD RESTART?NO

[7133] RESTART
CARD RESTART?YES

[7133] RESTART
ARE YOU SURE?YES

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)

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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 |

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8. Press RIGHT soft key and press UP or DOWN key to make selection.
9. Press RIGHT soft key twice and press UP key.
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
SWH: 5ESS10

[7030] PRI OPTION
USE CHANNEL: 23

[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
```

MMC: 432

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
```

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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 | Sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99. |
| 3 DISA LOCK | 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.
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.
3. Enter in new value via dial keypad.
If entry is valid, system will return to step 2.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

ALARM REM.CNTER
05→

UCDS VISUAL ALARM
00→

UCDS VISUAL ALARM
00→02

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.
2. Press UP or DOWN key to select timer and
press RIGHT soft key to move cursor.
3. Enter new value using keypad; if valid, system
returns to step 2 with new value.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

```
AA INT DGT TIME
05 SEC
```

```
KMMC LOCK OUT TM
30 SEC _
```

```
KMMC LOCK OUT TM
30 SEC 250
```

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	1000 MS	100-2500 MS
ALM REM.INTERVAL*	25 SEC	1-250 SEC
ALM REM.RING OFF*	10 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	10 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 DISCONNECT	002 MIN	1-250 SEC
RECALL WAIT TIME	15 SEC	000-250 SEC
ROUTE OPTIMIZE	10 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	5 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.

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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 PCMMC/OfficeServ™ Manager (OSM) activity, drops the link if no action is created by PCMMC/OfficeServ™ Manager (OSM) 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.

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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.
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.
3. Enter new value (must be three digits) via
dial keypad (e.g., 020).
System will return to step 2.
4. Dial timer number from above list (e.g. 2)
OR
Press UP or DOWN key to select and press
RIGHT soft key to move cursor.
5. Enter new timer value (must be four digits,
e.g. 0200).
System returns back to step 2.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

[201] NO ANS FWD
010 SEC →

[205] NO ANS FWD
010 SEC →_

[ALL] NO ANS FWD
010 SEC →_

[205] NO ANS FWD
010 SEC →020

[205] DTMP DUR.
0100 MS →_

[205] DTMP DUR.
0100 MS →0200

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.

<u>TIMER</u>	<u>DESCRIPTION</u>
--------------	--------------------

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 seized.

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

1. Press TRANSFER 503.
Display shows.
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.
3. Dial timer number from the list
OR
Press UP or DOWN key to select timer and
press RIGHT soft key to move cursor.
4. Enter new timer value (must be four digits,
e.g., 0700).
System returns to step 2.

DISPLAY

```
[701] ANS.BAK TM  
0600 MS →
```

```
[704] ANS.BAK TM  
0600 MS →
```

```
[ALL] ANS.BAK TM  
0600 MS →
```

```
[704] DTMF DUR.  
0600 MS →
```

```
[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

<u>TIMER NUMBER</u>	<u>TIMER NAME</u>	<u>VALUE</u>	<u>RANGE</u>
0	ANS.BAK TM	6000 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

1. Press TRANSFER 504.
Display shows.
2. Dial 0 or 1 for option
OR
Press UP or DOWN key for selection and
press RIGHT soft key to move cursor.
3. Dial new value.
System returns to step 2.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

MAKE/BREAK RATIO
33 MAKE→

PULSE PER SECOND
10 PPS →_

PULSE PER SECOND
10 PPS →20

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.
2. Enter new time and date using above table.
System returns to step 2.
3. Verify time and date.
Reenter if necessary.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

OLD:6010184:0047
NEW:WMMDDYY:HHMM

OLD:6010184:0047
NEW:3020994:1445

OLD:3020994:1445
NEW:WMMDDYY:HHMM

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.

<u>TONE NAME</u>	<u>DESCRIPTION</u>
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

1. Press TRANSFER 506.
Display shows.

DISPLAY

BUSY TONE
CONTINUOUS TONE

MMC: 506

2. Dial tone number from above list (0–9, e.g., 9)
OR

TRSFER TONE
INTERRUPT TONE

Press UP or DOWN key to select tone, press
LEFT soft key and advance to step 3.

3. Dial tone option 0 for CONTINUOUS or
1 for INTERRUPT
OR

TRSFER TONE
INTERRUPT TONE

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.

4. Dial new value for interrupt times (must be
four digits).

TRSFER TONE: 0100
9900 0100 9900

Press RIGHT soft key advances cursor.

Press LEFT soft key retreats cursor.

If valid entry, system returns to step 2.

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

1. Press TRANSFER 507.
Display shows.
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.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

```
RING PLAN (SUN:1)  
ST:0000 END:0000
```

```
RING PLAN (WED:1)  
ST:0000 END:0000
```

```
RING PLAN (WED:1)  
ST:1730 END:0800
```

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

1. Press TRANSFER 510.
Display shows.
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.

DISPLAY

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

```
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

1. Press TRANSFER 511.
Display shows.
 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.
 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.

DISPLAY

MW LAMP CADENCE
CONTINUOUS LED

MW LAMP CADENCE
INTERRUPT LED

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.
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).
3. Press the RIGHT softkey to enter and advance cursor.
4. Press UP or DOWN key to scroll to assign Holiday and press RIGHT soft key to advance cursor.
5. Press UP or DOWN key to select entry and press RIGHT soft key enter and advance cursor.
6. Dial date using the dial pad for holiday (eg. 0704).

RING PLAN
FOLLOW 1

RING PLAN
FOLLOW 2

RING PLAN
FOLLOW 2

ASSIGN HOLIDAY
01:

ASSIGN HOLIDAY
05:

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: 513

HOTEL / MOTEL TIMERS

DESCRIPTION:

This is a Hotel / Motel software specific MMC.

This MMC is where the check out time for guest rooms, the room clean timers, and the check in grace period timer are set. These are system wide timers that affect all rooms.

0 = CHECK OUT TIME
1 = ROOM CLEAN TIME
2 = CHECK IN END TIME

CHECK OUT TIME If a room is occupied during the checkout time an additional days room charge will be automatically added to the room bill. If a room is flagged as HOLD the additional days room charge will not be added. (Setting a room status to HOLD is how a late check out can be performed.)

ROOM CLEAN TIME This is the time each day that the system will flag all occupied rooms as NEEDS CLEANING.

CHECK IN END TIME This timer is the beginning of the Check In Grace Period. Any room checked in after this time, and before the Check Out Time, will not be charged an additional days room charge, when the Check Out Time is reached.

PROGRAM KEYS

KEYPAD Used to enter selections
SPEAKER Used to store data and advance to next MMC

ACTION

1. Press TRANSFER 513.
Display shows.
2. Select the desired timer by dialing 0~2.

Press UP or DOWN keys to make selection.
Press RIGHT soft key to advance cursor.

DISPLAY

CHECK OUT TIME
HH:MM :

ROOM CLEAN TIME
HH:MM :

MMC: 513

3. Enter new time using above 24 hour clock.
System returns to step 2.
4. Verify time and reenter if necessary.
Press RIGHT soft key to go to step 2.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

ROOM CLEAN TIME
HH:MM : 11:00

ROOM CLEAN TIME
HH:MM : 11:00

DEFAULT DATA: NONE

RELATED ITEMS: NONE

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: <u>5</u> 00	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: <u>5</u> 00

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 40 programmable groups available in a OfficeServ 7200 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 7200 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.

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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 7200-M system and group 549 must be used for a OfficeServ 7200-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

MMC: 601

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 48.
 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 7200 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.

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- 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

1. Press TRANSFER 601.
Display shows.
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.
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.
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.
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.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

[501] STN.GROUP
TYPE:NORMAL GRP

[505] STN.GROUP
TYPE:NORMAL GRP

[505] STN GROUP
TYPE:VMAA

[505] STN GROUP
RING:SEQUENTIAL

[505] STN GROUP
RING:DISTRIBUTE

[505] STN GROUP
RING:DISTRIBUTE

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	Q	Z	.	)	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	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 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

1. Press TRANSFER 602.
Display shows.
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.
3. Enter in name using above method and table.

DISPLAY

[500] SGR NAME

[505] SGR NAME

[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

1. Press TRANSFER 603.
Display shows.
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.
3. Press RIGHT soft key to change mode
OR
Press UP or DOWN key to change mode to
member.

DISPLAY

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

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

```
[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.
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.
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.
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(1)
MEMBER 01:NONE

INT.PAGE ZONE(3)
MEMBER 01:NONE

INT.PAGE ZONE(3)
MEMBER 05:NONE

INT.PAGE ZONE(3)
MEMBER 05:205

MMC: 604

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.
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.
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.
4. Dial relay number via dial keypad (e.g., 3602)
and press RIGHT soft key to return to step 2
OR
Press LEFT soft key to return to step 3 above.

EXT. PAGE ZONE: (5)
MEMBER 1:3601

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

EXT. PAGE ZONE: (6)
MEMBER 3:

EXT. PAGE ZONE: (6)
MEMBER 3:3602

MMC: 605

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 7200 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

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.
2. Press RIGHT soft key to advance to next line.
3. Make a selection of SYSTEM or EXT using UP or DOWN key.
Press RIGHT soft key to advance cursor.

DISPLAY

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

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

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

FREE LIST:20
EXT205:1

BUSY LIST:60
EXT205:5

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."

MMC: 607

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.
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.
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.
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  
FIRST MSG :61
```

```
[542] SALES  
FIRST MSG :61
```

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

```
[530] UCD GROUP  
UCD RECALL:010 SEC
```

```
[530] UCD GROUP  
UCD RECALL:010 SEC
```

```
[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 2000 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

1. Press TRANSFER 608.
Display shows first station.
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.
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).
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

```
[201] REVW BLOCK  
NONE: 1500 FREE
```

```
[205] REVW BLOCK  
NONE: 1500 FREE
```

```
[205] REVW BLOCK  
50 : 1450 FREE
```

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 2000 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

1. Press TRANSFER 609.
Display shows first station.
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.
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).
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

[201] LOG BLOCK
NONE: 1500 FREE

[205] LOG BLOCK
NONE: 1500 FREE

[205] LOG BLOCK
50 : 1450 FREE

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

1. Press TRANSFER 611.
Display shows.
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.
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.
4. Press TRANSFER to exit the program.
OR
Press SPEAKER to move on to the next program.

DISPLAY

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

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

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

DEFAULT DATA: ITP-5012L sets are automatically set to USED

RELATED ITEMS: [MMC 117 TEXT MESSAGE](#)

MMC: 612

ALLOW GROUP CONFERENCE

DESCRIPTION:

This program allows an ITP5012L 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

1. Press TRANSFER 612.
Display shows.
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.
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.
4. Press TRANSFER to exit the program
OR
Press SPEAKER to move on to the next program.

DISPLAY

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

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

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

DEFAULT DATA: ITP5012L 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

1. Press TRANSFER 614.
Display shows first station.

DISPLAY

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 7200, iDCS 500 the and iDCS 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 7200, iDCS 500 and iDCS 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

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.

USER: PUB IP ITP
MODE: SEQUENTIAL

OR

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.
2. Press UP or DOWN key to select an option
OR Press RIGHT soft key to move cursor
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.
4. Press UP or DOWN key to select a different
MGI port OR press RIGHT soft key to move
cursor.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

(3801) MGI USER
NONE

(3801) MGI USER
NONE

(3801) MGI USER
278

(3802) MGI USER
NONE

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.
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.
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.
4. Press F key to advance to MMC 701 and
press RIGHT soft to advance cursor.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

```
COPY COS ITEMS
COS 01→COS 01
```

```
COPY COS ITEMS
COS 05→COS 01
```

```
COPY COS ITEMS
COS 05→COS 06
```

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

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

<u>DIAL DIGIT</u>	<u>TOLL LEVEL</u>	<u>DIAL DIGIT</u>	<u>TOLL LEVEL</u>
0	A	4	E
1	B	5	F
2	C	6	G
3	D	7	H

ACTION

1. Press TRANSFER 701.
Display shows.
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.
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.

DISPLAY

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

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

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

MMC: 701

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

COS CONTENTS (06)
09:DND : YES

COS CONTENTS (06)
09:DND : NO

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

MMC: 701

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 EHL	Trunk Exclusive Hold
62	UNCO CNF	Conference
63	VM AREC	Auto Record
64	VM AME	Answer Machine Emulator
65	VM REC	Call Record

MMC: 701

CALL STN GROUP

LCD Display

STNGRP 01
STNGRP 02
STNGRP 03
STNGRP 04
STNGRP 05
STNGRP 06
STNGRP 07
STNGRP 08
STNGRP 09
STNGRP 10
STNGRP 11
STNGRP 12
STNGRP 13
STNGRP 14
STNGRP 15
STNGRP 16
STNGRP 17
STNGRP 18
STNGRP 19
STNGRP 20
STNGRP 21
STNGRP 22
STNGRP 23
STNGRP 24
STNGRP 25
STNGRP 26
STNGRP 27
STNGRP 28
STNGRP 29
STNGRP 30
STNGRP 31
STNGRP 32
STNGRP 33
STNGRP 34
STNGRP 35
STNGRP 36
STNGRP 37
STNGRP 38
STNGRP 39
STNGRP 40

COS Option

Station group 01 calling
Station group 02 calling
Station group 03 calling
Station group 04 calling
Station group 05 calling
Station group 06 calling
Station group 07 calling
Station group 08 calling
Station group 09 calling
Station group 10 calling
Station group 11 calling
Station group 12 calling
Station group 13 calling
Station group 14 calling
Station group 15 calling
Station group 16 calling
Station group 17 calling
Station group 18 calling
Station group 19 calling
Station group 20 calling
Station group 21 calling
Station group 22 calling
Station group 23 calling
Station group 24 calling
Station group 25 calling
Station group 26 calling
Station group 27 calling
Station group 28 calling
Station group 29 calling
Station group 30 calling
Station group 31 calling
Station group 32 calling
Station group 33 calling
Station group 34 calling
Station group 35 calling
Station group 36 calling
Station group 37 calling
Station group 38 calling
Station group 39 calling
Station group 40 calling

MMC: 701

CALL TRK GROUP

LCD Display

TRKGRP01
TRKGRP02
TRKGRP03
TRKGRP04
TRKGRP05
TRKGRP06
TRKGRP07
TRKGRP08
TRKGRP09
TRKGRP10
TRKGRP11
TRKGRP12
TRKGRP13
TRKGRP14
TRKGRP15
TRKGRP16
TRKGRP17
TRKGRP18
TRKGRP19
TRKGRP20
TRKGRP21
TRKGRP22
TRKGRP23
TRKGRP24
TRKGRP25
TRKGRP26
TRKGRP27
TRKGRP28
TRKGRP29
TRKGRP30

COS Option

Trunk group 01 calling
Trunk group 02 calling
Trunk group 03 calling
Trunk group 04 calling
Trunk group 05 calling
Trunk group 06 calling
Trunk group 07 calling
Trunk group 08 calling
Trunk group 09 calling
Trunk group 10 calling
Trunk group 11 calling
Trunk group 12 calling
Trunk group 13 calling
Trunk group 14 calling
Trunk group 15 calling
Trunk group 16 calling
Trunk group 17 calling
Trunk group 18 calling
Trunk group 19 calling
Trunk group 20 calling
Trunk group 21 calling
Trunk group 22 calling
Trunk group 23 calling
Trunk group 24 calling
Trunk group 25 calling
Trunk group 26 calling
Trunk group 27 calling
Trunk group 28 calling
Trunk group 29 calling
Trunk group 30 calling

CALL BIVMS GROUP

LCD Display

BIVMSSTN01
BIVMSSTN02
BIVMSSTN03
BIVMSSTN04
BIVMSSTN05
BIVMSSTN06
BIVMSSTN07

COS Option

SVM Port 01 calling
SVM Port 02 calling
SVM Port 03 calling
SVM Port 04 calling
SVM Port 05 calling
SVM Port 06 calling
SVM Port 07 calling

MMC: 701

CALL BIVMS GROUP

LCD Display	COS Option
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)

DENY (005) :BCDEFG
:000000

OR

Enter wild card (e.g., 21X) from above list and
press RIGHT soft key to move cursor to
COS options.

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

DENY (001) :	BCDEFG
212	:000100

(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.

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

1. Press TRANSFER 703.
Display shows.
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.

DISPLAY

```
ALLOW(001) :BCDEFG  
          :000000
```

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

```
ALLOW(005) :BCDEFG  
212          :000000
```

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

```
:0123456789*#  
X:000000000000
```

```
:0123456789*#  
Z:0000000000000
```

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

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.
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.
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.
4. Press F key to toggle to MMC 706 step 3 to
enter name.

SYS SPEED DIAL
500:

SYS SPEED DIAL
505:

SYS SPEED DIAL
505:9-121223456789

SYS SPEED NAME
505:

MMC: 705

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	Q	Z	.	)	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	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 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

1. Press TRANSFER 706.
Display shows.
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.

DISPLAY

SYS SPEED NAME
500:

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

SYS SPEED NAME
505:TELECOMS

OR

Press the F key to toggle to speed dial number to return to MMC 705, step 5.

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

ACCOUNT CODE
001:

ACCOUNT CODE
005:

ACCOUNT CODE
005:123456789012

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.
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.
2. Enter index number (e.g., 3)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key to move cursor.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

PBX ACCESS CODE
1:

TOLL OVERRIDE.
1:

TOLL OVERRIDE.
3: _

TOLL OVERRIDE.
3: 911

DEFAULT DATA: NONE

MMC: 709

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.
2. Dial LCR entry (e.g., 0005)
OR
Press UP or DOWN to select entry and press RIGHT soft key to move cursor.
3. Enter LCR digit string via the dial keypad and press RIGHT soft key
OR
Press LEFT soft key to return to step 1.
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 (0001)
DIGIT:

LCR DIGIT (0005)
DIGIT: _

LCR DIGIT (0005)
DIGIT:305426

LCR DIGIT (0005)
LENGTH:10 RT:01

MMC: 710

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 32 routes available. If more than one trunk group is available for call completion, the system uses the first designated trunk group and then starts to utilise succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

PROGRAM 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)

LCR ROUTE (05:2)
C:4 G:801 M:---

OR

Press UP or DOWN to selected access code and press RIGHT soft key to move cursor.

6. Dial MODIFY DIGITS index number (e.g., 050)

LCR ROUTE (05:2)
C:4 G:801 M: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:---

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.

<u>OPTION</u>	<u>MAXIMUM NUMBER OF DIGIT ENTRIES</u>
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

1. Press TRANSFER 713.
Display shows.
2. Enter index number (e.g., 005)
OR
Press UP or DOWN keys to make selection
and press RIGHT soft key to move cursor.
3. Enter number of digits to delete
OR
Press RIGHT soft key to skip step and move
cursor to next step.

DISPLAY

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

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

```
LCR MODIFY (005)
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.
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.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

LCR MODIFY (005)
I:1010288_

LCR MODIFY (005)
A:45678_

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 7200 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 VM MOH source requires a dedicated SVM port/channel.

MMC: 714

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).

MMC: 714**• DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	Q	Z	.	)	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	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 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.
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.
3. Enter digits to be translated (e.g. 5065)
via dial keypad and press RIGHT
soft key to move cursor.
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.
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.
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 (001)
DGT:

DID DIGIT (005)
DGT:

DID DIGIT (005)
DGT: 5065

DID DIGIT (005)
MOH SOURCE: F-TRK

DID DIGIT (005)
1: 530 2:

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	Q	Z	.	)	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	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: 715**• 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 #.

There are 15 messages in a OfficeServ 7200 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

1. Press TRANSFER 715.
Display shows.
2. Enter index number (e.g., 11)
OR
Press UP or DOWN arrow to make selection.
Press RIGHT soft key to move cursor.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

PGM.MESSAGE (01)
IN A MEETING

PGM.MESSAGE (11)
—

PGM.MESSAGE (11)
SunBathing

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 7200 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

1. Press TRANSFER 717.
Display shows.
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.
3. Press UP or DOWN to select country. Enter 1 for USA.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

```
MY AREA CODE  
AREA      :
```

```
MY AREA CODE  
AREA:      2
```

```
MY AREA CODE  
COUNTRY   : 1
```

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 100 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

1. Press TRANSFER 718.
Display shows.
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.
3. Enter ID code via keypad (e.g. 1234) and press RIGHT soft key to move cursor.
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.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

```
AGENT PIN (001)
ID:  GRP:
```

```
AGENT PIN (005)
ID: _ GRP:
```

```
AGENT PIN (005)
ID:1234 :GRP:
```

```
AGENT PIN (005)
ID:1234 :GRP:505
```

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	Q	Z	.	)	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	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 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

1. Press TRANSFER 719.
Display shows.
2. Press the location of the line of a large LCD phone
(01~12) on which guidance data is to be displayed.
OR
Press VOLUME to select the desired location of the line. Press the RIGHT soft button to move the cursor.

DISPLAY**IDLE DISPLAY (01)****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.
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.
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.
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.

[201] COPY KEY
FROM:NONE

[205] COPY KEY
FROM:NONE

[205] COPY KEY
FROM:203

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 7200 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.
2. Enter desired station number (e.g., 205)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key.
3. Press UP or DOWN key to make function
selection (e.g., 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.

[201] SAVE KEY
RESTORE

[205] SAVE KEY
RESTORE

[205] SAVE KEY
SAVE

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 7200 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

1. Press TRANSFER 722.
Display shows.
2. Enter selected station number (e.g., 205)
OR
Press UP or DOWN key to select station.
Press RIGHT soft key to move cursor.

DISPLAY

[201] KEY PROG.
01:CALL1 →

[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 PROGRAMMING](#)

- **DCS KEYSETS**

Default 24 Button Keypad 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

MMC: 722

Default 12 Button Keypad

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:CONF	08:SPD	09:LNR	10:PAGE	11:CBK	12:MSG

Default 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 DSS Box

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 Keypad

01:CALL1	02:CALL2	03:NONE
04:NONE	05:NONE	06:NONE
	07:MSG	

MMC: 722

- iDCS KEYSETS**

Default 28 Button Keypad

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 Keypad

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 Keypad

01:CALL1	02:CALL2	03:MESSAGE	04:TRANSFER
05:NONE	06:NONE	07:NONE	08:SPEAKER

Default 14 Button DSS Box

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

MMC: 722

Default 64 Button DSS Box

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

- ITP KEYSETS**

ITP-5021D

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-5012L

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

MMC: 722

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
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	

MMC: 722

Programmable Key Assignments

ABAND: ABANDONED CALL
ABW: AGENT BUSY WRAPUP
ACC: ACCOUNT
ALARM: CONTACT ALARM CLEAR
AN/RLS: ANSWER/RELEASE
BARGE: BARGE-IN
BILL: BILL FEATURE [H/M]
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 [H/M]
CHOUT: CHECK OUT [H/M]
CHOICE: CHOICE (RELATED TO NEWS SERVICE)
CID: CALLER ID/ANI*
CONF: CONFERENCE
CONP: CONNECTED NAME ID PRESENTATION
CR: CALL RECORD**
CREDIT: CREDIT FEATURE [H/M]
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

MMC: 722

HDSET: HEADSET MODE
HLDPK: HOLD PICKUP
HOLD: HOLD
HOTEL: MULTI FUNCTION KEY [H/M]
IG: IN/OUT OF GROUP
INFDSP: INFO DISPLAY
INQUIRE: 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
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: REMOTE BILLING [H/M] (LOBBY PHONE SVC)
REJECT: OHVA REJECT
RETRY: AUTO REDIAL ON BUSY
REVW: REVIEW (CID*/ANI)
RP: RING PLAN
RSV: ROOM STATUS VIEW [H/M]
RTO: RING TIME OVERRIDE
SETDND: SET DO NOT DISTURB AT ANOTHER PHONE

MMC: 722

SETMG: SET MESSAGE W/O RING
SG: STATION GROUP
SLOCAT: STAFF LOCATOR FEATURE [H/M] *(Not Used in USA)*
SNR: SAVED NUMBER REDIAL
SP: UCD SUPERVISOR
SPD: SPEED DIAL
SPKR: SPEAKER
STATE: SET EXECUTIVE STATE
STORE: STORE DISPLAYED NUMBER (CID*/ANI)
SYSALM: SYSTEM ALARMS
TG: TRUNK GROUP
TIMER: TIMER
TRARPT: TRAFFIC REPORT
TRSF: TRANSFER
UA: UNIVERSAL ANSWER
VM: VOICE MAIL MEMO
VMADM: VOICE MAIL ADMINISTRATION**
VMAME: ANSWER MACHINE EMULATION**
VMSG: VOICE MAIL MESSAGE KEY**
VREC: VOICE RECORD FOR VOICE DIALING
VT: VOICEMAIL TRANSFER
WAKE UP: WAKE UP
XCHIN: EXPRESS CHECK IN FEATURE [H/M]

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.
Display shows.
2. Enter type of set via dial keypad (e.g.,5)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key.
3. Enter key number (e.g., 18)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key.
4. Using table above, press dial keypad number
to make selection
OR
Press UP or DOWN key to make selection
and press RIGHT soft key to advance cursor
to step 5 to enter extender, if required
OR
Press LEFT soft key to return to step 3.
5. If required, enter extender (e.g.,03)
OR
Press UP or DOWN key to make selection
and press RIGHT soft key to return to step 2.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

```
TYPE:24 BTN SETS  
01:CALL1 →
```

```
TYPE:24 BTN SETS  
01:CALL1 →
```

```
TYPE:24 BTN SETS  
18:DS →
```

```
TYPE:24 BTN SETS  
18:DS →GPIK
```

```
TYPE:24 BTN SETS  
18:DS →GPIK03
```

MMC: 723

DEFAULT DATA:

- DCS KEYSETS**

Default 24 Button Keypad 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 Keypad

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:CONF	08:SPD	09:LNR	10:PAGE	11:CBK	12:MSG

Default 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 DSS Box

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

MMC: 723

57:DS	58:DS	59:DS	60:DS
61:DS	62:DS	63:DS	64:DS

Default 7 Button Keypad

01:CALL1	02:CALL2	03:NONE
04:NONE	05:NONE	06:NONE
	07:MSG	

- iDCS KEYSETS**

Default 28 Button Keypad

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 Keypad

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 Keypad

01:CALL1	02:CALL2	03:MESSAGE	04:TRANSFER
05:NONE	06:NONE	07:NONE	08:SPEAKER

MMC: 723

Default 14 Button DSS Box

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

Default 64 Button DSS Box

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

- ITP KEYSETS**

ITP-5021D

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

MMC: 723

ITP-5012L

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
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

MMC: 723

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
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

MMC: 723

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
INQUIRE: 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
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

MMC: 723

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
REVIEW: REVIEW (CID*/ANI)
RP: RING PLAN
RSV: HOTEL/MOTEL ROOM STATUS VIEW
RTO: RING TIME OVERRIDE
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
SPKR: SPEAKER
STATE: SET EXECUTIVE STATE
STORE: STORE DISPLAYED NUMBER (CID*/ANI)
SYSALM: SYSTEM ALARMS
TG: TRUNK GROUP
TIMER: TIMER
TRARPT: TRAFFIC REPORT
TRSF: TRANSFER
UA: UNIVERSAL ANSWER
VDIAL: VOICE DIAL ACCESS
VM: VOICE MAIL MEMO
VMADM: VOICE MAIL ADMINISTRATION**
VMAME: ANSWER MACHINE EMULATION**
VMSG: VOICE MAIL MESSAGE KEY**
VREC: VOICE RECORD FOR VOICE DIALING
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: 724**DIAL NUMBERING PLAN****DESCRIPTION:**

This MMC allows the technician to change directory numbers for stations, trunks, station groups, trunk groups and feature access codes. The system can be preprogrammed with a default three or four digit numbering for station, station groups and trunk numbers depending on the position of the DIP switches on the MCP card. Default numbering plan is only assigned once the system is powered up for the first time OR once the system memory has been manually cleared. There is an error message provided to prevent the accidental duplication of a directory number or feature access code.

DIAL	OPTION	DESCRIPTION
00	STN NUM PLAN	This is where station directory numbers are changed or assigned
01	TRK NUM PLAN	This is where trunk directory numbers are changed or assigned
02	AA/VD NUMPLAN	NOT USED.
03	MISC NUM PLAN	This is where directory numbers for relays, MOH ports, and the Internal Modem are changed or assigned
04	STNG NUMBER PLAN	This is where station group numbers are changed or assigned
05	TRKG NUMBER PLAN	This is where trunk group numbers are changed or assigned
06	FEAT NUMBER PLAN	This is where feature access codes are changed or assigned. Dialing codes are entered via the dial pad key by pressing the dial pad number, the required steps to select this feature. For example, for OHVA, the number 6 would be pressed three times. NOTE: Please remember that this program is system-wide.
07	BRI STN NUM PLAN	NOT USED.

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09	NTWK LCR NUMPLAN	This is where additional LCR access codes are entered in the case where two or more systems are networked together.
10	VIRT EXT NUMPLAN	This is where virtual station directory numbers are changed or assigned.
11	MGI NUM PLAN	This is where the MGI port directory numbers are changed or assigned.
12	IP STN NUM PLAN	This is where IP-based station directory numbers are changed or assigned
14	VOIP NET NUMPLAN	This is where Samsung proprietary switch-to-switch enhanced IP networking port directory numbers are changed or assigned
15	H323 TRK NUMPLAN	This is where VOIP H.323 trunk port directory numbers are changed or assigned
17	SIP TRK NUM PLAN	This is where VOIP SIP trunk port directory numbers are changed or assigned
18	UMS DIAL NUMBE	This is where IP UMS directory numbers are changed or assigned
19	SIP STN DIAL NO	This is where SIP-based station directory numbers are changed or assigned

FEATURE NUMBERING DIAL KEY PAD

COUNT→	1	2	3
DIAL 2	ABAND	BARGE	CAMP
DIAL 3	DGPALM	DGPALM	FAUTO
DIAL 4	GCONF	HDSET	IG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	RB	SETMG
DIAL 8	UA	UA	VDIAL
DIAL 9	WAKEUP	WAKEUP	WAKEUP

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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 724.
Display shows.
2. Press UP or DOWN key to make selection
and press RIGHT soft key to advance cursor.
3. Press UP or DOWN key to make selection
OR
Dial letters of feature name (e. g., 71).
4. Then press RIGHT soft key to advance
cursor.

Enter desired directory number digits
(e.g., 55) via the dial keypad.
5. Press LEFT soft key to enter change and
continue to make changes.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

STN NUM PLAN : C1
S2-P01:201 →

FEAT NUMBER PLAN
ABAND : 64 →

FEAT NUMBER PLAN
ABAND : 64 →

FEAT NUMBER PLAN
PAGE : NONE→_

FEAT NUMBER PLAN
PAGE : NONE→55_

FEAT NUMBER PLAN
PAGE : NONE →55

DEFAULT DATA: SEE BELOW

STN NUM PLAN:	201 ~ 2xx OR 2001 ~ 2xxx
TRK NUM PLAN:	701 ~ 7xx OR 7001 ~ 7xxx
STNG NUMBER PLAN:	501 ~ 5xx OR 5001 ~ 5xxx
TRKG NUMBER PLAN:	9, 800 ~ 8xx

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MISC NUMB PLAN:	MISC01 MOH EXT 3762 MISC02 MOH EXT 3763 MISC03 PAGE T&R 3751 MISC04 LOUD BELL 3995 MISC05 COMMON BELL 3991 MISC06 3752 (RELAY 1) MISC07 3753 (RELAY 2) MISC08 3761 (INTERNAL CHIMES)	
FEAT NUMBER PLAN:	ABAND	64
	ABW	NONE
	ACCT	47
	ALLCLR	NONE
	ALMCLR	57
	AUTH	*
	BARGE	NONE
	BILL	NONE
	BLOCK	NONE
	BOSS	NONE
	CAMP	45
	CANMG	42
	CBK	44
	CHIN	NONE
	CHOUT*	NONE
	CHOICE	NONE
	CONF	46
	CONP	NONE
	CR	NONE
	CREDIT	NONE
	DGPALM	NONE
	DIR	NONE
	DIRPK	65
	DISALM	58
	DIVERT	NONE
	DLOCK	13
	DND	40
	DND0	NONE
	E-LCR1	NONE
	E-LCR2	NONE
	E-LCR3	NONE
	E-LCR4	NONE
	FAUTO	14
	FLASH	49
	FWD	60
	GRPK	66
	HDSET	NONE
	HLDPK	12
	HOLD	11
	HOTEL	NONE
	IG	NONE
	INFDSP	NONE

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	LCR	NONE
	LISTN	NONE
	LNR	19
	LOG	NONE
	MMPA	56
	MMPG	54
	MSG	43
	MYGRPK	NONE
	NEW	18
	NOCLIP	NONE
	NPAGE	NONE
	OHVA	NONE
	OPER	0
	PAGE	55
	PAGPK	10
	PARK	NONE
	PMSG	48
	PTHR	NONE
	RB	NONE
	REJECT	NONE
	RP	NONE
	RSV	NONE
	RTO	NONE
	SETMG	41
	SLOCAT	NONE
	SLTALM	NONE
	SLTMMC	15
	SNR	17
	SPEED	16
	SLOCAT	NONE [NOT USED IN USA]
	STATE	NONE
	UA	67
	VMADM	NONE
	VMAME	NONE
	VMMEMO	#
	VMMSG	NONE
	WAKEUP	NONE
	WCOS	59
NTWK LCR NUM PLAN:	NONE	
VIRT EXT NUM PLAN:	3501~3522 & 3401~3440	
MGI NUM PLAN:	3801~	
IP STN NUM PLAN:	3201 ~	
VOIP NET NUM PLAN:	8301 ~	
H323 TRK NUM PLAN:	8401 ~	
SIP TRK NUM PLAN:	8501 ~	
UMS DIAL NUMBER:	3681 ~ 3696	
SIP STN DIAL NO:	3601 ~	

MMC: 725

SMDR OPTIONS

DESCRIPTION:

Allows the system administrator to select the information printed on the SMDR report. The following options may be selected to print on SMDR:

- | | |
|---------------------|--|
| 00. PAGE HEADER | This option determines whether a page header will print at the top of each page. This would normally be turned off if SMDR is being sent to a Call Accounting machine. |
| 01. LINE PER PAGE | This option selects the length of each page to determine when to print the SMDR header. The number of lines may be in the range 01–99. |
| 02. INCOMING CALL | This option determines whether incoming calls will print on SMDR. |
| 03. OUTGOING CALL | This option determines whether outgoing calls will print on SMDR. |
| 04. AUTHORIZE CODE | This option determines whether authorization codes will print on SMDR. |
| 05. SMDR START TIME | This option determines whether valid calls will include the minimum call time in total call duration. |
| 06. IN/OUT GROUP | This option allows a message, IN GROUP or OUT GROUP, to be printed in the digits dialed column each time a station enters or leaves a group. |
| 07. DND CALL | This option allows a message, IN DND or OUT DND, to be printed in the digits dialed column each time a station enters or leaves DND. |
| 08. WAKE-UP CALL | This option determines whether stations receiving an alarm reminder call will print on SMDR. |
| 09. DIRECTORY NAME | This option allows the system administrator to enter a 16 character name which will appear on the SMDR header. |

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- | | |
|-----------------------|---|
| 10. CALLER ID† | This option can be selected to print Caller ID data received from the Central Office on incoming calls. This option requires the use of a 132 column (wide carriage) printer or an 80 column printer set for condensed print. |
| 11. ABANDON CALL† | If this option is set to YES, unanswered calls for which CID information was received will print on SMDR. |
| 12. NO. OF DIAL MASK | If this option is set to a numeric value, the selected last digits of the number dialed field will be masked as asterisks (*) on the SMDR print out. Maximum masked digits is 18. |
| 13. INCOMING ANSWER | If this option is set to YES, the duration of calls ringing before answered will print on SMDR. |
| 14. INTERCOM CALL | If set to YES intercom calls will print on SMDR. |
| 15. KEY MMC IN/OUT | If set to YES then the SMDR record will show programming being opened and closed in MMC 200 and MMC 800. |
| 16. HOTEL CALL COST | This option determines if the cost of the Hotel Room will be presented on the SMDR printout. |
| 17. HOTEL PAGE FEED | This option determines at which point, the printer will perform the page feed function. |
| 18. HOTEL START LINE | This option determines the point at which the system will begin counting, to determine which line to begin printing reports. |
| 19. ITP REGISTRATION: | When set to YES, whenever an ITP set registers with the system the SMDR record will show the station number in the EXT field and the IP address and signalling port in the ACCOUNT field. |
| 19. SET RELOCATION: | When set to YES the SMDR record will print set relocation activity. One station number will print in the EXT field and the other station number will print in the ACCOUNT field. |

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The DIRECTORY NAME that appears on the SMDR header is programmed as follows:

Names are written using the keypad. Each press of a key selects a character. Pressing the next key moves the cursor to the next position. For example, if the directory name is SAM SMITH, press the number 7 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 you want appears on the same dial pad key as the previous character, press the right soft key to move the cursor to the right.

- DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	Q	Z	.	)	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	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 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

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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

ACTION

DISPLAY

1. Press TRANSFER 725.
Display shows.

PAGE HEADER
PRINT : YES

2. Dial the option number (e.g. 1)
OR

Use the UP and DOWN keys to scroll through the options and press the RIGHT soft key to select an option.

LINE PER PAGE
66 LINE / PAGE

3. Enter the number of lines per page in the range 01-99 (e.g., 50)

OR

Use the UP and DOWN keys to change the number of lines and press the RIGHT soft key to save the data and return to step 2.

LINE PER PAGE
50 LINE / PAGE

OR

LINE PER PAGE
50 LINE / PAGE

THEN

LINE PER PAGE
50 LINE / PAGE

4. If option 0 is selected at step 2.

PAGE HEADER
PRINT : YES

5. If option 2 is selected at step 2.

INCOMING CALL
PRINT : NO

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- | | |
|--|--|
| 6. If option 3 is selected at step 2. | OUTGOING CALL
PRINT : <u>YES</u> |
| 7. If option 4 is selected at step 2. | AUTHORIZE CODE
PRINT : <u>NO</u> |
| 8. If option 5 is selected at step 2. | SMDR START TIME
PRINT : <u>YES</u> |
| 9. If option 6 is selected at step 2. | IN/OUT GROUP
PRINT : <u>NO</u> |
| 10. If option 7 is selected at step 2. | DND CALL
PRINT : <u>NO</u> |
| 11. If option 8 is selected at step 2. | WAKE-UP CALL
PRINT : <u>YES</u> |
| 12. If option 9 is selected at step 2. | DIRECTORY NAME
_ |
| 12a. Enter the 16-character name as described above. | DIRECTORY NAME
TELECOMS DCS <u> </u> |
| 12b. Press RIGHT soft key to save name and return to step 2. | <u>DIRECTORY NAME</u>
TELECOMS DCS |
| 13. If option 10 is selected at step 2. | CALLER ID DATA
PRINT : <u>YES</u> |
| 14. If option 11 is selected at step 2. | ABANDON CALL
PRINT : <u>YES</u> |
| 15. If option 13 is selected at step 2. | NO OF DIAL MASK
00 |
| 17. After all desired options have been selected, press TRANSFER to exit
OR
Press SPEAKER to exit and advance to next MMC. | |

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DEFAULT DATA:

PAGE HEADER:	YES	ABANDON CALL:	NO
INCOMING CALL:	NO	NO. OF DIAL MASK:	00
OUTGOING CALL:	YES	AUTHORIZE CODE:	NO
SMDR START TIME:	YES	INCOMING ANSWER:	NO
IN/OUT GROUP:	NO	INTERCOM CALL:	NO
DND CALL	NO	KEY MMC IN/OUT:	NO
WAKE-UP CALL:	YES	HOTEL CALL COST:	YES
LINE PER PAGE:	50	HOTEL PAGE FEED:	END
CALLER ID DATA:	NO	HOTEL START LINE:	0
DIRECTORY NAME:	NONE	ITP REGISTRATION:	NO
		SET RELOCATION:	NO

RELATED ITEMS: [MMC 300 CUSTOMER ON/OFF PER STATION](#)

MMC: 726

VM/AA OPTIONS

DESCRIPTION:

This MMC is used to define all the in band DTMF codes sent to SLT voice mail ports for an external VM system. These in band codes can be 0-9, A, B or C, and performed two functions. Note that this MMC is not used for Samsung in-skin VM systems.

1. CALL AND TYPE INFORMATION

This is a DTMF signaling string sent to a voice mail port when the voice mail port answers a call. This DTMF information tells the voice mail port what type of call it is receiving and where the call is coming from. e.g. call has forwarded from extension 225

2. CALL PROGRESS TONES

These are sent to the voice mail system to provide information about the progress of the call. e.g. ringback, busy or disconnect.

Most Voice Mail systems can utilize DTMF in band signaling for more efficient call processing. This MMC has many parameters that can be programmed according to the type of automated attendant and/or voice mail system connected.

CALL and TYPE INFORMATION

The format of the DTMF data sent to a VM/AA port is as follows:

[CALL TYPE] + [DN1] + [SEPARATOR] + [DN2]

an example of this would be

[FORWARD ALL] from [225] on trunk [703]

Each field can be programmed individually as follows:

EXTENSION FOR DN1: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 7200 will send data in the DN1 field indicating that a station is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will not send station data in the DN1 field.

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TRUNK FOR DN1: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will send data in the DN1 field indicating that a trunk is ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will not send trunk data in the DN1 field.

EXTENSION FOR DN2: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will send data in the DN2 field indicating the originating station of the call ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will not send station data in the DN2 field.

TRUNK FOR DN2: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will send data in the DN2 field indicating the originating trunk of the call ringing the VMAA port.

If set to no, when the voice mail auto attendant system answers a call the OfficeServ 7200 system will not send trunk data in the DN2 field.

SEPARATOR: When both DN1 and DN2 are used, a digit defined here is sent between DN1 and DN2 so the VMAA system can determine where DN 1 stops and where DN 2 starts. The separator can be DTMF 0 through 9, A, B or C

DISCONNECT: This is the call progress digit sent to the VMAA port in place of a disconnect open. The digit defined here is sent three times.

CALLER ID NUMBER: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 7200 will send Caller ID data as DTMF tones to the VMAA port.

CALL TYPE ID: This is the DTMF digit that is sent first in the in band digit string and can identify any of the following call types:

- | | |
|-----------------|--|
| 0. DIRECT CALL | A call originating directly from another station in the system. |
| 1. ALL FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set. |

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- | | |
|-----------------|--|
| 2. BSY FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set. |
| 3. NOA FWD CALL | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set. |
| 4. RECALL | A call is recalling the VM/AA port after being transferred and not answered. |
| 5. DIR TRK CALL | A C.O. call has gone directly to VM/AA (e.g., trunk 717 DIL to VM/AA). |
| 6. OVERFLOW | A call has OVERFLOWED to the VM/AA port from a station group. |
| 7. DID CALL | A DID call has called the VM/AA port. |
| 8. MESSAGE CALL | A message button or message reply feature code has been used to call the VM/AA port. |

PROGRESS TONES

These are the DTMF codes that is sent to the VMAA port in place of regular progress tones. For example, when a VMAA port goes off hook to originate or transfer a call, instead of hearing normal dial tone, it will hear DTMF “ BA “ . Progress tones can greatly increase the efficiency of a VMAA system because it is easier and quicker to detect DTMF than a busy, ringback or DND tone.

Progress tones can identify any of the following.

<u>TONES</u>	<u>VALUE</u>
0. DIAL TONE	BA
1. BUSY TONE	4
2. RINGBACK TONE	5
3. DND NO MORE	6
4. HDSET ANSWER	3
5. SPKER ANSWER	2

MMC: 726

GENERAL RULES

1. 201 is talking to a trunk and presses TRANSFER plus the station number, but the station is forwarded to VM/AA and VM/AA answers. When this happens, if 201 presses TRANSFER again to return to the trunk, the VM/AA port is not on hold. It is disconnected.
2. A VM/AA port leaves a message indication for a station. When the station returns the message, any available port in the VM/AA group should ring, not only the one that left the message.
3. A VM/AA port leaves a message for a station. When the station returns the message, the MESSAGE LED is not automatically turned off. If a VM/AA system turns on the MESSAGE LED, the VM/AA system must turn it off.
4. If DTMF call progress tones are not enabled, the system sends regular call progress tones (see Item # 3).
5. When a VM/AA port calls a station that is in the AUTO ANSWER or VOICE ANNOUNCE mode, the keyset will be forced to ring.
6. All calls to a VM/AA port or group ring with C.O. line ringing cadence, not intercom ring cadence.

EXAMPLES OF VM/AA OPERATION (IN BAND DTMF DIGIT STRING)

In the following example, all call and type data is turned on unless otherwise stated. x is the separator digit, all-default values are used in these examples and [] is not used.

A DIL 701 calls a VM/AA port or group:

[*]+[701]+[]+[]

In the above example, if C.O. information is not used:

[]+[]+[]+[] (Nothing is used)

DIL 701 calls a call-forwarded station (205):

[#]+[205]+[X]+[701]

In the above example, if forward information is not used:

[]+[205] +[X]+[701]

In the above example, if forward and DN2/C.O. information is not used:

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[]+[205]+[]+[]

DIL 701 calls group 501 that overflows to VM/AA:

[#]+[501]+[x]+[701]

In the above example, if overflow information is turned off:

[]+[]+[]+[] (Nothing is sent)

A DID call rings the VM/AA directly:

[B]+[9999]+[]+[]

9999 are the DID digits from C.O.

In the above example, if did information is turned off:

[]+[9999]+[]+[]

A station transfers (blind or screened) a call (C.O., DID or intercom) to VM/AA group or port. When the transferring station hangs up (blind transfer):

[]+[]+[]+[] (Nothing is sent)

A station (202) transfers a C.O. call (702) to a station (225) that is Call Forward All to a VM/AA group or port. When the transferring station hangs up (blind transfer) and the VM/AA group or port answers:

[#]+[225]+[x]+[702]

A station (202) transfers a C.O. call (702) to a group (501) that overflows to a VM/AA group or port:

[#]+[501]+[X]+[702]

In the above example, if overflow information is turned off:

[]+[]+[]+[] (Nothing is sent)

A station (205) calls a VM/AA port or group :

[*]+[205]+[]+[]

In the above example, if direct information is turned off:

[]+[]+[]+[] (Nothing is sent)

A station (205) calls using MESSAGE key:

[*]+[205]+[]+[]

In the above example, if message information is turned off:

[]+[]+[]+[] (Nothing is sent)

A call (702) recalls back from station 225 to the VM/AA group:

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[#]+[225]+[x]+[702]

In the above example, if recall and DN2/CO information are turned off:

[]+[]+[]+[] (Nothing is sent)

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 726.
Display shows.
2. Enter the OPTION number from the
above list (e.g., 4)
OR
Press UP or DOWN key to make selection.
Press LEFT soft key to move cursor.
3. Enter 1 for YES or 0 for NO
OR
Press UP or DOWN key for selection.
Press RIGHT soft key to return to step 2.
4. If option 0 is selected at step 2.
5. If option 1 is selected at step 2.
6. If option 2 is selected at step 2.
7. If option 3 is selected at step 2.

EXT FOR DN1
YES

SEPERATOR
NO

SEPERATOR
YES

EXT FOR DN1
YES

TRK FOR DN1
YES

EXT FOR DN2
NO

TRK FOR DN2
NO

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- | | |
|---|---|
| 8. If option 4 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C). | SEPERATOR
<u>N</u> O |
| 9. If option 5 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C). | DISCONNECT SIGNAL
<u>C</u> |
| 10. If option 6 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C).
See above list under the CALL TYPE ID options list. | CALL TYPE ID
DIRECT CALL : <u>N</u> O |
| 11. If option 7 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C).
See above list under the PROGRESS TONE ID. | PROGRESS TONE ID
<u>D</u> IAL TONE : <u>B</u> |

DEFAULT DATA:

- EXT FOR DN1 = YES
- TRK FOR DN1 = YES
- EXT FOR DN2 = NO
- TRK FOR DN2 = NO
- SEPARATOR = NO
- DISCONNECT SIGNAL = C
- CALL TYPE ID = (ALL SUB-OPTIONS * OR #)
- PROGRESS TONE ID = BA
- CALLER ID NUMBER = NO

RELATED ITEMS: [MMC 207 ASSIGN VM/AA PORT](#)

MMC: 727 SYSTEM VERSION DISPLAY

DESCRIPTION:

This MMC is only used for system version display. This is a READ ONLY MMC.

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 727.
Display shows.

Press UP or DOWN key to select other card versions.

DLI CARD
Cabinet and Slot shown

TEPRI CARD T1 MODE
Cabinet and Slot shown

TEPRI CARD PRI MODE
Cabinet and Slot shown

DISPLAY

MCP VERSION
2005.07.15 V2.46

LCP VERSION
2005.07.15.V2.46

C1-S1:DLI
NO VERSION DATA

C1-S2/TEPRI/T1
2002.08.20.V1.05

C2S1:TEPRI/TP
2002.08.20.V1.05

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 728 CID / ANI TRANSLATION TABLE

DESCRIPTION:

Allows the system administrator or technician to associate a CID or ANI number received from the central office with a name programmed in this translation table. If there is no match between a received number and a name in this table, "no CID name" will be displayed.

The translation table consists of 1000 entries for a OfficeServ 7200 system. Each entry is comprised of a ten-digit (14 digits allowed) telephone number and a 16-digit name.

Names are written using the keypad. Each press of a key will select a character. Pressing the next key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" 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.

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

• DCS KEYSETS

COUNT	1	2	3	4	5
DIAL 0	Q	Z	.	)	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	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: 728**• 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

ACTION

1. Press TRANSFER 728.
Display shows first entry.
2. Dial entry number (e.g. 005)
OR
Use UP and DOWN to scroll through entries.
Press RIGHT soft key to select entry.
3. Enter telephone number and press RIGHT
soft key to advance to name entry
OR
Enter telephone number and press
LEFT soft key to return to step 2.

DISPLAY

TRANSLATION(001)
DIGIT:

TRANSLATION(005)
DIGIT:

TRANSLATION(005)
DIGIT:3054264100

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4. Enter associated name as described above and press RIGHT or LEFT soft key to return to step 2

OR

Press SPK to save and advance to next MMC

OR

Press TRANSFER to save and exit programming.

TRANSLATION(005)
SAMSUNG TELECOM

DEFAULT DATA: NONE

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: 729

RATE CALCULATION TABLE

DESCRIPTION:

The RATE CALCULATION TABLE is used to define the billing charges for each COST RATE. These rate tables correlate with the Trunk Cost Rate and the Costing Dial Plan. There are eight call costing rates. Each rate has the following data fields.

FIRST INTERVAL DURATION: This is the amount of time at the beginning of each call to which a fixed cost is applied. The range is from 0 to 999 seconds, for example, 180 seconds (three minutes).

FIRST INTERVAL COST: This is the dollar cost for the first interval duration. The range is from 0 to 999, for example, 345 (\$3.45).

SECOND INTERVAL DURATION: This is the amount of time for the duration of each billing increment after the first interval has expired. The range is from 0 to 999 seconds, for example, 006 seconds (six seconds).

SECOND INTERVAL COST: This is the dollar cost for each billing increment. The range is from 0 to 999, for example 100 (\$1.00).

SURCHARGE: This is a one-time charge that is applied to the call over and above the time charges. The range is from 0 to 999, for example 150 (\$1.50).

PROGRAM 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 729.
Display shows COST RATE and FIRST INTERVAL DURATION.

DISPLAY

COST RATE [1]
1ST DUR:000

MMC: 729

2. Dial COST RATE number (e.g., 03)
OR
Press UP or DOWN to select COST RATE.
Press right soft key to move cursor
OR
Press ANS/RLS for ALL.

```
COST RATE [3]  
1ST DUR:000
```

3. Enter FIRST INTERVAL DURATION in seconds, e.g., 060 (one minute) using the keypad and press UP to advance.

```
COST RATE [03]  
1ST DUR:060
```

4. Enter FIRST INTERVAL COST in cents, e.g., 125 (\$1.25) using the keypad and press UP to advance.

```
COST RATE [03]  
1ST COST :125
```

5. Enter SECOND INTERVAL DURATION in seconds, e.g., 006 (six seconds) using the keypad and press UP to advance.

```
COST RATE [03]  
2ND DUR:006
```

6. Enter SECOND INTERVAL COST in cents, e.g., 030 (\$0.30) using the keypad and press UP to advance.

```
COST RATE [03]  
2ND COST:030
```

7. Enter SURCHARGE in cents, e.g., 100 (\$1.00).

```
COST RATE [03]  
SURCHARGE: 100
```

8. Press TRANSFER to store and exit.

DEFAULT DATA: ALL COST RATES NO DATA

RELATED ITEMS: [MMC 317 CALL COST DISPLAY OPTION](#)
[MMC 422 TRUNK COST RATE](#)
[MMC 730 COSTING DIAL PLAN](#)

MMC: 730

COSTING DIAL PLAN

DESCRIPTION:

The COSTING DIAL PLAN is used to analyze the leading dialed digits of a dialed number and determine what DIAL PLAN it is to follow. Data entry for this program is in three fields: ENTRY, DIGITS and COST RATE table reference.

DIGITS: Up to 500 entries may be made. Each entry can be up to ten digits. These are the entries that will be searched to find a match with the digits dialed by the station making the call. This is a leading digits table and the system will look for the exact leading digits in the table that match the number dialed. For example, if a user dials 1305 and the COSTING DIAL PLAN contains 1, 1308 and 1312, the dialed digits will be matched to 1 because 1308 and 1312 do not form a complete match. When this table is created by the technician or when any new entries are added, the system automatically places all entries in numerical order.

Wild cards (*) can be used to represent any digit. The Toll Restriction Wild Character assignment (MMC 704) is common with Call Costing and Toll Restriction. When all entries are used, [LAST ENTRY] is displayed.

DIAL PLAN

This shows in the programming display as DP and represents a pattern (1–7, 8). This pattern is used by MMC 422 TRUNK COST RATE, to determine the correct billing according to MMC 729 RATE CALCULATION TABLE

When the system finds a DIAL PLAN match for the digits dialed, the system checks MMC 729 to see what RATE CALCULATION to use for costing the call.

EXAMPLES

When a station user dials a number, the system will search the COSTING DIAL PLAN to find a match. If 13056 is dialed and this MMC contains entries 1, 13, 1305 and 1401, 1305 is the closest match and this entry will be selected. If 1305 is dialed and this MMC contains entries 1, 13, 13056 and 1401, no action will be taken until the station user dials another digit. If the next digit is 6, the 13056 entry is the closest match and this entry will be selected, but if the next digit is anything other than 6, the 13 entry is the closest match.

Whenever a new entry is added, the system will sort all entries in numerical order because this is the logical order in which the system analyzes digits. Wild cards are

MMC: 730

checked after exact digits. If 1813 and 18** are entered, the system will check 1813 first. If no match is found, it will check 18**.

PROGRAM 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 730.
Display shows.
2. Dial CALL COST entry (e.g., 005)
OR
Press UP or DOWN to select entry and press
RIGHT soft key to move cursor.
3. Enter digit string via the dial keypad
and press RIGHT soft key.
4. Enter DIAL PLAN (0–8).
Press LEFT soft key to return to step 3 or
RIGHT soft key to go to step 2.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

COST DP (001)
DIGIT:

COST DP (005)
DIGIT:

COST DP (005)
DIGIT: 1305

COST DP (005)
CALL RATE: 3

DEFAULT DATA: NONE

RELATED ITEMS: [MMC 317 CALL COST DISPLAY OPTION](#)
[MMC 422 COST RATE](#)
[MMC 729 RATE CALCULATION TABLE](#)

MMC: 740

VM CARD RESTART

DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail Card.

There are two options available in this MMC:

DOWNLOAD

When the SVM card starts, part of the power up procedure will download data from the system to determine time, date, what mailboxes to create, and system numbering plan. This must be done at least once, but once done this download feature can be turned OFF to save boot up time.

CARD RESTART

If this option is set to YES the SVM card will immediately restart according to the download OPTION specified above.

VIRTUAL NUM DOWN

When the SVM card restarts, if this option is set to YES for any of the categories under this heading, it will create the additional mailboxes. This must be done at least once, but once done this download feature can be turned OFF to save boot up time. The categories are:

TYPE	DESCRIPTION
VIRTUAL EXT	Virtual extension numbers.
DESKTOP ITP	DESKTOP IP-based phone number
MOBILE ITP	Wireless IP-based mobile phone number
BRI STATION	ISDN terminal numbers
VoIP NET TRK	VoIP networking trunk numbers
VoIP 323 TRK	VoIP H.323 trunk numbers
VoIP SIP TRK	VoIP SIP trunk numbers
REMOTE STN	Stations in remote nodes when networking. (Used for Centralized Voice Mail Applications)
SIP STN	SIP-based phone number

NOTE:

If during any test procedures you need to run the OfficeServ 7200 system with a default database and power up with this MMC option set to YES the SVM database will be overwritten according to the data in MMC 741 and the default numbering

MMC: 740

plan. If you plan this type of test, remove SVM until the procedure is finished and the customer database is reloaded.

PROGRAM KEYS

UP & DOWN	Changes MMC data between YES and NO
KEYPAD	0 and 1 will change data and advance to other option
SPEAKER	Used to store data and advance to next MMC

ACTION

1. Press TRANSFER 740.
Display shows.
2. Dial 0 or 1 to set option and advance.
3. Display shows.
4. Dial 0 or 1 to set option and advance.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.
6. Enter 0 for non urgent or 1 for urgent.

DISPLAY

```
VM CARD RESTART  
DOWNLOAD ? YES
```

```
VM CARD RESTART  
CARD RESTART?NO
```

DEFAULT DATA:

- CARD RESTART: NO
- DOWNLOAD: NO
- VIRTUAL EXT: NO
- IP PHONE: NO
- WIP WITH WLI: NO
- BRI STATION: NO
- VOIP NET TRK: NO
- VOIP 323 TRK: NO
- VOIP SIP TRK: NO
- REMOTE STN: NO
- SIP STN: NO

RELATED ITEMS: NONE

MMC: 741

USER MAILBOX

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card (SVMi). It assigns each station or group as having a mailbox (yes or no). When stations or groups are flagged as YES, during Voice Mail card power up mailboxes will be created for each directory number with a "YES" entry.

Once the Voice Mail database has been created new boxes can be added.

- a) Through Voice Mail administration,
- b) By adding a new mailbox in this system and cycling system power.

If a mailbox is to be removed it must be done through Voice Mail administration.

If a station that does not have an associated voice mailbox, calls the Voice Mail system they will be answered by the Voice Mail system main greeting.

NOTE: Groups 539/5039 cannot be assigned mailboxes as these are the VM groups. Mailboxes that are needed for people that do not have an extension must be added through Voice Mail programming.

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 741.
Display shows.

ASSIGN MAIL BOX
[201] : YES

2. Dial station number OR
Press UP or DOWN to scroll the number.

ASSIGN MAIL BOX
225 : YES

3. Press RIGHT soft key to move cursor.

ASSIGN MAIL BOX
225 : YES

MMC: 741

4. Change status using UP and DOWN
OR
Dial 0 for NO or 1 for YES.

ASSIGN MAIL BOX
225 : NO

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

**DEFAULT DATA: ALL STATIONS = YES
ALL GROUPS = NO**

RELATED ITEMS: NONE

MMC: 743

AUTO RECORD

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card (SVMi).

Some specific stations in the phone system can be assigned to automatically record conversations. When this option is set, all incoming, all outgoing, or all calls (incoming or outgoing) can be recorded.

When this option is selected a specific port should be assigned for each station set to automatic conversation recording or the effectiveness of this feature cannot be guaranteed.

In this MMC you can assign:

1. Which stations use this feature. – Station number
2. What mailbox the conversation is recorded in. – Mailbox number
3. What type of conversations are recorded, in, out or both. – I, O or B
4. What port is dedicated to the station. – Voice mail port number

The maximum number of stations assigned the AUTO RECORD feature is limited to the maximum number of SVMi ports. Each station using AUTO RECORD depletes Voice Mail/Auto Attendant ports by one.

The same port cannot be assigned to more than one station. Attempts to do this will result in an error message.

When a Voice Mail port is assigned here, it is automatically removed from the Voice Mail group (539 or 5039) defined in MMC 601.

WARNING: Before using this feature make sure that you are not violating any state or federal laws. Some states require that the recorded party be notified. SAMSUNG is not responsible for any illegal use of this feature.

PROGRAM 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 delete an entry

MMC: 743

ACTION

1. Press TRANSFER 743.
Display shows.
2. Dial station number
OR
Press UP or DOWN to scroll the number.
Press RIGHT soft key to move cursor.
3. Enter mailbox number using number keys
(e.g., 201).
Press RIGHT soft key to move cursor.
4. Enter VM port number using keypad or UP
or DOWN. Press RIGHT soft key to move
cursor.
5. Enter call type, I, O or B.
6. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and
advance to next MMC.

DISPLAY

AUTO RECORD
STN:201 MB:NONE

AUTO RECORD
STN:201 MB:NONE

AUTO RECORD
STN:201 MB:201

AUTO RECORD
PORT:NONE CALL:I

AUTO RECORD
PORT:209 CALL:B

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 744

VM DAY / NIGHT

DESCRIPTION:

This MMC is only used for the Samsung Plug In Voice Mail Card (SVMi).

SVM can operate in either a DAY or NIGHT operating mode. This mode will determine what main menu greetings and options are played to the callers.

This operating mode can change automatically (if enabled in SVM) according to the setting in this MMC.

This MMC contains either a DAY or NIGHT instruction for each OfficeServ 7200 Ring Plan.

PROGRAM KEY

UP & DOWN	Selects YES or NO
KEYPAD	Selects YES or NO
SPEAKER	Used to store data and advance to next MMC

ACTION

DISPLAY

- | | |
|---|---------------------------------------|
| 1. Press TRANSFER 744.
Display shows. | VM DAY/NIGHT
RING 1 : DAY |
| 2. Press UP or DOWN to select a ring plan. | VM DAY/NIGHT
RING 3 : DAY |
| 3. Press RIGHT soft key to move cursor. | VM DAY/NIGHT
RING 3 : <u>DAY</u> |
| 4. Press UP or DOWN to select a DAY/NIGHT. | VM DAY/NIGHT
RING 3 : <u>NIGHT</u> |
| 5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC. | |

DEFAULT DATA: ALL RING PLANS = DAY

RELATED ITEMS: SVM CARD

MMC: 745

WARNING DESTINATION

DESCRIPTION:

This MMC is used to set alarm notification destinations for the Samsung Plug In Voice Mail card and for the Hotel/Motel transaction buffer alarm.

1. Samsung Plug-In Voice Mail Card (SVMi)

This MMC provides an emergency destination for calls destined for the Voice Mail card, if the Voice Mail card is removed or is offline. In addition any calls that are forwarded to the Voice Mail card will not forward, they will remain ringing at the “fwd from” station until answered. This destination can be a station number or a group number.

2. Hotel/Motel Transaction Record Buffer Alarm

This MMC provides a destination for the Transaction Report Buffer Alarm. The transaction record buffer has a maximum capacity of 10,000 records. This alarm will ring the destination when the buffer level has reached 9500 records. Note: Either of these alarms may be disabled by setting the destination as NONE.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to delete an entry

ACTION

1. Press TRANSFER 745.
Display shows.
2. Dial station number or group number
OR
Press UP or DOWN to scroll the number.
3. Press TRANSFER button to store and exit
OR press SPEAKER button to store and
advance to next MMC.

DISPLAY

WARNING DEST.
DEST:500

WARNING DEST.
DEST:501

MMC: 745

DEFAULT DATA: DEST = 500

RELATED ITEMS: NONE

MMC: 746

VM HALT

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card.

This MMC is used to halt the Voice Mail card (take it offline). It ensures that there is no traffic on the Voice Mail card when it is removed from the system.

NOTE: THIS OPERATION SHOULD BE PERFORMED BEFORE REMOVING THE VOICE MAIL CARD FROM THE OfficeServ 7200 SYSTEM.

PROGRAM KEYS

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

ACTION

DISPLAY

1. Press TRANSFER 746.
Display shows.
2. Enter 1 to halt or 0 to process
OR
Press UP or DOWN to scroll the selections.
3. When you select 1 to halt, display shows
press 1 to confirm.
4. Display shows.
5. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and
advance to next MMC.

VM HALT
STATUS:PROC

VM HALT
STATUS:PROC

VM HALT
ARE YOU SURE?YES

VM HALT
STATUS:HALT

DEFAULT DATA: PROC

RELATED ITEMS: NONE

MMC: 747

VM ALARM

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card (SVMi).

This MMC will generate an alarm message in the mailbox defined in MMC 745 whenever the Voice Mail disk drive reaches this threshold.

The threshold is measured in % full. This means that if the MMC is set for 80, the alarm will be generated when the disk exceeds 80% of the available drive space. The end user should be instructed to delete old messages to recover disk space.

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 747.
Display shows.
2. Enter new threshold level.
3. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and
advance to next MMC.

DISPLAY

VM ALARM
THRESHOLD: 80

VM ALARM
THRESHOLD: 75

DEFAULT DATA: 80%

RELATED ITEMS: NONE

MMC: 748

ASSIGN VM MOH

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card (SVMi).

This MMC is used to assign each port a Music on Hold source for the OfficeServ 7200 from a sound file located on the SVM hard disk drive. The 100 available sound files are defined as numbers 5000 to 5099.

Basically SVM card supports various music for numbers 5000 to 5099. If you want to use default SVM support music, select the number. Otherwise, make sure you record the sound file first. The next step is to assign the sound file to a SVM port. For example, if you record sound file 5025 you would associate 25 with a specific SVM port, e.g. 225. This will dedicate the port for use only as MOH and remove it from group 529 or 549. Now 225 will show up as a valid music source in MMC 308, 309 and 408.

Each Music on Hold source assigned here requires one SVM port. SVM port is used for VMMOH, it must be disabled before boot up since SVM and the phone system use port 1 during boot up to exchange critical information. For this reason we suggest you use the last port as VMMOH ports.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to delete an entry

ACTION

1. Press TRANSFER 748.
Display shows.
2. Press UP or DOWN to select SVM port.
3. Move cursor to next field. Press UP or DOWN to select sound file.

DISPLAY

```
SET VMMOH  
209: NOT USED
```

```
SET VMMOH  
215: NOT USED
```

```
SET VMMOH  
215: 25
```

MMC: 748

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

DEFAULT DATA: NOT USED

RELATED ITEMS: NONE

MMC: 749

VM IN/OUT

DESCRIPTION:

This MMC is only used for the Samsung Plug in Voice Mail Card (SVMi).

This MMC is used to assign each Voice Mail Port as used for incoming, outgoing or both way calls. Note that this MMC must support outgoing calls if off premises notification (beeper, outbound follow me or outbound notification) is used.

PROGRAM KEYS

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

ACTION

DISPLAY

1. Press TRANSFER 749.
Display shows.
2. Enter the Voice Mail port number.
OR
Press UP or DOWN to select SVM port.
3. Enter the selections.
OR
Press UP or DOWN to scroll options.
4. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and advance to next MMC.

VM IN/OUT
209: IN/OUT

VM IN/OUT
215: IN/OUT

VM IN/OUT
215: MOH

DEFAULT DATA: IN/OUT

RELATED ITEMS: NONE

MMC: 759

CLI RINGING

DESCRIPTION:

This MMC is for Central Office lines using Caller ID services. It uses a table of 500 entries containing telephone numbers that are to be acted upon in one or more of the following ways:

1. **REJECT OPTION:** Matches the Caller ID number received on the incoming call to an entry in this table and assigns it to be rejected. The phone system will hang up on this call before it is answered. NOT FOR USE IN THE USA.
2. **PRIORITY QUEUEING:** Matches the Caller ID number received on this incoming call to an entry in this table assigns it a priority of 1~9 when it rings any station group. When the group is busy a PRI-1 will be placed ahead of the other caller waiting to be answered.
3. **DISTINCTIVE RINGING:** Matches the Caller ID number received on the incoming call to an entry in this table and assigns it to ring with a specific TONE for keysets or CADENCE for SLTs.

The CID Ringing table consists of 500 entries.

CLI: CID number to be received from the central office. Up to 16 digits may be entered.

REJ: CID call reject option. When this is set to YES, an incoming call with a CID number that matches the CLI field will be rejected (hang up) by the system. (NOT FOR USE IN USA).

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

R1:XXX, R2:XXX, R3:XXX, R4:XXX, R5:XXX, R6:XXX

Ring plan and destination during each ring plan. The destination can be a station or a station group.

MMC: 759

TONE: Ring Tone options for a specific CID Number (NO, 1~8)

TONE OPTION

NO	Calls will ring with the phone users choice of ring frequency.
1~8	Calls from the programmed CID number will ring phones with this ring frequency

CAD: Ring Cadence options for a specific CID Number at SLT's (NO, 1~5)

CADENCE OPTION

NO	Calls will ring with the normal SLT's ring cadences.
1	Calls from the programmed CID number will ring SLT's with the intercom ring cadence.
2	Calls from the programmed CID number will ring SLT's with the CO ring cadence.
3	Calls from the programmed CID number will ring SLT's with the DOOR ring cadence.
4	Calls from the programmed CID number will ring SLT's with the ALARM ring cadence.
5	Calls from the programmed CID number will ring SLT's with the CALLBACK ring cadence.

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

1. Press TRANSFER 759.
Display shows.
2. Dial entry number (e.g. 005)
OR

DISPLAY

```
CLI RINGING(001)
CLI :
```

```
CLI RINGING(005)
CLI :_
```


MMC: 759

Use the VOLUME key to scroll through entries and press the RIGHT SOFT key to select an entry.

3. Enter the CID number and press the RIGHT SOFT key to advance to the next entry

OR

Enter the CID number and press LEFT SOFT key to return to step 2.

```
CLI RINGING(005)
CLI:1234567
```

4. Enter the reject option via the dial keypad (1 for YES, 0 for NO)

OR

Press the VOLUME key to make a selection and press the RIGHT SOFT key to advance to the next step.

```
CLI RINGING(005)
REJ:NO PRI:NO
```

5. Enter the priority level via dial keypad. (1—9 or NO)

OR

Press the VOLUME key to make selection and press the RIGHT SOFT key to advance to the next step.

```
CLI RINGING(005)
REJ:NO PRI:NO
```

6. Enter the station or group number for each Ring Plan destination via the dial keypad (e.g. 501) OR press the VOLUME key to make a selection and press the RIGHT SOFT key to advance to the next step.

```
CLI RINGING(005)
R1:501 R2:NONE
```

7. Dial 1-8 (or NO) to select the ring tone (e.g. 2)

OR

Press the VOLUME key to select the ring tone and press the RIGHT SOFT key to move the cursor.

```
CLI RINGING(005)
TONE:2 CAD:NO
```

8. Dial 1-5 (or NO) to select the ring cadence

OR

Press the VOLUME key to select the ring cadence and press the RIGHT SOFT key to move the cursor.

```
CLI RINGING(005)
TONE:2 CAD:NO
```

MMC: 759

9. Press TRANSFER to exit
OR
Press the SPEAKER key to exit and advance to
the next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: [MMC 312 ALLOW CID](#)
[MMC 419 DISTINCTIVE RING PER STATION/TRUNK](#)
[MMC 714 DID TRANSLATION](#)
[MMC 813 HOTEL OPERATION](#)

MMC: 760**ITEM COST TABLE****DESCRIPTION:**

This is a Hotel / Motel software specific MMC.

This MMC provides a means to assign a code to a billable item along with a 10 character name for the item. There are a maximum of 100 entries (00 to 99) in the table with item 00 reserved as the code for room deposits, 01 reserved as the code for phone deposits and items 89 to 99 are reserved for other system related items. These item codes with the exception of codes 93 to 99 will appear on the guest's bill at checkout and will serve to identify what each charge on the bill is for. The room bill, when printed will also show telephone calls with an item designation of TEL and the description field will show the number dialed. In addition to the name, up to 8 of the tax codes or rates defined in MMC 761 can be applied to each item.

PRE DEFINED CODES

ITEM	DESCRIPTION	USE
00	RM Deposit	This is the code used for pre pay room deposits
01	PH Deposit	This is the code used for pre pay phone deposits
89	W/UP SET	A wake up call has been set.
90	W/UP ANS	A wake up call was answered
91	W/UP N/ANS	A wake up call was not answered
92	W/UP CANCL	A wake up call was canceled
93	Check In	A guest has checked into a room
94	Check out	A guest has checked out of a room
95	Available	A room has been flagged as OCCUPIED
96	Occupied	A room has been flagged as AVAILABLE
97	Clean Room	A room has been flagged as NEEDS CLEANING
98	Fix Room	A room has been flagged as NEED MAINTENANCE
99	Hold	A room has been flagged as HOLD

Names for the items are written using the keypad. Each press of a key will select a character. Pressing the dial pad key will move the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" 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 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.

MMC: 760**• DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	Q	Z	.	)	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	R	S	&	7
DIAL 8	T	U	V	*	8
DIAL 9	W	X	Y	(	9
DIAL *	:	=	[]	*

• 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
KEYPAD
SOFT KEYS
SPEAKER
HOLD

Used to scroll through options
Used to enter selections
Move cursor left and right
Used to store data and advance to next MMC
Used to clear previous entry

MMC: 760

ACTION

1. Press TRANSFER 760.
Display shows.
2. Enter valid code number, e.g., 05, via dial key pad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.
3. Enter in item name (e.g. ROOM COST) via key pad using the method described above.
4. Press RIGHT soft key to move cursor to tax entry step.
5. Enter in the tax rates in MMC 761 that apply to this item and press RIGHT soft key to return to step 2.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

```
ITEM CODE:00  
NAME:RM Deposit
```

```
ITEM CODE:05  
NAME:
```

```
ITEM CODE:05  
NAME:ROOM COST
```

```
ITEM CODE:05  
TAXES:00000000
```

```
ITEM CODE:05  
TAXES:11000000
```

DEFAULT DATA: NO ENTRIES

RELATED ITEMS: [MMC 221 TELEPHONE TYPE](#)
[MMC 761 TAX RATES](#)
[MMC 762 ROOM COST RATE](#)

MMC: 761

TAX RATE SETUP

DESCRIPTION:

This is a Hotel / Motel software specific MMC.

This MMC allows the technician to set up the 8 tax rates used in MMC 760. Each tax rate may be defined as a fixed dollar value or as a percentage of the item cost. In addition a 10 character name may be used to define the reason for the tax. The various options are further detailed below.

TAX RATE	This is the number assigned to this tax rate. The tax rates are numbered 1 to 8 to match the rate field in MMC 760 counting from left to right.
TYPE	This is the type of tax and defines if the VALUE is applied as a percentage (%) of the cost of an item or is added as a fixed dollar value (C) to an item, or included (I) in the room charge.
VALUE	This is the actual tax rate that will be applied to the item cost.
NAME	This is a 10 character name that will be displayed on the room bill alongside the tax.

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 your message. Pressing the bottom left programmable 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.

MMC: 761**• DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	Q	Z	.	)	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	R	S	&	7
DIAL 8	T	U	V	*	8
DIAL 9	W	X	Y	(	9
DIAL *	:	=	[]	*

• 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
KEYPAD
SOFT KEYS
SPEAKER
HOLD

Used to scroll through options
Used to enter selections
Move cursor left and right
Used to store data and advance to next MMC
Used to clear previous entry

MMC: 761

ACTION

1. Press TRANSFER 761.
Display shows.
2. Enter valid tax number, e.g., 5, via dial key pad
OR
Press UP or DOWN key to make selection and
press RIGHT soft key to move cursor.
3. Dial 0 for %, 1 for C, or 2 for I,(e.g. 1)
OR
Press UP or DOWN key to make selection
press RIGHT soft key to move cursor.
4. Enter in the tax rate via dial key pad
OR
Press UP or DOWN key to make selection.
If valid entry, system advances cursor.
5. Enter name using above table and press
RIGHT soft key to return to step 2.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

TAX RATE (1)
TYPE:% VAL:00.000

TAX RATE (5)
TYPE:% VAL:00.000

TAX RATE (5)
TYPE:C VAL:00.000

TAX RATE (5)
TYPE:C VAL:01.25

TAX RATE (5)
NAME:MIA BED

DEFAULT DATA: All rates are %

RELATED ITEMS: [MMC 760 ITEM COST](#)
[MMC 762 ROOM COST RATE](#)

MMC: 762

ROOM COST RATE

DESCRIPTION:

This MMC provides an option to charge different percentages of the full room price, on a day-by-day basis.

In other words, a room that is normally \$100.00 during peak periods or weekends, can be set to bill out at a percentage of the full \$100.00. (Setting option to 75% would yield a room charge of \$75.00).

Likewise this option can be set above 100% of the programmed room cost. (Setting option to 125% of \$100.00 room charge, would yield a room charge of \$125.00).

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

1. Press TRANSFER 762.
Display shows.
2. Press UP or DOWN key to select day
OR
Use dial pad to select the day (e.g. 5).
3. Enter percentage rate (3 digits) (e.g. 050)
AND
Receive confirmation tone
(system returns to step 2).
4. Press UP or DOWN to make next selection
OR
Use dial pad to select day (e.g. 2)
OR

DISPLAY

RM COST RAT (SUN)
100%:

RM COST RAT (FRI)
100%: _

RM COST RAT (FRI)
050%:

RM COST RAT (TUE)
100%:

MMC: 762

Press TRANSFER to store and exit

OR

Press SPEAKER to store and advance to next
MMC.

DEFAULT DATA: All 100%

RELATED ITEMS: [MMC 760 ITEM COST](#)
[MMC 761 TAX RATE](#)

MMC: 800 ENABLE TECHNICIAN PROGRAM

DESCRIPTION:

Used to open and close technician-level programming. If programming is not opened and an attempt is made to access a system MMC, the error message ACCESS DENIED will be displayed.

A four digit passcode is required to access this MMC. Each character can be digits 0-9. When opened, this MMC enables access to all MMCs.

PROGRAM 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 800.
Display shows.

```
ENABLE TECH.PROG  
PASSCODE:
```

2. Enter passcode.

```
ENABLE TECH.PROG  
PASSCODE: ****
```

Correct code shows.

```
ENABLE TECH.PROG  
DISABLE TENANT : 1
```

Incorrect code shows.

```
ENABLE TECH. PROG  
PASSCODE ERROR
```

3. Enter 1 to enable or 0 to disable
OR
Press UP or DOWN to select.
Press RIGHT soft key to move to tenant
number and enter tenant number (1-2).

```
ENABLE TECH.PROG  
ENABLE TENANT : 1
```

4. Press SPEAKER to advance to MMC entry
level.

```
801:TEC.PASSCODE  
SELECT PROG.ID
```

MMC: 800

5. Enter the MMC desired (e.g., 209).

209:AOM MASTER
AOM NOT EXIST

6. To log out and return to MMC 800, press UP
or DOWN key to select DISABLE
OR
Press SPEAKER then TRANSFER to return to
normal display.
Programming option will time out.

DEFAULT DATA: DISABLE

RELATED ITEMS: [MMC 801 CHANGE TECHNICIAN PASSCODE](#)

MMC: 801 CHANGE TECHNICIAN PASSCODE

DESCRIPTION:

Used to change the passcode which allows access to MMC 800 Enable Technician Program from its current value.

NOTE: The passcode is four characters long. Each character can be digits 0-9. The current or 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 801.

```
TECH. PASSCODE  
NEW CODE: _
```

2. Enter new passcode.

```
TECH. PASSCODE  
NEW CODE: ****
```

3. Enter new passcode again.

```
TECH. PASSCODE  
VERIFY : : ****
```

4. If passcode is correct, press RIGHT soft key to continue and enter desired MMC.

```
TECH. PASSCODE  
VERIFY : SUCCESS
```

If passcode is incorrect.

```
TECH. PASSCODE  
PASSCODE : FAILURE
```

System returns to step 2.

```
TECH. PASSCODE  
NEW CODE: : ****
```

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

DEFAULT DATA: DEFAULT PASSCODE = 4321

RELATED ITEMS: [MMC 800 ENABLE TECHNICIAN PROGRAM](#)

MMC: 802 CUSTOMER ACCESS MMC NUMBER

DESCRIPTION:

Allows the System Administrator to have access to certain MMCs. For example, it is required that the System Administrator customer have access to MMC 102 Call Forward for call forwarding but it is not required that the System Administrator have access to MMC 710 LCR Digit Table for LCR dial plans. This MMC is for both tenants.

PROGRAM 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 802.
Display shows.
2. Enter desired tenant number (1–2) via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.
3. Enter desired MMC number via dial keypad
OR
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.
4. Enter 1 for YES or 0 for NO via dial keypad
OR
Press UP or DOWN key to make selection and press LEFT soft key to return to step 3 to make additional entries.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

```
CUST.USE MMC: 1
100:STN LOCK:YES
```

```
CUST.USE MMC: 1
100:STN LOCK:YES
```

```
CUST.USE MMC: 1
102:CALL FWD:YES
```

```
CUST.USE MMC: 1
102:CALL FWD:NO
```

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 803

ASSIGN TENANT GROUP

DESCRIPTION:

Allows the assignment of tenant groups on a per-cabinet, slot and port basis. The simple rule is Cabinet-Slot-Port=Tenant. The simplicity of this program allows for flexible assignments. The only information needed is the correct correlation of entries.

PROGRAM 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 803.
Display shows.
2. Enter cabinet number if no change press
RIGHT soft key to move cursor.
3. Enter slot number if no change press RIGHT
soft key to move cursor.
4. Enter port number if no change press RIGHT
soft key to move cursor.
5. Enter tenant number if no change press
RIGHT soft key to return to step 2.
6. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to
next MMC.

```
TENANT GROUP
C:1  S:1  -01  T:1
```

```
TENANT GROUP
C:1  S:1  -01  T:1
```

```
TENANT GROUP
C:1  S:1  -01  T:1
```

```
TENANT GROUP
C:1  S:1  -01  T:1
```

```
TENANT GROUP
C:1  S:1  -01  T:1
```

DEFAULT DATA: ALL ASSIGNMENTS TENANT 1

RELATED ITEMS: TENANT GROUP

MMC: 805

LEVEL & GAIN

DESCRIPTION:

Allows the system administrator to set the base level of the TX volume on keysets system wide. There are eight (8) levels those are able to be controled by the VOL UP and DOWN key on keyset. And maximum controllable levels in the system are ten (10). Keyset station users can vary eight levels. So this MMC gives the most flexibility to the system administrator so he can classify any desired eight(8) levels within eleven (11).

NOTE: This MMC should not be changed from the default levels without the assistance of the STA technical support department

0	TX LEVEL CONTROL	Adjusts the transmitting sensitivity (Max. : 9) INDEX : 0 1 2 3 4 5 6 7 LEVEL : 0 1 2 3 4 5 6 7
1	MISC TSW GAIN	Adjusts the level of the internal music source of the MCP card or the external music source of the MISC card.(0~7, higher numbers mean lower levels)
2	TSW GAIN CONTROL	Adjusts the tone sensitivity (As shown below, there are 25 types of connections of the T-Switch that adjusts the tone sensitivity. Connection between C.O. lines are only applicable when set as 0 in Program 418.)

0	0	DGP	DGP	Adjusts sensitivity from digital phone Tx to digital phone Rx
	1	DGP	SLT	Adjusts sensitivity from digital phone Tx to normal station Rx
	2	DGP	ATRK	Adjusts sensitivity from digital phone Tx to analog C.O. Rx
	3	DGP	DTRK	Adjusts sensitivity from digital phone Tx to digital C.O. Rx
	4	DGP	ITP	Adjusts sensitivity from digital phone Tx to ITP Rx
	5	DGP	VOIP	Adjusts sensitivity from digital phone Tx to VOIP C.O. Rx
	6	DGP	SVMi	Adjusts sensitivity from digital phone Tx to SVMi Rx
	7	DGP	WLAN	Adjusts sensitivity from digital phone Tx to WLAN Rx
1	0	SLT	DGP	Adjusts sensitivity from normal station Tx to digital phone Rx
	1	SLT	SLT	Adjusts sensitivity from normal station Tx to normal station Rx
	2	SLT	ATRK	Adjusts sensitivity from normal station Tx to analog C.O. Rx
	3	SLT	DTRK	Adjusts sensitivity from normal station Tx to digital C.O. Rx
	4	SLT	ITP	Adjusts sensitivity from normal station Tx to ITP Rx

MMC: 805

	5	SLT	VOIP	Adjusts sensitivity from normal station Tx to VOIP C.O. Rx
	6	SLT	SVMi	Adjusts sensitivity from normal station Tx to SVMi Rx
	7	SLT	WLAN	Adjust sensitivity from normal station Tx to WLAN Rx
2	0	ATRK	DGP	Adjusts sensitivity from analog C.O. Tx to digital phone Rx
	1	ATRK	SLT	Adjusts sensitivity from analog C.O. Tx to normal station Rx
	2	ATRK	ATRK	Adjusts sensitivity from analog C.O. Tx to analog C.O. Rx
	3	ATRK	DTRK	Adjusts sensitivity from analog C.O. Tx to digital C.O. Rx
	4	ATRK	ITP	Adjusts sensitivity from analog C.O. Tx to ITP Rx
	5	ATRK	VOIP	Adjusts sensitivity from analog C.O. Tx to VOIP C.O. Rx
	6	ATRK	SVMi	Adjusts sensitivity from analog C.O. Tx to SVMi Rx
	7	ATRK	WLAN	Adjust sensitivity from analog C.O. Tx to WLAN Rx
3	0	DTRK	DGP	Adjusts sensitivity from digital C.O. Tx to digital phone Rx
	1	DTRK	SLT	Adjusts sensitivity from digital C.O. Tx to normal station Rx
	2	DTRK	ATRK	Adjusts sensitivity from digital C.O. Tx to analog C.O. Rx
	3	DTRK	DTRK	Adjusts sensitivity from digital C.O. Tx to digital C.O. Rx
	4	DTRK	ITP	Adjusts sensitivity from digital C.O. Tx to ITP Rx
	5	DTRK	VOIP	Adjusts sensitivity from digital C.O. Tx to VOIP C.O. Rx
	6	DTRK	SVMi	Adjusts sensitivity from digital C.O. Tx to SVMi Rx
	7	DTRK	WLAN	Adjusts sensitivity from digital C.O. Tx to WLAN Rx
4	0	ITP	DGP	Adjusts sensitivity from ITP Tx to digital phone Rx
	1	ITP	SLT	Adjusts sensitivity from ITP Tx to normal station Rx
	2	ITP	ATRK	Adjusts sensitivity from ITP Tx to analog C.O. Rx
	3	ITP	DTRK	Adjusts sensitivity from ITP Tx to digital C.O. Rx
	4	ITP	ITP	Adjusts sensitivity from ITP Tx to ITP Rx
	5	ITP	VOIP	Adjusts sensitivity from ITP Tx to VOIP C.O. Rx
	6	ITP	SVMi	Adjusts sensitivity from ITP Tx to SVMi Rx
	7	ITP	WLAN	Adjusts sensitivity from ITP Tx to WLAN Rx
5	0	VOIP	DGP	Adjusts sensitivity from VOIP C.O. Tx to digital phone Rx
	1	VOIP	SLT	Adjusts sensitivity from VOIP C.O. Tx to normal station Rx
	2	VOIP	ATRK	Adjusts sensitivity from VOIP C.O. Tx to analog C.O. Rx
	3	VOIP	DTRK	Adjusts sensitivity from VOIP C.O. Tx to digital C.O. Rx
	4	VOIP	ITP	Adjusts sensitivity from VOIP C.O. Tx to ITP Rx
	5	VOIP	VOIP	Adjusts sensitivity from VOIP C.O. Tx to VOIP C.O. Rx
	6	VOIP	SVMi	Adjusts sensitivity from VOIP C.O. Tx to SVMi Rx

MMC: 805

	7	VOIP	WLAN	Adjusts sensitivity from VOIP C.O. Tx to WLAN Rx
6	0	SVMi	DGP	Adjusts sensitivity from SVMi Tx to digital phone Rx
	1	SVMi	SLT	Adjusts sensitivity from SVMi Tx to normal station Rx
	2	SVMi	ATRK	Adjusts sensitivity from SVMi Tx to analog C.O. Rx
	3	SVMi	DTRK	Adjusts sensitivity from SVMi Tx to digital C.O. Rx
	4	SVMi	ITP	Adjusts sensitivity from SVMi Tx to ITP Rx
	5	SVMi	VOIP	Adjusts sensitivity from SVMi Tx to VOIP C.O. Rx
	6	SVMi	SVMi	Adjusts sensitivity from SVMi Tx to SVMi Rx
	7	SVMi	WLAN	Adjusts sensitivity from SVMi Tx to WLAN Rx
7	0	WLAN	DGP	Adjusts sensitivity from WLAN Tx to digital phone Rx
	1	WLAN	SLT	Adjusts sensitivity from WLAN Tx to normal station Rx
	2	WLAN	ATRK	Adjusts sensitivity from WLAN Tx to analog C.O. Rx
	3	WLAN	DTRK	Adjusts sensitivity from WLAN Tx to digital C.O. Rx
	4	WLAN	ITP	Adjusts sensitivity from WLAN Tx to ITP Rx
	5	WLAN	VOIP	Adjusts sensitivity from WLAN Tx to VOIP C.O. Rx
	6	WLAN	SVMi	Adjusts sensitivity from WLAN Tx to SVMi Rx
	7	WLAN	WLAN	Adjusts sensitivity from WLAN Tx to WLAN Rx

There are four types of tone sensitivity adjustment as shown below:

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

3. R2 LEVEL CONTROL : Adjust R2MFC signal detection

0. THRESHOLD

1. TX LEVEL

2. RX LEVEL

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: 805

ACTION

DISPLAY

1. Press TRANSFER 805.
Display shows.
2. Press UP or DOWN key to make selection (TX LEVEL CONTROL, MISC TSW GAIN or TSW GAIN CONTROL).
After selection is made, press RIGHT soft key to move cursor to volume level or tsw connect type option.
- 3.a. Press RIGHT soft key to go to the volume level
OR
Use UP or DOWN key to go to the next volume level.
- 3.b. Press RIGHT soft key to go to the tsw connect type
OR
Use UP or DOWN key to go to the next tsw connect type.
- 4.a. Enter desired volume data via dial pad
OR
Use UP or DOWN key to scroll data (0-9).
- 4.b. Press UP or DOWN key to make selection tsw gain control data and press RIGHT soft key to go to 3.b.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

TX LEVEL CONTROL
LEVEL 0 → 0

TX LEVEL CONTROL
LEVEL 0 → 1

TX LEVEL CONTROL
LEVEL 1 → 2

TSW GAIN CONTROL
SLT→ATRK:0 dB

TX LEVEL CONTROL
LEVEL 1 → 3

TSW GAIN CONTROL
SLT→ATRK: +2dB

DEFAULT DATA:

TX LEVEL CONTROL

INDEX	0	1	2	3	4	5	6	7
LEVEL	0	1	2	4	3	5	6	7

MISC TSW GAIN

MMC: 805

BGM/MOH : 0

TSW GAIN CONTROL

TX \ RX	DGP	SLT	ATRK	DTRK	ITP	VoIP	SVMi	WLAN
DGP→	0.0	0.0	0.0	0.0	-6.0	0.0	-6.0	0.0
SLT→	0.0	0.0	0.0	0.0	0.0	0.0	-6.0	0.0
ATRK→	0.0	0.0	-6.0	-6.0	0.0	0.0	-6.0	0.0
DTRK→	0.0	+1.9	+1.9	0.0	-6.0	0.0	-6.0	0.0
ITP→	0.0	0.0	0.0	0.0	0.0	0.0	-6.0	0.0
VoIP→	0.0	0.0	0.0	0.0	0.0	0.0	-6.0	+1.9
SVMi→	-6.0	-6.0	-6.0	-6.0	0.0	0.0	-6.0	0.0
WLAN→	0.0	0.0	-6.0	0.0	0.0	0.0	+1.9	0.0

RELATED ITEMS: NONE

MMC: 806

CARD PRE-INSTALL

DESCRIPTION:

Allows the preprogramming of a card slot for a specific board type. A board inserted into a OfficeServ 7200 system will not be recognized by the system until it is ENABLED using this MMC. Cards installed using MMC 806 will NOT be assigned in the system numbering plan. You must then use MMC 724 to assign the desired directory numbers to extensions, trunks, ports or miscellaneous functions.

NOTE1: If a card is removed and a different type card is inserted and this MMC is performed, the memory associated with that card (i.e. key programming, etc.) will be erased.

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 806.
Display shows.

C:1 - S:1
8DLI-> 16DLI

2. Press UP or DOWN key to make selection (i.e. Cabinet 1) and press RIGHT soft key.

C:1 - S:1
8DLI-> 8DLI

To select which slot to address press UP or DOWN key to make selection
OR

C:1 - S:1 P:B
16DLI-> 16DLI

Use the dial pad to make a selection (i.e. Slot 6) and press RIGHT soft key.

C:1 - S:5
NONE -> 8DLI

Press UP or DOWN key to make selection or use the DIAL to select (1 = yes 0 = no).

C:1 - S:5
RESET CARD? YES

Press UP or DOWN key to make selection or use the DIAL to select (1 = yes 0 = no)

C:1 - S:5
ARE YOU SURE? YES

MMC: 806

and press RIGHT soft key to return to step 1.

Continue to add cards as shown in 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 724 DIAL NUMBERING PLAN](#)

MMC: 807 ADJUST DIGITAL PHONE TONE QUALITY

WARNING: Do not change any settings
unless directed by Technical Support.

MMC: 808

T1 PARAMETERS

DESCRIPTION:

Provides a means to set the parameters needed to meet the requirements of a T1 span.

CODING FORMAT

- | | | |
|---|------|----------------------------|
| 0 | AMI | Alternate Mark Inversion |
| 1 | B8ZS | Binary 8 Zero Substitution |

SIGNALLING FORMAT

- | | | |
|---|-----|---|
| 0 | SF | Superframe |
| 1 | ESF | Extended Superframe
(BOM) used in the USA.
(HDLC) not 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 |

ACTION

1. Press TRANSFER 808.
Display shows.
2. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.
3. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and
return to step 1.
4. Press RIGHT softkey to move cursor.
Press UP or DOWN key to make selection.
Press RIGHT softkey to move cursor.

Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and
return to step 1.

DISPLAY

[701] T1 PARAMETERS
CODING: AMI

[701] T1 PARAMETERS
CODING: AMI

[701] T1 PARAMETERS
CODING: B8ZS

[701] T1 PARAMETERS
SIGNAL: SF

[701] T1 PARAMETERS
SIGNAL: ESF (BOM)

MMC: 808

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

DEFAULT DATA: **FORMAT = AMI**
 SIGNALLING = SF

RELATED ITEMS: [MMC 411 T1 SIGNALING](#)

MMC: 810

HALT PROCESSING

DESCRIPTION:

Used only in the event that all data processing needs to be stopped either in a single cabinet, slot or in the entire system.

PROGRAM 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 810.
Display shows.
2. Enter cabinet selection via dial keypad
OR
Press UP or DOWN key to make selection.
Press RIGHT soft key to advance cursor.

Press ANS/RLS to select all cabinets
and slots.
3. Enter slot number via dial keypad
OR
Press UP or DOWN key to make selection.
Press RIGHT soft key to advance cursor.
4. Enter 1 for HALT or 0 to PROC
OR
Press UP or DOWN key to make selection.
Press RIGHT soft key to enter and return to
step 2.

HALT/PROCESSING
C:ALL S:ALL→ PROC

HALT/PROCESSING
C:1 S:ALL→ PROC

HALT/PROCESSING
C:ALL S:ALL →PROC

HALT/PROCESSING
C:ALL S:ALL →HALT

MMC: 810

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

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 811

RESET SYSTEM

DESCRIPTION:

Provides three methods of restarting the system. The first method restarts the system and clears all memory. The second method restarts the system only. The third method restarts the system but does not reload the software from the Smart Media card. If clear all memory is selected, only the default data will return. Extreme care should be taken when using this MMC. If the system is restarted, all voice/data connections are dropped. If memory is cleared, all customer data is deleted and the system returns to defaulted status.

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 811.
Display shows.
2. Press UP or DOWN key to make selection.
After selection is made, press RIGHT
soft key to move cursor to YES/NO option.
3. Press UP or DOWN key to make selection
and press RIGHT soft key.
4. Press UP or DOWN key to make selection
and press RIGHT soft key.
This erases all data in the system
5. System will return with default time and
date and default extension number
OR
If system just restarted, it will return to
normal programmed status.

DISPLAY

SYSTEM RESTART
RESET SYSTEM?NO

SYSTEM RESTART
CLEAR MEMORY?NO

SYSTEM RESTART
CLEAR MEMORY?YES

SYSTEM RESTART
ARE YOU SURE?YES

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 812

SET COUNTRY

DESCRIPTION:

This program allows the user to change the country version of the system software.

Programming is possible without setting ENABLE in Program 800 Set Technician Program Mode. In this case, the user must enter the technician program passcode.

Note: System restarts when the current country version is changed, and all data is initialized according to the new country version.

Caution: Version is designed to conform to the country's standards. Therefore, contact your Customer Support Center for specialized assistance when using "Program 812 Change Program Country Version."

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 812.
Display shows.
2. Press VOLUME to select the country version and press RIGHT soft button.
3. Enter [1] (YES) or [0] (NO)
OR
Press VOLUME to select whether to restart and press RIGHT soft button.

DISPLAY

SELECT COUNTRY
KOREA

DEFAULTING SYSTEM
ARE YOU SURE?NO

DEFAULTING SYSTEM
ARE YOU SURE?YES

DEFAULT DATA: KOREA

RELATED ITEMS: [MMC 811 RESTART SYSTEM](#)

MMC: 813

USE HOTEL MODE

DESCRIPTION:

This MMC allows the system installer to enable the HOTEL feature. When enabled all associated Hotel/Motel MMCs required to support this application can be viewed and programmed by the installer.

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 813.
Display shows.
2. Enter [1] (YES) or [0] (NO)
OR
Press VOLUME to select whether to use
the Hotel feature and press RIGHT soft button.
3. Enter [1] (YES) or [0] (NO) for confirmation
OR
Press VOLUME to select whether to use
the Hotel feature and press RIGHT soft button.

DISPLAY

HOTEL OPERATION
DISABLE

HOTEL OPERATION
CHANGE NOW ? NO

HOTEL OPERATION
ARE YOU SURE?NO

DEFAULT DATA: DISABLE

RELATED ITEMS: MMCs related to Hotel Feature

MMC: 815 CUSTOMER DATABASE COPY

DESCRIPTION:

Provides a means to copy the customer database to the SMDB (OfficeServ 7200 Smart Media card Data Base). This enables the on board database (SRAM) to be copied to the SMDB and also allows the SMDB database to be copied to the on board database. A daily save can be programmed to automatically save the on board data base to the SMDB. This ensures that an up to date database is always available in the case of a catastrophic failure. A daily save time of 00:00 means there is no save performed. It is recommended to CLEAR the SMDB before the SRAM is copied to it. When the SRAM is copied to the SMDB there is no interruption in service. If the SMDB is copied to the SRAM the system will reset to accept the new data.

DATABASE IDENTIFICATION

SMDB	OfficeServ 7200 Smart Media card database
SRAM	OfficeServ 7200 MCP On-Board database
S:mm/dd/yy hh:mm	Indicates the time the database was saved to the SMDB or the time the SRAM was last saved
DAILY SAVE hh:mm	The time the SRAM will be saved to the SMDB

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 815.
Display shows.
2. Press RIGHT soft key to move cursor.
3. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.
4. Press RIGHT softkey to move cursor.
Press UP or DOWN key to make selection.
Press RIGHT softkey to change prompt.

DISPLAY

CUST DBASE: SMDB
S: 03/12/99 00:00

CUST DBASE: SMDB
S: 03/12/99 00:00

CUST DBASE: SMDB
CLEAR SMDB: NO

CUST DBASE: SMDB
CLEAR SMDB: YES

MMC: 815

- | | |
|---|---|
| 5. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and
return to step 3. | CUST DBASE: <u>S</u> MDB
CLEAR SMDB: <u>N</u> O |
| 6. Press UP or DOWN key to make selection.
Press RIGHT softkey to move cursor. | CUST DBASE: <u>S</u> RAM
DAILY SAVE : 00:00 |
| 7. Press UP or DOWN key to make selection
OR | CUST DBASE: <u>S</u> RAM
<u>D</u> AILED SAVE : 00:00 |
| 8. Press RIGHT softkey to move cursor
and input save time.
Press RIGHT softkey to move cursor. | CUST DBASE: <u>S</u> RAM
<u>D</u> AILED SAVE : <u>2</u> 3:30 |
| 9. Press UP or DOWN key to make selection.
Press RIGHT softkey to move cursor. | CUST DBASE: <u>S</u> RAM
COPY TO SMDB: <u>N</u> O |
| 10. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and
return to the next step 9
OR | CUST DBASE: <u>S</u> RAM
ARE YOU SURE?: <u>Y</u> ES |
| 11. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC. | |

DEFAULT DATA: DAILY SAVE 00:00 (no daily save)

RELATED ITEMS: [MMC 819 DISPLAY SMARTMEDIA DATA](#)

MMC: 816

CONFERENCE GAIN

DESCRIPTION:

Provides a tool to adjust the gain or loss of stations and trunks in the conference bridge. This is made available to allow for the adjustment of the conference bridge due to permanent unsatisfactory C.O. conditions that may inhibit a satisfactory conference bridge. Programming adjustments can be made on individual conference analog trunk members.

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

IDENTIFICATION

MEMBER: This identifies which size of conference the adjustment will be made for. ie. 3,4 or 5 party conference.
A-TRK: This identifies which analog trunk member that is being addressed.
CNF: This is the gain or loss adjustment in the conference bridge.
SW: This is the gain or loss adjustment in the time division switch.

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 816.
Display shows.
2. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and to move cursor.
3. Press UP or DOWN key to make selection
OR use the DIAL pad to make a selection.
4. Press UP or DOWN key to make selection eg.
4 part conference bridge. Press RIGHT soft
key to move cursor.

DISPLAY

CONFERENCE GAIN
USE DEFAULT :YES

CONFERENCE GAIN
USE DEFAULT :NO

MEMBER: 3 A-TRK: 0
CNF: -2.5 SW: +0.0

MEMBER: 4 A-TRK: 0
CNF: -2.5 SW: +0.0

MMC: 816

5. Press UP or DOWN key to make selection
Press RIGHT soft key to make change and
move cursor
OR
6. Use the DIAL pad to make a selection
Eg. Analog trunk number 2.
Press RIGHT soft key to make change and
move cursor.
7. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and
move cursor.
8. Press UP or DOWN key to make selection.
Press RIGHT softkey to move cursor and
Return to Step 3
OR
Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

MEMBER: 4 A-TRK: 0
CNF: -2.5 SW: +0.0

MEMBER: 4 A-TRK: 2
CNF: -2.5 SW: +0.0

MEMBER: 4 A-TRK: 2
CNF: -2.5 SW: +0.0

MEMBER: 4 A-TRK: 2
CNF: -2.5 SW: +0.0

DEFAULT DATA:

3 party conference: MEMBER: 3 A-TRK: 0
CNF: -2.5 SW: -0.0
MEMBER: 3 A-TRK: 1
CNF: -2.5 SW: -0.0
MEMBER: 3 A-TRK: 2
CNF: -2.5 SW: -2.5

4 party conference: MEMBER: 4 A-TRK: 0
CNF: -6.0 SW: -0.0
MEMBER: 4 A-TRK: 1
CNF: -6.0 SW: -0.0
MEMBER: 4 A-TRK: 2
CNF: -6.0 SW: -2.5
MEMBER: 4 A-TRK: 3
CNF: -6.0 SW: -6.0

5 party conference: MEMBER: 5 A-TRK: 0
CNF: -6.0 SW: -0.0
MEMBER: 4 A-TRK: 1

MMC: 816

5 party conference: CNF: -6.0 SW: -0.0
 MEMBER: 4 A-TRK: 2
 CNF: -6.0 SW: -2.5
 MEMBER: 4 A-TRK: 3
 CNF: -6.0 SW:- 6.0
 MEMBER: 4 A-TRK: 4
 CNF: -6.0 SW:- 6.0

CAUTION: This is not to correct low volume. This is to be used only with the support of the STA Technical Support Department. Do not change default values.

MMC: 818

PROGRAM DOWNLOAD

DESCRIPTION:

Provides a means to upgrade system hardware from the SmartMedia Card. In this way hardware can be upgraded with a minimum of system interruption. The upgraded software is loaded into the various system PCB's, directly from the SmartMedia card.

NOTES:

1. Updating the MCP card will cause the system to reset.
2. Updating SCP/LCP cards will affect only the shelf that the card resides on.
3. Updating PRI cards will only affect those particular cards.

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 818.
Display shows.
2. Press UP or DOWN key to select card to download.
3. Press RIGHT softkey to move cursor.
Press UP or DOWN key to select software version to be downloaded.
4. Press RIGHT soft key to make change prompt.
5. Press UP or DOWN key to make selection.
6. Press RIGHT soft key to make change and return to step 2.

DISPLAY

PGM DOWNLOAD
PLEASE WAIT...

PGM DOWNLOAD
MCP: MCPV244.PGM

PGM DOWNLOAD
PRI:PRI_V107.PGM

PRI PGM
DOWNLOAD NOW? NO

PRI PGM
DOWNLOAD NOW? YES

PGM DOWNLOAD
SMART IS BUSY

MMC: 818

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

DEFAULT DATA: CONTENTS OF SMARTMEDIA CARD

RELATED ITEMS: [MMC 727 SYSTEM VERSION](#)

MMC: 819 SMART MEDIA FILE CONTROL

DESCRIPTION:

This program displays the name and size of the files saved on the SmartMedia card. Use this to verify files and their size. Files that are no longer necessary can be deleted to make space for new files.

STARTUP.INI	When the user selects the MCP program in MMC 818, the program information is saved in this file. This file is created only when the program is selected. This file is automatically created when multiple MCP programs exist and one is loaded.
STARTUP.PRE	This program loads the MPP program saved in SmartMedia using the memory in the MCP board when the system is initiated. This program is essential since it is required for starting the system. .
MPPSXXXX.PGM	Program for the MCP board. SmartMedia shall have one or more MCP programs since there are no MCP programs on the MCP board.
LPPXXXXX.PGM	LCP Program. LCP program is already installed in the LCP card. The programs in SmartMedia are used for S/W version upgrade.
PRI_VXXX.PGM	TEPRI program. TEPRI program is already installed in the card. The TEPRI program in SmartMedia is used for S/W version upgrade.
DATABASE.SME	This database file is created in SmartMedia when the DB is copied to SMDB in MMC 815. This file is created only when the SMDB is created in MMC 815.

ACTION

1. Press TRANSFER 819.
Display shows.
2. Press VOLUME to display the data of the files saved in SmartMedia.
3. Press HOLD and select [1] (YES) to delete the file shown on the LCD screen from SmartMedia.

DISPLAY

```
STARTUP.EXE  
sz:77656 byte
```

```
MPPSV100.PGM  
sz:7307776 byte
```

```
LPP051702.PGM  
DELETE FILE? NO
```

MMC: 819

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

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 820

ASSIGN SYSTEM LINK ID

DESCRIPTION:

This MMC is used to assign the system link ID for Q-sig and VoIP networking. In addition each Link ID is also associated with the IP address of the MCP card for that system for use when IP networking is used to connect to that system.

OPTION	DESCRIPTION
LINK ID	System ID used for networking. Unique ID is assigned for each node in the network. Note: "Node" refers to an OfficeServ 7200, iDCS 500, or iDCS 100 in the network.
SIGNAL G/W	IP address for each node in the network. The IP address assigned to the MCP in MMC 830 is used.
IP TYPE	Public or private type is assigned to each node for 'SELF'. The IP TYPE assigned in MMC 830 is applied.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to delete an entry

ACTION

1. Press TRANSFER 820.
Display shows.
2. Press UP or DOWN to select system.
3. Press RIGHT soft key twice to move cursor to entry field. Enter SYS LINK ID for each networked system.
4. Press RIGHT soft key twice to move cursor to option field.
Press UP to select SIGNAL G/W networked system.

DISPLAY

SELF: LINK ID

SYS05: LINK ID

SYS05: LINK ID
006

SYS05: SIGNAL G/W

MMC: 820

5. Press RIGHT soft key to move cursor to entry field. Enter MCP IP address for each IP networked system.
6. Press TRANSFER button to store and exit
OR
Press SPEAKER button to store and advance to next MMC.

SYS05:
192.168.0.xxx

DEFAULT DATA: NOT USED

RELATED ITEMS: [MMC 830: ETHERNET PARAMETERS](#)

MMC: 821

Q-SIG TRUNK

DESCRIPTION:

Provides a means of programming a PRI for normal C.O. operation or networking. This option will only prompt for the first trunk in the span, but will affect the entire span.

OPTIONS	DESCRIPTION
NORMAL	For CO operation.
Q-SIGNALLING	For Q-Sig/PRI networking.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to delete an entry

ACTION

1. Press TRANSFER 821.
Display shows.
2. Press UP or DOWN key to select PRI.
3. Press RIGHT soft key to move cursor.
4. Press UP or DOWN key to make selection
Press RIGHT soft key to make change and return to step 1.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

[701] Q-SIG TRK NORMAL
[725] Q-SIG TRK NORMAL
[725] Q-SIG TRK <u>N</u> ORMAL
[725] Q-SIG TRK <u>Q</u> -SIGNALLING

DEFAULT DATA: ALL SPANS NORMAL OPERATION

RELATED ITEMS: [MMC 823 NETWORK COS](#)
[MMC 824 NETWORK DIALING](#)
[MMC 825 NETWORK OPTIONS](#)

MMC: 822

VIRTUAL STATION TYPE

DESCRIPTION:

This MMC determines the type of telephone, SLT or keyset model, that a virtual port will emulate. The virtual ports can be set to emulate SLT ports, DCS sets, iDCS sets or ITP sets. The ports cannot be made to emulate AOMs or 64 button modules.

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 822.
Display shows.
2. Dial station number (e.g., 3505)
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
3. Press UP or DOWN to select type and press
LEFT or RIGHT soft key to return to step 2
above.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

[3501] PORT TYPE
SLT

[3505] PORT TYPE
SLT

[3505] PORT TYPE
28 BTN

DEFAULT DATA: 3501 to 3522 Default to SLT
3401 to 3440 Default to 28 Button Keyset

Note: References to 6B, 38B, 14B and Large Set are for Korean Domestic market only.

RELATED ITEMS: NONE

MMC: 823

NETWORK COS

DESCRIPTION:

This MMC is used to create new networking COS or change the default values of an existing COS. This allows for multiple, different COS to be used. There are 30 network classes of service available. These classes of service follow the COS assignments in MMC 301.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to delete an entry

ACTION

1. Press TRANSFER 823.
Display shows.
2. Press UP or DOWN key to select COS and
press RIGHT soft key to move cursor.
3. Press UP or DOWN key to select option.
Press RIGHT soft key to move cursor.
4. Press UP or DOWN key to select YES
or NO.
Press RIGHT soft key to make change and
return to Step 2.
5. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC.

DISPLAY

```
NETWORK COS    (01)
01: CALL OFFER: Y
```

```
NETWORK COS    (05)
01: CALL OFFER: Y
```

```
NETWORK COS    (05)
03:CC PATH RSV: Y
```

```
NETWORK COS    (05)
03:CC PATH RSV: N
```

MMC: 823

These are the selectable options:

01 – CALL OFFER: Enables a call to be offered to a busy called user and to wait for that called user to accept the call, after the necessary resources have become available. The busy called user is given an indication of the offered call. During the time that the call is offered, the called user may ignore the offered call or may attempt to make the necessary resources available (e.g. by releasing or placing on hold another call). When and if the necessary resources become available, the call shall be completed as a normal incoming call.

04 – CC SIG CONN: There are two ways in which Callback features controls signaling connections:

YES = connection retention method – the signaling connection is maintained until completion or cancellation.

N) = connection release method – the signaling connection is cleared after each phase of call independent signaling and a new signaling connection is established for each subsequent phase of call independent signaling.

05 – CC SVC RETN: There are two possible behaviors when User B is found to be busy again after User A responds to callback recall:

YES = service retention method – the CC Request remains in force at the Originating and Terminating nodes and the Terminating node commences the monitoring of User B again;

NO - service cancellation method – the Callback Request is cancelled at the Originating and Terminating nodes.

06 – CCBS: Completion of Calls to Busy Subscribers. This enables the Call Back feature over the network. YES – Callback enabled and NO = Callback disables. *Not available on QSIG over PRI networking.*

07 – CCNR: Completion of Calls on No Reply is a supplementary service which is offered to a calling User A. On encountering a called User B which does not answer, it allows User A to request that the PISN monitors User B and notifies User A when User B becomes free after a subsequent period of activity. On response by User A to that notification the PISN shall attempt to complete the call to User B.

08 – CFB: Call Forward Busy (CFB) enables a served user to have the node redirect to another user calls which are addressed to the served user's PISN number and meet busy. SS-CFB may operate on all calls or just those associated with specified basic services. The served user's ability to originate calls is unaffected by SS-CFB.

MMC: 823

09 – CFNR: Call Forward No Reply (CFNR) enables a served user to have the PISN redirect to another user calls which are addressed to the served user's PISN number and for which the connection is not established within a predefined period of time. The served user's ability to originate calls is unaffected by CFNR.

10 – CFU: Call Forward Unconditional (CFU) enables a served user to have the node redirect to another user calls which are addressed to the served user's node number. CFU may operate on all calls or just those associated with specified basic services. The served user's ability to originate calls is unaffected by CFU. After CFU has been activated calls are forwarded independently of the status of the served user.

11 – CI: Call Intrusion (CI) is a supplementary service which, on request from the served user, enables the served user to establish communication with a busy called user (user B) by breaking into an established call between user B and a third user (user C). On successful intrusion, user C is either connected in a conference type connection with the served user and user B or disconnected from user B (isolated).

12 - CI CAPABIL: Intrusion Capability Level (1 ~ 3): An intrusion request is only accepted if the served user has a higher Call Intrusion Capability Level (CICL) than the Call Intrusion Protection Level (CIPL) of both user B and user C.

14 – CI PROTECT: Intrusion Protection Level (0 ~ 3) Refer to the above 12.

23 – CONP LEVEL: The calling user can be provided with the name identification information according to the CONP level, CONP Level (0 ~ 3).

26 – CT RE-ROUTE: Transfer By Rerouting (CT) is a supplementary service which enables a served user (User A) to transform two of that users calls into a new call between the other two users of the two calls (User B and User C). Each call can either be an incoming call to User A or an outgoing call from User A. After successful invocation of CT, User B and User C will no longer be able to communicate with User A.

27 – DND TONE: DND Announcement. As an implementation option, it may be possible for the served user to select a tone or announcement to be given to the calling user on invocation of DND.

28 – DNDO: Do Not Disturb Override (DNDO) is a supplementary service which enables a calling user to override DND at a called user, allowing the call to proceed as if the called user had not activated DND.

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29 – DNDO CAPABL: DNDO Capability Level (0 ~ 3) The subscription parameter “DNDO Capability Level” (DNDOCL) shall be provided. The DNDOCL has a value in the range 1 (lowest capability) to 3 (highest capability). At least one of the DNDOCL values shall be offered.

30 – DNDO PROTEC: If DNDO Protection Level (1 ~ 3) is implemented then the subscription parameter “DND protection level” (DNDPL) shall be provided. The DNDPL has a value in the range 0 to 3 where 0 means no protection against DNDO and 3 means total protection against DNDO. The values 0 and 3 shall be offered. The values 1 and 2 may, as an implementation option, be offered.

31 - PAGE.: This feature allows station users in one node to initiate network pages to other page zones to different nodes in the network.

32 - PATH REPL.: Path Replacement (PR) is invoked by an ANF-PR user for an established call, allowing that call's connection through the network to be replaced by a new connection. The direction of the new connection may be decided by the PR user. If the new connection is required to satisfy certain criteria, PR should be used in conjunction with other supplementary services.

33 - PATH RETEN: Path Retention -the retention of the network connection between the Originating and Terminating nodes so that a supplementary service (such as DNDO) can be invoked without establishing a new connection.

DEFAULT DATA:

01: CALLER OFFER:	Y
03: NOT USED	
04: CC SIG CONN:	Y
05: CC SVC RETN:	Y
06: CCBS:	N
07: CCNR:	N
08: CFB:	Y
09: CFNR:	Y
10: CFU:	Y
11: CI:	N
12: CI CAPABIL:	2
14: CI PROTECT:	2
15: NOT USED	
16: NOT USED	
17: NOT USED	
18: NOT USED	
19: NOT USED	
20: NOT USED	
21: NOT USED	

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22: NOT USED
23: CONP LEVEL: 3
24: NOT USED
25: NOT USED
26: CT RE-ROUTE: N
27: DND TONE: N
28: DNDO: Y
29: DNDO CAPABL: 2
30: DNDO PROTEC: 2
31: PAGE: Y
32: PATH REPL.: Y
33: PATH RETN: N

RELATED ITEMS: [MMC 821 Q-SIG TRUNK](#)
[MMC 824 NETWORK DIALING](#)
[MMC 825 NETWORK OPTIONS](#)

MMC: 824

NETWORK DIAL PLAN

DESCRIPTION:

This MMC is the translation table that defines the extension dialing plan for the networked systems.

PROGRAMMED FIELD DESCRIPTIONS: PP:NONE → DDDD
SZ:X MAX:XX MB:XX

PP	Dial Plan Number (01-96).
DDDD	Link ID and leading digits for the extension numbers in that switch (8 characters maximum).
SZ	Number of digits in extension number (0-9).
MAX	Number of digits total (1-20) for ID number and extension number.
MB	Create mailbox for this extension range in this switch (Y/N).

PROGRAM KEYS

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

ACTION

DISPLAY

1. Press TRANSFER 824.
Display shows.
2. Press UP or DOWN key to select plan number and press RIGHT soft key to move cursor.
3. Enter LINK ID and FIRST DIGIT of extension number using the keypad and press RIGHT soft key to move cursor.
4. Enter number of digits in the extension number. Cursor advances to next field.
5. Dial maximum number of digits. Cursor advances to next field.

```
01: NONE→  
SZ:0 MAX:00 MB:N
```

```
10: NONE→  
SZ:0 MAX:00 MB:N
```

```
10: NONE→ 0033  
SZ:0 MAX:04 MB:N
```

```
10: NONE→ 0033  
SZ:3 MAX:04 MB:N
```

```
10: NONE→ 0033  
SZ:3 MAX:06 MB:N
```

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6. Press UP or DOWN key to select YES or NO for mailbox information.
Press RIGHT soft key to make change and return to step 1.

10: NONE→ 0033
SZ:3 MAX:06 MB:Y

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

DEFAULT DATA: NONE
SZ: 0
MAX: 00
MB: N

RELATED ITEMS: [MMC 710 LCR DIGIT TABLE](#)
[MMC 724 DIAL NUMBERING PLAN](#)
[MMC 820 ASSIGN SYSTEM LINK ID](#)
[MMC 825 NETWORK OPTIONS](#)

Note: You must have an entry in MMC 724 under Network LCR Num Plan for it to appear in this MMC.

MMC: 825

NETWORK OPTIONS

DESCRIPTION:

When you have networked switches, this MMC is used to set the network related options for Caller ID and Voice Mail.

These are the options:

0	ADD NUMBER TO NAME	Assign to include the extension number in the name field of Q-SIG standard message.
1	USE REMOTE VM	Assign to use SVM on remote system.
2	REMOTE VM NUMBER	Assign to access number of remote SVMi when Remote VM is used.
3	REMOTE CID NUMB	Assign to use delete node number when CID number send to SVMi.
4	USE REMOTE ATTN	Assign to use Attendant on remote system.
5	REMOTE ATTN NUMB	Assign to access number of remote attendant when the remote attendant is used (one access number per ring plan).
6	SPNET SEND DIGITS	<p>When IP networking systems, this option determines the method used for sending digits between nodes.</p> <ul style="list-style-type: none">• MGI Signalling: follows the "DTMF TYPE" setting in MMC 835 (inband or out of band) for signaling between nodes.• MCP Signalling: MCP sends IPC messages to MCPs in other network nodes over IP with digit information. MGI is not involved. This does <u>not</u> apply to analog devices sending digits across the network (i.e. SLT)

PROGRAM KEYS

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

MMC: 825

ACTION

1. Press TRANSFER 825.
Display shows.
2. Press RIGHT soft key to move cursor.

Press UP or DOWN key to select
YES or NO.
3. Press UP or DOWN key to select option
and then follow step 2.
4. Press TRANSFER to store and EXIT or
Press SPEAKER to store and advance to next
MMC.

DISPLAY

NAME: NUMB APPEND
YES

NAME: NUMB APPEND
NO

USE REMOTE VM
NO

DEFAULT DATA: ADD NUMB TO NAME: YES
USE REMOTE VM: NO
REMOTE VM NUMBER: NONE
REMOTE CID NUMB: YES
REMOTE ATTN NUMB: NONE
SPNET DIGIT SEND: MGI SIGNALLING

RELATED ITEMS: [MMC 724 DIAL NUMBERING PLAN](#)
[MMC 821 Q-SIG TRUNK](#)
[MMC 823 NETWORK DIALING](#)
[MMC 824 NETWORK DIAL PLAN](#)
[MMC 835 MGI DSP OPTIONS](#)

MMC: 826

CLOCK SOURCE

DESCRIPTION:

This MMC determines which span the system will take its clocking from. Priority 1 is the first choice. Assign this to the cabinet and slot you want to clock to first. Then if this span is down decide which other span will be the second priority and so on.

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 826.
Display shows.
2. Press UP or DOWN key to select
priority (1-9)
OR
3. Press RIGHT soft key to move cursor
then press UP and DOWN key to
select cabinet and slot.
4. Press TRANSFER to store and EXIT or
Press SPEAKER to store and advance to next
MMC.

DISPLAY

REFERENCE CLOCK
PRIORITY 1: C1-S1

REFERENCE CLOCK
PRIORITY 3: C1-S1

REFERENCE CLOCK
PRIORITY 3: C2-S3

DEFAULT DATA: PRIORITY 1: C1-S1

RELATED ITEMS: CLK LED ON DTPRI CARDS

MMC: 829**LAN PRINTER PARAMETER****DESCRIPTION:**

This program sets the various parameters required for printing to a LAN connected device (PC or printer).

The eight types of data listed below can be displayed using the LAN printer or PC.

REPORT	LAN TCP PORT (TCP port of MCP providing the service)
[01] SMDR	5100
[02] UCD REPORT	5101
[03] TRAFFIC REPORT	5102
[04] ALARM REPORT	5103
[05] UCD VIEW	5104
[06] PERIODIC UCD	5105
[07] HOTEL REPORT	5106
[08] PMS	(NOT USED)

Ports 5100 ~ 5106 are fixed and are displayed in the “LAN TCP” field below.

The items that are set in this program are listed below.

00	DATA TYPE	Type of data to be displayed (01~08 above)
01	CURR STATUS	Current status of the LAN printer (READ ONLY FIELD) When “DESTINATION” is PC, this field will display “OFF” until PC is connected.
02	EMPTY BUFF	Prints all data left in the buffer
03	UPDATE LAN	Applies modified items When making any TCP/LAN related parameter, select “YES” to update LAN (and save) for changes to take effect.
04	DESTINATION	Select the device where your report prints.
05	PRINTER IP	Sets the IP address of the LAN printer
06	PRINTER TCP	Enter TCP port of printer (see printer manufacturer specifications)
07	LAN TCP	Displays LAN TCP port of the associated service shown in table above (READ ONLY)
08	RETRY COUNT	Retransfer attempt count (00~10)
09	RETRY WAIT	Wait time for retransfer(005~250 sec)
10	PJL ENABLE	Sets PJL(0. FALSE, 1. TRUE)

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11	LANGUAGE	Printer language(0. RAW, 1. PCL, 2. PS)
12	PAPER SIZE	Paper size(0. A4, 1. LETTER)
13	FONT TYPE	Font type(0. COURIER, 1. TIMES NEW ROMAN)
14	DUPLEX ENAB	Sets duplex(0. FALSE, 1. TRUE)
15	ORIENTATION	Sets orientation(0. PORTRAIT, 1. LANDSCAPE)
16	PRINT TRAY	Sets printer tray(0. DEFAULT, 1. TRAY 1, 2. TRAY, 3. MANUAL)
17	RESOLUTION	Resolution(0. 300, 1. 600)
18	LINE/PAGE	Line per page

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 829.
Display shows.
2. Enter type of data to be printed
OR
Press VOLUME to select the type and
press the RIGHT soft button to move the
cursor.
3. Enter the item number
OR
Press VOLUME to select the item and press
the RIGHT soft button to move the cursor.
4. Select the data
OR
Press the VOLUME to select the data and
press the RIGHT soft button to move the
cursor.
5. Press TRANSFER to exit the program
OR
Press SPEAKER to move on to the next
program.

DISPLAY

[01] DATA TYPE
SMDR

[02] DATA TYPE
UCD REPORT

[02] PRINTER IP
200. 1. 1. 1

[02] PRINTER IP
168.219. 83.101

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DEFAULT DATA:

DATA TYPE	Display type of each numbered data
CURR STATUS	Display current status of the LAN printer
EMPTY BUFF	NO
UPDATE LAN	NO
DESTINATION	OFF
PRINTER IP	200. 1. 1. 1
PRINTER TCP	9100
LAN TCP	5100 ~ 5106 (depending on the "DATA TYPE")
RETRY COUNT	03
RETRY WAIT	010 sec
PJL ENABLE	FALSE
LANGUAGE	RAW
PAPER SIZE	A4
FONT TYPE	COURIER
DUPLEX ENAB	FALSE
ORIENTATION	PORTRAIT
PRINT TRAY	DEFAULT
RESOLUTION	300
LINE/PAGE	60

RELATED ITEMS: [MMC 219 TRAFFIC REPORT PRINTOUT](#)
[MMC 607 UCD OPTIONS](#)

MMC: 830

ETHERNET PARAMETERS

DESCRIPTION:

This MMC provides the means to configure the Internet Protocol (IP) addressing of the OfficeServ 7200 system MCP card. This MMC must be utilized if there are ITP series phones and/or MGI cards used on the system. Even without any VoIP applications you still have to configure the MCP's IP for LAN based OSM connections.

- **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
- **PLEASE ALSO NOTE:** The first 3 parameters: *SYSTEM IP ADDR*, *SYSTEM GATEWAY*, and *SYSTEM NET MASK* are stored separate from the main system database, thus will not be defaulted when MMC811 "CLEAR MEMORY" is performed. Furthermore, any changes to these parameters **will not be applied** until the MCP is reset.

- **SYSTEM IP ADDR:** Specifies the IP address for the MCP card.
- **SYSTEM GATEWAY:** Specifies the designated LAN gateway IP address used for contacting IP devices beyond the local network subnet.
- **SYSTEM NET MASK:** Specifies the IP subnet mask. This parameter is used by the system to calculate the range of IP devices (subnet) that are within "direct reach" of the MCP (without having to go through the designated network IP gateway).
- **SYSTEM RESET:** Prompt to restart system MCP when system IP address is changed. This reset is similar to MMC 811. **You must use this reset for any changes in this MMC to take effect.**
- **SYSTEM IP TYPE:** Defines which IP addressing relationship is used for communications to and from the MCP card.
 - ❑ **PRIVATE IP ONLY** – the system assumes all ITP/VOIP devices are on the same network. Traffic involving non-IP based devices (such as analog trunks, digital keysets, voicemail, etc.) are handled VIA the MGI card.
 - ❑ **PRIVATE w PUBLIC** – the system knows that there is a mixture of ITP/VOIP devices on the same network and on remote network(s), thus communicates accordingly based upon the entries in MMC 840 (for ITP phones) or MMC 838 (for other MCP).

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- Public IP Only – use when MCP's IP address is exposed to the public network.
- **SYSTEM PUBLIC IP:** The MCP will originate communications, to ITP/VOIP devices outside the local network, using this IP address. Communications to/from this IP will require involvement of the MGI card. The system identifies communications to/from this address as "public". This allows devices, on remote networks/subnets, to establish communications with the system, without exposing your LAN. [See "SYSTEM IP TYPE."](#)
- **SYSTEM DHCP:** IP DSHI Service from the WIM board is used, the WIM can assign a single IP to the MCP.
- **DATA SERVER IP ADDRESS:** Private IP address of WIM module (if installed).
- **SYSTEM MAC ADDR:** For your reference, and cannot be changed. The unique hardware (MAC) address of the MCP card.
- **PCMMC ADDRESS:** *No entry required. Reserved for future use.*
- **FEATURE SERVER IP ADDRESS:** *No entry required. Reserved for future use.*
- **SM MANAGER IP:** *No entry required. Reserved for future use.*
- **NEWS ADDRESS:** *No entry required. Reserved for future use.*
- **CTI SERVER ADDRESS:** *No entry required. Reserved for future use.*

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 830.
Display shows the system IP address.
2. Press RIGHT soft key to move cursor on IP address line.
3. Using the keypad enter three digit IP octet numbers IE 192 168 001 010 for 192.168.1.10

DISPLAY

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
165.213. 97.185
```

```
SYSTEM IP ADDR
192.168.001.010
```

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- | | |
|--|--|
| 4. Cursor will return to Step 1 upon completion of IP address entry. | SYSTEM IP ADDR
192.168. 1. 10 |
| 5. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor. | SYSTEM GATEWAY
165.213. 97. 1 |
| 6. Press RIGHT softkey to move cursor to IP gateway address line. | SYSTEM GATEWAY
<u>1</u> 65.213. 97. 1 |
| 7. Using the keypad enter three digit IP octet numbers IE 192 168 001 001 for 192.168.1.1 | SYSTEM GATEWAY
192.168.001.00 <u>1</u> |
| 8. Cursor will return to Step 5 upon completion of system gateway entry. | SYSTEM GATEWAY
192.168. 1. 1 |
| 9. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor. | SYSTEM NET MASK
<u>2</u> 55.255.255. 0 |
| 10. Press UP or DOWN key to make a selection
OR | SYSTEM RESTART
ARE YOU SURE ? NO |
| 11. Press TRANSFER to store and exit OR
Press SPEAKER to store and advance to next MMC. | |

DEFAULT DATA:

SYSTEM IP ADDR:	165.213.97.185
SYSTEM GATEWAY:	165.213.97.1
SYSTEM NET MASK:	255.255.255.0
SYSTEM RESTART:	NO
SYSTEM IP TYPE:	PRIVATE IP ONLY
SYSTEM PUBLIC IP:	1.1.1.1
SYSTEM MAC ADDR:	CARD PENDANT (always unique)

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: 831

MGI PARAMETERS

DESCRIPTION:

This MMC provides the means to configure the Internet Protocol (IP) addressing of the OfficeServ 7200 system MGI card(s). This MMC must be utilized if there are ITP series phone(s) and/or MGI card(s) used on the system.

NOTE: This MMC cannot be accessed unless there is an MGI card installed in 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
- PLEASE ALSO NOTE: The first 3 parameters: *IP ADDRESS*, *GATEWAY*, and *SUB MASK* - changes to these parameters **will not be applied** until the MGI is reset, use the reset option below to reset the MGI.

- **IP ADDRESS:** Specifies the IP address for the MGI card.
- **GATEWAY:** Specifies the designated LAN gateway IP address used for contacting IP devices beyond the local subnet.
- **SUB MASK:** Specifies the IP subnet mask. This parameter is used by the system to calculate the range of IP devices (subnet) that are within “direct reach” of the MGI (without having to go through the designated network IP gateway).
- **IP TYPE:** Defines which IP addressing relationship is used for communications to and from the MGI card.
 - **PRIVATE IP ONLY** – the system assumes all ITP/VOIP devices are on the same network. Traffic involving non-IP based devices (such as analog trunks, digital keysets, voicemail, etc.) are handled VIA the MGI card.
 - **PRIVATE w PUBLIC** – the system knows that there is a mixture of ITP/VOIP devices on the same network and on remote network(s), thus communicates accordingly based upon the entries in MMC 840 (for ITP phones).
 - **Public IP Only** – use when MGI’s IP address is exposed to the public network.
- **PUBLIC IP:** The MGI will originate communications, to ITP/VOIP devices outside the local network, using this IP address. The system identifies communications to/from this address as “public”. This allows devices, on remote

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networks/subnets, to establish communications with the system, without exposing your LAN.

- **PUBLIC PORT:** This defines the UDP port range on the firewall forwarded to the MGI card. When using DSMI service from the WIM module, this port range is automatically configured based on the slot the MGI is installed in. If DSMI is not used, this must be manually configured based on the router/firewalls port forward settings. The default setting should be 30000. This setting defines a range of 32 ports (i.e. 30000 means 30000~30031 etc.). The port number entered is just defining the first of a 32 port range. Each MGI can have a public port thus allowing a single public IP to access multiple MGIs.
- **CARD RESET:** Use this option to reset the MGI. The MGI needs to be reset for changes to IP address, gateway or submask to take 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

ACTION**DISPLAY**

1. Press TRANSFER 831. Display shows the first trunk on selected MGI card.	[3801] IP ADDRESS 168.219. 76.101
2. Press RIGHT soft key to move cursor.	[3801] <u>I</u> P ADDRESS 168.219. 76.101
3. Press RIGHT soft key to move cursor to IP address line.	[3801] IP ADDRESS <u>1</u> 68.219. 76.101
4. Using the keypad enter three digit IP octet numbers IE 192 168 001 050 for 192.168.1.50	[3801] IP ADDRESS 105.052.010.050
5. Cursor will return to Step 2 upon completion of IP address entry.	[3801] <u>I</u> P ADDRESS 105. 52. 10. 50
6. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	[3801] <u>G</u> ATEWAY 168.219. 76. 1
7. Press RIGHT softkey to move cursor to gateway address line.	[3801] GATEWAY <u>1</u> 68.219. 76. 1

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- | | |
|---|---|
| 8. Using the keypad enter three digit IP octet numbers IE 192 168 001 001 for 192.168.1.1 | <pre>[3801] GATEWAY 192.168.001.001</pre> |
| 9. Cursor will return to Step 2 upon completion of gateway entry. | <pre>[3801] GATEWAY 192.168. 1. 1</pre> |
| 10. Press UP or DOWN key to make selection
Press RIGHT soft key to move cursor | <pre>[3801] SUB MASK 255.255.255 0</pre> |
| 11. Using the keypad enter three digit gateway address numbers. | <pre>[3801] SUB MASK 255.255.255 0</pre> |
| 12. Cursor will return to Step 2 upon completion of sub mask entry. | <pre>[3801] SUB MASK 255.255.255 0</pre> |
| 13. Press UP or DOWN key to make a selection
OR | <pre>[3801] PUBLIC IP 1. 1. 1. 1</pre> |
| 14. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC. | |

DEFAULT DATA: IP ADDRESS: 168.219.76.101
GATEWAY: 168.219.76.1
SUB MASK: 255.255.255.0
PUBLIC IP:1.1.1.1
IP TYPE: PRIVATE ONLY
PUBLIC PORT: 300000

RELATED ITEMS: [MMC 615: MGI GROUP](#)
[MMC 616: MGI USER](#)
[MMC 830: ETHERNET 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 714: DID TRANSLATIONS](#)
[MMC 321: CLIP TABLE](#)

MMC: 832

VoIP OUTBOUND DIGITS

DESCRIPTION:

This MMC provides the means to set the MGI internal numbering plan for digit dialing and conversion when using IP trunking application.

- **ACCESS DGT:** This is the access code that is used once the MGI is accessed; this directs a call based on the routing tables used. An access code table then references an access code and correlates an IP address to the access code for routing. A maximum of 8 digits are available with 63 access code entries (00~62).
- **DGT LENGTH:** This field requests the number of digits that are expected to be received to make up the whole access code.
- **DEL.LENGTH:** This is the number of digits to delete after receiving the access code.

NOTE: If no digits are deleted the access code will be sent as part of the call to the destination to continue routing at the far end destination.

- **INSERT DGT:** This is the digit(s) to insert for routing at the destination. This can be used when different numbering plans exist or if a dial 9 access is needed to be inserted in the dialed digits.
- **IP TABLE 1:** This is the first table referenced for routing the access code to an IP address. The system has 63 IP tables (00~62) with 16 entries (00~15) in each table.
- **IP START:** This entry indicates where in a table to start looking for an IP code to associate with the access code. This can be used to manage where to start looking for an IP address in high traffic MGI applications. Example: If IP address routing to the desired destination is known to be in the last 7 entries of a table the IP START location would be 8. IP address searching would start at entry 8.
- **GK USE:** This parameter determines whether a H.323 Gatekeeper (MMC836) will be utilized to establish this connection (0:no, 1:yes).

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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 832. Display shows the first access code entry number and access code.	[0:00] ACCESS DGT 0
2. Press UP or DOWN key to select an entry OR Press RIGHT soft key to move cursor	[0:00] ACCESS DGT 0
3. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an option OR Press RIGHT soft key to move cursor.	[0:00] ACCESS DGT 1
3. Using the keypad input an access code that will reference an IP address table.	[0:00] ACCESS DGT 80
4. Press RIGHT soft key to enter data and move cursor. Press UP or DOWN key to select an option entry.	[0:00] DGT LENGTH 80
5. Press RIGHT soft key to move cursor. Using the keypad enter the number of digits in the access code. Press RIGHT soft key to enter data and move cursor.	[0:00] DGT LENGTH 2
6. Press UP or DOWN key to select an entry Press RIGHT soft key to move cursor.	[0:00] DEL. LENGTH 1
7. Using the keypad enter the number of digits of the access code to delete. Press RIGHT soft key to enter data and to move cursor.	[0:00] DEL. LENGTH 2
8. Press UP or DOWN key to select an option. Press RIGHT soft key to move cursor.	[0:00] INSERT DGT

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9. Using the keypad enter the digits to insert.
Press RIGHT soft key to enter data and move cursor.

[0:00] INSERT DGT
9
10. Press UP or DOWN key to make selection.
Press RIGHT soft key to move cursor.

[0:00] IP TABLE 1
00
11. Using the keypad enter two digit IP table to translate dialed numbers to IP address.

[0:00] IP TABLE 1
01
13. Press RIGHT soft key to move cursor. Using the keypad enter two digit IP translation start location to search for an IP address
OR
14. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: ACCESS DGT: 00~09 (digits 0~9) ,10~62 NONE
DGT LENGTH: 1 (digits 0~9), 10~62 NONE
DEL.LENGTH: 0
INSERT DGT: NONE
IP TABLE 1: 00
IP START: NONE
GK USE: NO

RELATED ITEMS: [MMC 615: MGI GROUP](#)
[MMC 616: MGI USER](#)
[MMC 830: ETHERNET PARAMETERS](#)
[MMC 831: MGI PARAMETERS](#)
[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 714: DID TRANSLATIONS](#)
[MMC 321: CLIP TABLE](#)

MMC: 833

VoIP IP ADDRESS

DESCRIPTION:

This MMC provides the IP addresses in tables pointed to by the VoIP code entry (MMC832). There are 63 tables with up to 16 entries each. The destination IP address is required to route dialed digits based on the access code and digits dialed. The IP entry field is divided into 4 sections allowing modification of separate IP address fields.

- 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

1. Press TRANSFER 833.
Display shows the first table number.
Press UP or DOWN key to select a table OR
press RIGHT soft key to move cursor.
2. Press UP or DOWN key to select a table entry
OR press RIGHT soft key to move cursor.
3. Using the keypad input a 12 digit IP address
OR
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next
MMC entry.

DISPLAY

TB(00) ENTRY (00)
165.213. 97.185

TB(00) ENTRY (00)
165.213. 97.185

TB(00) ENTRY (00)
165.213. 97.185

MMC: 833

DEFAULT DATA: ALL TABLES: TB(00) ENTRY(00) = MMC 830 System IP ADDR
All others = BLANK

RELATED ITEMS: [MMC 615: MGI GROUP](#)
[MMC 616: MGI USER](#)
[MMC 830: ETHERNET PARAMETERS](#)
[MMC 831: MGI PARAMETERS](#)
[MMC 832: VOIP OUTBOUND DIGITS](#)
[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 714: DID TRANSLATIONS](#)
[MMC 321: CLIP TABLE](#)

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 NEGOT:** 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: $\text{base signaling port (10000)} + 128 + 2 * (\# \text{ of Voip ports} - 1) + 1$.
- **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

1. Press TRANSFER 834.
Display shows the first option.
Press UP or DOWN key to select an option
OR
2. Press RIGHT soft key to move cursor.
Press UP or DOWN key to select an entry.
3. Press RIGHT soft key to enter data and move cursor.
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.

DISPLAY

GATEWAY CALL ID
1234

GATEWAY CALL ID
1234

GATEWAY CALL ID
1234

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.

- **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.
- **MAX JITTER:** Decides the maximum time to consider delay for jitter adjustment. The range is 010-300ms.

MMC: 835

- **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

1. Press TRANSFER 835.
Display shows the first option. Press UP or DOWN key to select MGI3 or MGI2
OR
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an parameter.
3. Press RIGHT soft key to enter data and move cursor.

DISPLAY

AUDIO CODEC
G.729A

AUDIO CODEC
G.729A

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.

MG13: 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(MG13)
FAX ECM: ENABLE
MAX FAX CNT: 02
DTMF TYPE: OUTBAND(MG13)
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

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
2. Press UP or DOWN key to select an option
OR press RIGHT soft key to move cursor.
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.
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.

DISPLAY

GK CONNECTION
DISABLE

GK CONNECT
DISABLE

GK CONNECT
DISABLE

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

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.
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.
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.
4. Press UP or DOWN key to select an ITM3 card OR press RIGHT soft key to move cursor.

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.

DISPLAY

GATEWAY CALL ID
1234

CALLER ID TYPE
IP

CALLER ID TYPE
IP

CALLER ID TYPE
GWID

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

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.
2. Press UP or DOWN key to select an option
OR
Press RIGHT soft key to move cursor.
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.
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.

DISPLAY

```
PRIVATE IP      (01)
  0.    0.    0. 0
```

```
PRIVATE IP      (01)
_ 0.    0.    0. 0
```

```
PRIVATE IP      (01)
105. 052. 010.02_
```

```
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](#)
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[MMC 837: SIP OPTIONS](#)

MMC: 840

IP SET INFO

DESCRIPTION:

This MMC provides a means to register the IP keyphones with the OfficeServ 7200 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 7200 system. This entry can be alphanumeric.
- **USER PSWD:** This is the Password the IP keyphone must also have to register with the OfficeServ 7200 system. This entry can be alphanumeric.
- **IP ADDR:** This is the IP address of the IP once registered with the OfficeServ 7200 system. View only.
- **MAC ADDR:** This is MAC address of the IP keyphone once registered with the OfficeServ 7200 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 higher 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

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.
2. Press UP or DOWN key to select an option
OR press RIGHT soft key to move cursor.
3. Input ITP alphanumeric User ID and Press
RIGHT soft key to enter data and
move cursor to the Step 2 position.
4. Press UP or DOWN key to select Password
option and press RIGHT soft key to move
cursor.

Input ITP alphanumeric Password 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.

DISPLAY

(3201) USER ID
3201

(3201) USER ID
3201

(3201) USER ID
3201

(3201) USER PSWD
3201

(3201) USER PSWD
3201

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. 0 LARGE DGP: Large LCD phone 1 LARGE ITP: Large LCD IP-based phone 2 2LINE ITP2: line LCD IP-based phone 3 WIPM APPL: Wireless IP-based mobile phone software. 4 SOFT PC 5 SOFT PDA 6 WIPM BOOT: Wireless IP-based mobile phone boot program. 7 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

MMC: 841

No	Option	Description	Default
4	CTI LINK OPTION	Sets CTI link via LAN option with the system.	-
		0 SMDR REPORT: Sets YES or NO for SMDR data to CTI link via LAN.	NO
		1 UCD REPORT: Sets YES or NO for UCD data to CTI link via LAN.	NO
		2 ALIVE TIME: This is a CTI link via LAN alive check timer. If this sets 0, the system will not check link alive.	300 SEC
5	ITP DSP PARA	Sets IP phone DSP 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 DOWN: Determines data uses system-wide data or each phone data for IP-based phone DSP control. a) SYS DATA: System-wide data will be used.(MMC 841 data) b) PHONE DATA: Each phone data will be used.(MMC 840 data)	SYS DATA
6	ITP TX GAIN/HSET	Sets IP-based phone Handset TX gain value of each level.	-
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

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.
2. Press UP or DOWN key to select an option
OR press RIGHT soft key to move cursor.

DISPLAY

ITP RESIGTRATION
ENABLE /ITP PSWD

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 5012L and 5021D 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

1. Press TRANSFER 844.
Display shows
2. Dial index number (e.g. 121)
OR
Press VOLUME key to select station and
press RIGHT soft key to move cursor.
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.
4. Press TRANSFER key and enter to exit
OR
Press SPEAKER key to advance to next MMC.

DISPLAY

INDEX: 001 [3201]
DESKTOP PHONE

INDEX: 061 [3301]
MOBILE PHONE

INDEX: 061 [3301]
DESKTOP PHONE

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

WLI PARAMETERS

DESCRIPTION:

This program is used to set multiple parameters related to the WLI board inter-working.

The WBS24 wireless BTS can automatically start in order to reflect the changes when modifying parameters. If the system ID or system key is changed, all the previous terminal information is initialized.

<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	1 st DNS IP	IP address of the 1 st Domain Name Server(DNS)
03	2 nd DNS IP	IP address of the 2 nd of Domain Name Server(DNS)
04	2 nd 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 SERV	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

MMC: 845**<WBS Parameter>**

No.	Parameter	Description
0	IP ADDRESS	The IP address for connecting the Ethernet for WBS24 (Mandatory entry item)
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

**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.

MMC: 845

No.	Parameter	Description
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 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	1 st DNS IP	0.0.0.0
3	2 nd DNS IP	0.0.0.0
4	2 nd WBS IP	168.208.144.10
5	CODEC LIST	CODEC 1: G.729A
6	RF CHANNEL	USE CH 1: 01
7	VERSION	-
8	TFTP SERV	0.0.0.0
9	TFTP FILE	WBS00000.TFP
18	WBS TX PWR	DEFAULT
19	CLR WBSREG	NO

MMC: 845**<WBS Option>**

Parameter	Settings
IP ADDRESS	0.0.0.0
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

1. Select the MMC number [845].
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.
3. Enter the parameter number.
Or select a desired item using the

DISPLAY

845: WLAN PARA
SELECT PROG ID

WLAN : SYSTEM ID
WBS24

CWBS01: IP ADDR
0. 0. 0. 0

MMC: 845

[▼Volume▲] button, and press [RIGHT] soft button to move the cursor.

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
```

MMC: 845

• 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

MMC: 845

- Set PROVISIONAL TIME to be used in SIP.

SIP : PROVISIONAL
180000MS

RELATED PROGRAMS:

[MMC 846 WIP INFO](#)
[MMC 847 WLAN RESET](#)
[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

1. Select the MMC number [846].
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.

DISPLAY

[3301] REGISTERED
NO

[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] <u>L</u> OCATED
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:

[MMC847] is used to restart WLI or WBS24.

In addition, [MMC847] is used to initialize WBS24, check slot information assigned to the current WLI, and check the WBS24 connection.

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

WLI REGIST

DESCRIPTION:

[MMC849] is used to enable or disable the registration of the WIP-5000M wireless terminal in WLAN. This MMC is also used to enable or disable WEP which is an encryption method of the WLAN data. If WEP is enabled, set the WEP key, and the key should be composed of 13 characteristics.

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

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: 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

1. Press TRANSFER 850.
Display shows.
2. Press UP or DOWN arrows to scroll through other resources.

To exit press TRANSFER to exit
OR
Press SPEAKER to advance to next MMC.

DISPLAY

```
DTMFR DSP's
USE:000 FREE:004
```

```
CID DSP's
USE:000 FREE:000
```

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

1. Press TRANSFER 851.
Display shows.
2. Enter desired option or press the up and down keys and press the RIGHT soft key to select the desired option.
3. System displays the alarm count number, date and time stamp (uses station, configuration for display format, date, time will be 24 hour format). Alarm type and cause code will display.
4. Press UP or DOWN arrows to scroll through other alarms.
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.

DISPLAY

```
SYS ALARM REPORT  
VIEW ALARMS
```

```
SYS ALARM REPORT  
VIEW ALARMS
```

```
[01] 02/18 14:30  
MNF02 C1-S5
```

```
[02] 02/18 14:36  
MNE05 C1-S05-P16
```

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

1. Press TRANSFER 852.
Display shows.
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.
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.

DISPLAY

```
01:MJA01 ACT:OFF  
POR Restart
```

```
16:MJC05 AC:OFF  
AC Pwr Loss
```

```
16:MJC05 AC:OFF  
AC Pwr Loss
```

MMC: 852

4. Press UP or DOWN to select desired option
OR

16:MJC05 AC:OFF
AC Pwr Loss

Press TRANSFER to return to normal display
OR

press SPEAKER to advance to next MMC.

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™ Manager [OSM] or KPMMC) 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	<i>An abnormal interrupt has occurred in the system DTMF resources.</i>
16	MJC02	Tone Fault	<i>An abnormal interrupt has occurred in the system tone resources. IE busy, ringback, error, no more calls etc.</i>
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.

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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. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
35	MJD04	Red Alarm Rec	PCM carrier detected locally on T1/PRI cards. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
36	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on T1/PRI card. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
37	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on T1/PRI card. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
38	MJD07	Blue Alarm	All one's being transmitted on facility on T1/PRI card. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
39	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
40	MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds 1×10^{-6} errors. Note: 1×10^{-6} is threshold for minor alarm, 1×10^{-3} is threshold for major alarm errors on T1,PRI or BRI.. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
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. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
42	MJD11	SPID Init Err	The BRI received an error from the network <i>Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10),Channel(1 through 16)</i>
43	MJD12	SPID Init Rec	The BRI has recovered from an error on the network <i>Alarm Data = Cabinet, Slot Channel C1,2 (S1 through 10),C (1 through 16)</i>

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ALM NO.	ALM CODE	ALARM	DEFINITION
44	MJD13	LPBK Error	Internal on demand loopback failed. <i>Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 24)</i>
45	MJD14	LPBK Recovery	Internal on demand loopback test passed. <i>Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 24)</i>
46	MJD15	BRI DL Unavail	A BRI data link is out of service. <i>Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 16)</i>
47	MJD16	BRI DL Recovered	A BRI data link is back in service. <i>Alarm Data = Cabinet, Slot Channel (C1,2) (S1 through 10), (C1 through 16)</i>
48	MJD17	RAM Error	An error has occurred in the T1/PRI or BRI card RAM. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
49	MJD18	T1 Restart	The T1 card has restarted <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
50	MJD19	PRI Restart	The PRI card has restarted <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
51	MJD20	BRI Restart	The BRI card has restarted <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
52	MJD21	PCM Loss	Loss of PCM coding on a digital facility. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
53	MJD22	PCM Recovery	Recovery of PCM coding on a digital facility. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
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.
61	MNF33	SVMi Card Request	Alarm Code when SVMi card request the number to MCP after restarting.
	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 <i>Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)</i>
62	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. <i>Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)</i>
63	MNF03	IPC Error	Inter processor communication error has occurred. <i>Alarm Data = Cabinet-Slot (C1,2)-(S 1 through 10)</i>
64	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. <i>Alarm Data = Cabinet-Slot Port (C1,2)-(S1 through 10), (P1 through 16)</i>
65	MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. <i>Alarm Data = Cabinet-Slot Port (C1,2)-(S1 through 10), (P1 through 16)</i>
66	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. <i>Alarm Data = Cabinet, Slot Port (C1,2)-(S1 through 10), (P1 through 16)</i>
67	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. <i>Alarm Data = Cabinet, Slot Port (C1,2)-(S1 through 10), (P1 through 16)</i>
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. <i>Alarm Data = Cabinet,Slot (C1-2,S1 through 10)</i>

MMC: 852

ALM NO.	ALM CODE	ALARM	DEFINITION
72	MNF12	SIO Out	IO port has lost DTR <i>Alarm Data = SIO 1 through 6</i>
73	MNF13	SIO In	IO port has regained DTR. <i>Alarm Data = SIO 1 through 6</i>
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. <i>Alarm Data = Cabinet, Slot (C1,2) (S1 through 10)</i>
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) <i>Alarm Data = Cabinet (1,2)</i>
77	MNF 17	PSU Alarm Rec	A second DPCU has been recognized when added after alarm condition of <i>Alarm Data = Cabinet (1,2)</i>
78	MNF 18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. <i>Alarm Data = Cabinet, Slot Port (C1,2) (S1 through 10) (P1 through 24)</i>
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. <i>Alarm Data = Cabinet, Slot Port (C1,2) (S1 through 10) (P1 through 24)</i>
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

1. Press TRANSFER 853.
Display shows busy functions.
2. Press UP or DOWN to select function and
press RIGHT soft key to move cursor.
3. Enter station number
OR
Press UP or DOWN to select station and
press RIGHT soft key to move cursor.
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.
5. Press UP or DOWN to select another area
OR
6. Press TRANSFER to exit
Press SPEAKER to advance to the next
MMC.

DISPLAY

```
MAINTENCE BUSY  
TRK :NONE ->
```

```
MAINTENCE BUSY  
STN :NONE ->
```

```
MAINTENCE BUSY  
STN :201->IDLE
```

```
MAINTENCE BUSY  
STN :201->BUSY
```

```
MAINTENCE BUSY  
STN :201->BUSY
```

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 7200 Diagnostic Time. The OfficeServ 7200 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.
2. Press RIGHT soft key to move cursor.
3. Enter military time hour via the dial pad.
Cursor will advance to next entry.
4. Enter military time minutes via the dial pad.
Cursor will advance to Step 1.
5. Press UP or DOWN key to make selection.
Press RIGHT soft key to make change and return to step 2
OR

DIAGNOSTIC TIME
SUN: :

DIAGNOSTIC TIME
SUN: _ :

DIAGNOSTIC TIME
SUN: 23 :

DIAGNOSTIC TIME
SUN: 23 : 30

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 available 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

1. Press TRANSFER 855.
Display shows.
2. Press UP or DOWN key to view options.
3. Press UP or DOWN key to view options
OR
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

SYSTEM OPTIONS
MCP D-BD1: ESM

SYSTEM OPTIONS
MCP D-BD2: NONE

SYSTEM OPTIONS
MCP D-BD3: NONE

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™ Manager (OSM) 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: 858

EMERGENCY ASSIGN

DESCRIPTION:

This MMC defines which alarms will be reported via RM&A.

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 858.
Display shows.
2. Press RIGHT soft key to move cursor.
Press UP or DOWN key to change status. Press RIGHT soft key to make change and return to step 1
OR
3. Press UP or DOWN to select desired option then follow instructions in step 2.
4. Press TRANSFER to store and EXIT
OR
Press SPEAKER to advance to next MMC.

DISPLAY

```
01:MJA01 ACT:OFF  
POR Restart
```

```
01:MJA01 ACT:ON  
POR Restart
```

```
09:MJA02 ACT:OFF  
Memory Alarm 1
```

DEFAULT DATA: ALL OFF

RELATED ITEMS [MMC 830 ETHERNET PARAMETERS](#)

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

H/W	EPLD	VERSION
<u>MCP</u>	CARD	:V01

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 | <p>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.</p> <p>Note: Personal speed dial number changes from 2 digits to 3 digits when 950 is selected.</p> |
| 2 | IDLE WHEN ENBLOCK | <p>When this option is enabled the ITP-5021D 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.</p> <p>Note: This option has no effect if #3 below is disabled.</p> |
| 3 | 2 LINE ENBLOCK | When this option is enabled the ITP-5021D keyset can dial a telephone then press the SEND button to place the call. This operates like a cell phone. When disabled the ITP-5021D 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

1. Press TRANSFER 861.
Display shows.
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.
4. Press TRANSFER to store and exit
OR
Press SPEAKER to store and advance to next MMC.

DISPLAY

AUTO UPDATE TIME
DISABLE

SYSTEM SPEED BIN
MAX 500

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: 863

NODE INFORMATION

DESCRIPTION:

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.
2. Press UP or DOWN key to select an option
OR press RIGHT soft key to move cursor.
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.
4. Press UP or DOWN key to select an option
OR press RIGHT soft key to move
cursor.

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.

DISPLAY

ITP RESIGTRATION
ENABLE /ITP PSWD

ITP REGIST PSWD
4321

ITP REGIST PSWD
8228

ITP REGIST PSWD
8228

EASYSET PASSWORD
1234

MMC: 863

DEFAULT DATA: PHONE VERSION: 0000 for all types
 PHONE TFTP IP: 0.0.0.0
 ITP REGISTRATION: ENABLE /SYS PSWD
 ITP REGIST PSWD: 1234
 EASYSET ALIVE TM: 000 sec
 EASYSET PASSWORD: 1234
 SMDR TO CTI LINK: DISABLE
 UCD TO CTI LINK: DISABLE

RELATED ITEMS: [MMC 615: MGI GROUP](#)
 [MMC 616: MGI USER](#)
 [MMC 830: ETHERNET PARAMETERS](#)

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

1. Press TRANSFER 890.
Display shows.
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.
3. Select [0] to initialize the call process part
OR
[1] to initialize DB.
4. Press [1] to initialize, or [0] to cancel.
5. Press TRANSFER to exit the program
OR
Press SPEAKER to move on to the next
program.

DISPLAY

[201] CALL CLEAR
ARE YOU SURE?NO

[202] CALL CLEAR
ARE YOU SURE?NO

[202] DB INITIAL
ARE YOU SURE?NO

[202] DB INITIAL
ARE YOU SURE?YES

DEFAULT DATA: NONE

RELATED ITEMS NONE