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PROGRAMMING SECTION

PART 1. INTRODUCTION TO PROGRAMMING

1.1 PROGRAMMING OVERVIEW

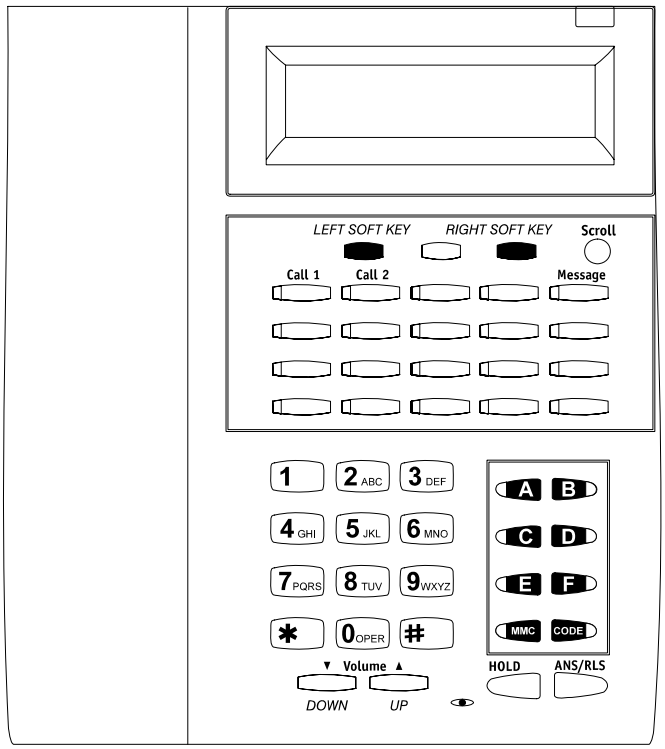
The OfficeServ 100 system arrives from the factory with default data. Connect it to trunks, stations and power, turn the system on and it is fully operational. The only thing left to do is customize the data to fit the customer's needs. This is called programming the system.

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

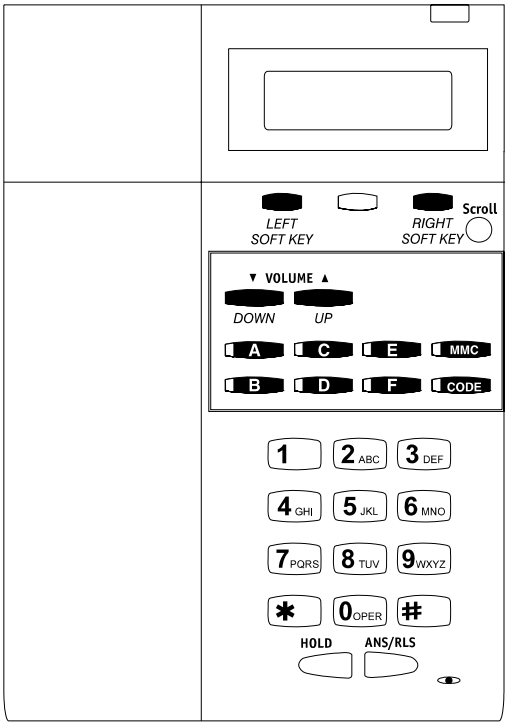
System programming may be done from any two line display keyset. The first thing you must do is open system programming. As a security measure, a passcode must be known to do this.

- **iDCS KEYSETS**

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

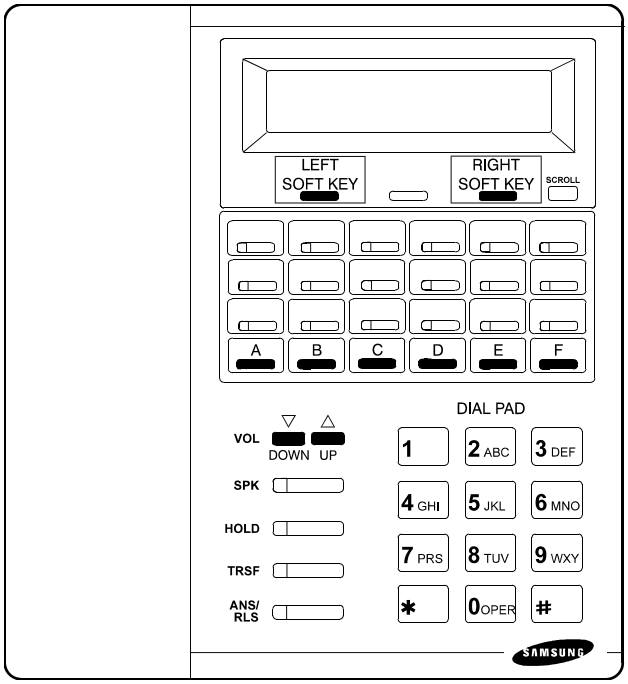


This diagram illustrates the keys on a **iDCS 8 BUTTON keyset** that have special functions during programming. When required, these keys will be referred to by the names described in the diagram.



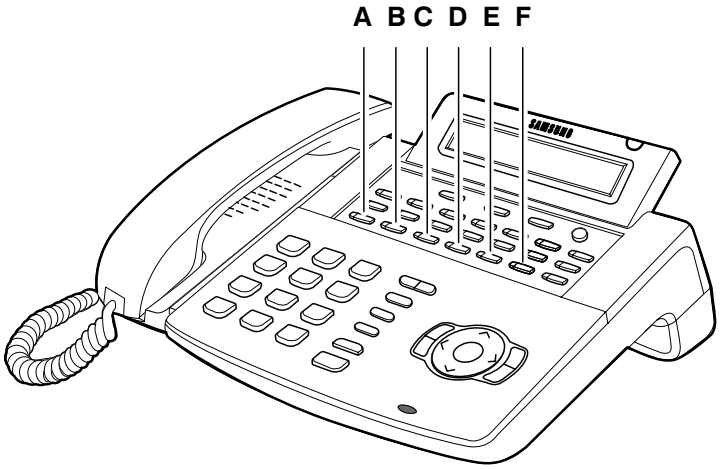
• DCS KEYSETS

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



• ITP-5121D and DS 5000 Series KEYSETS

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



1.2 PROGRAMMING LEVELS

There are three levels of programming: SYSTEM, CUSTOMER and STATION. System and customer levels are under passcode protection while station programming does not require a passcode. To prevent conflicting data from being entered, only one person at a time can enter programming with the technician or customer passcode. While programming is in progress, normal system operation is not affected. For your convenience, the system displays [xxx IN PGM MODE] when another keyset is in the program mode.

A. System level

This level is entered via MMC 800 and requires the technician level passcode. It allows access to all system programs, station programs and maintenance programs. **NOTE: On a defaulted OfficeServ 100 system, after entering the technician password, select the country (i.e. USA), and save setting. System will restart.**

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, power off system and keep MCP/Battery switch in OFF position for at least 30 seconds, then turn it back to ON postion and power ON system. This will ensure that you begin with clean default data.

Now begin entering customer data.

1.3 PROGRAM LIST IN NUMERICAL ORDER

1.4 PROGRAM LIST IN ALPHABETICAL ORDER

1.5 MMC'S ASSOCIATED BY CATEGORY

KEYSET USER OPTIONS

SYSTEM LEVEL PROGRAMS

STATION LEVEL PROGRAMS

TRUNK LEVEL PROGRAMS

TIMER OPTIONS

GROUP / BLOCK / ZONE PROGRAMMING

SYSTEM TABLES

AUTO ATTENDANT / UCD PROGRAMMING

TECHNICIAN ONLY PROGRAMS

NETWORKING

VOIP

WIRELESS

LCR PROGRAMS

SVM

PART 2. PROGRAM PROCEDURES

2.1 OVERVIEW

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

HELPFUL HINT:

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

1. Dial another MMC code directly and continue programming.

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

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

MMC: 100 STATION LOCK

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 100

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

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

DEFAULT DATA: ALL STATIONS UNLOCKED

RELATED ITEMS: STATION USER PROGRAMMING

MMC: 101 CHANGE USER PASSCODE

DESCRIPTION:

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

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

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

PROGRAM KEYS

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

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

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

RELATED ITEMS: MMC 100 STATION LOCK

MMC: 102 CALL FORWARD

DESCRIPTION:

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

The OfficeServ 100 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` `CURENTLY SET :YES`
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 102

DEFAULT DATA: **NONE**

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

MMC: 103 SET ANSWER MODE

DESCRIPTION:

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

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

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 103 Display shows	`[201] ANS MODE` `RING MODE`
2. Dial keyset number (e.g., 205) OR Press UP or DOWN to select keyset and press RIGHT soft key to move cursor	`[205] ANS MODE` `RING MODE`
OR Press ANS/RLS to select All.	`[ALL] ANS MODE` `?`

MMC: 103

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

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

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

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

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

MMC: 104 STATION NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

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

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 **DISPLAY**

1. Press TRANSFER 106
   Display shows

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

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

```
[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 (01–20)
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)
SG	Station Group (500–549)
SP	UCD Supervisor (UCD group number)
SPD	Speed Dial (00–49, 500–999)
VM	Voice Mail Memo (extension or station group #)
VT	Voice Transfer (VM Station Group Number)
PMSG	Programmed Station Text Messaging (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

MMC: 107

ACTION	DISPLAY
1. Press TRANSFER 107 Display shows first station	`[201] EXT:KTS` `01:CALL1`
2. Dial station number (e.g., 205) OR Use UP or DOWN to scroll through station numbers and press RIGHT soft key to move the cursor.	`[205] EXT:KTS` `01:CALL1`

3. Press the RIGHT soft key to program the keyset
OR
Use UP and DOWN to scroll through the keyset and AOM's and use the right soft key to move the cursor.
	`[201] EXT:KTS`
	`01:CALL1`
	`[201] EXT:AOM1`
	`01:DS`

4. Enter key number (e.g., 18)
OR
Use UP and DOWN to scroll through keys and use RIGHT soft key to move the cursor
OR
Press the key to be programmed
Dial extender according to above table.
System will return to this step
If no more entries, press LEFT soft key to return to step 2.
	`[205] EXT:KTS`
	`18:DS`
	`[205] EXT:KTS`
	`18:DS 207`

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

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 NO	Base 1~16, Slot (1~7)/Port (1~16)
1	TYPE	Device Type (Keyset/Softphone)
2	PICKUP GROUP	None, 01~20
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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 108
   Display shows first station

```
[201] STN STATUS
PORT NO: BASE 01
```

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

```
[205] STN STATUS
PORT NO : BASE 05
```

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

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

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

MMC: 108

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

RELATED ITEMS:

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

MMC: 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 APRIL as MAR
1 = LOWER CASE	Displays Friday as Fri and APRIL as Mar

PROGRAM KEYS

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

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

MMC: 109

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

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

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

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

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

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

MMC: 110 STATION ON/OFF

DESCRIPTION:

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

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

MMC: 110

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

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 110
   Display shows

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

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

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

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

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

MMC: 110

OR

Dial 1 for ON or 0 for OFF.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5. Press TRANSFER to store and exit.

DEFAULT DATA:

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

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

MMC: 111 KEYSET RING TONE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 111 Display shows	`[201] RING TONE` `SELECTION 5`

2. Dial keyset number (e.g., 205)
OR
Press UP or DOWN to select station and press RIGHT soft key to move cursor
OR
Press ANS/RLS to select ALL.
	`[205] RING TONE`
	`SELECTION 5`
	
	`[ALL] RING TONE`
	`SELECTION ?`

3. Dial 1~8 to select ring tone OR Press UP or DOWN to select ring tone and press RIGHT soft key to move cursor.	`[205] RING TONE` `SELECTION 5`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **FREQUENCY 5**

RELATED ITEMS: MMC 114 KEYSET VOLUME

MMC: 112 ALARM CLOCK

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 112
   Display shows

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

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

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

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

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

MMC: 112

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

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

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

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

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

DEFAULT DATA: ALARMS ARE NOTSET

RELATED ITEMS: NONE

MMC: 114 STATION VOLUME

DESCRIPTION:

Allows the station user or system administrator to set the ring volume, off hook ring volume, handset receive volume, speaker volume, background music volume and page volume for any or all keysets.

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

PROGRAM KEYS

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

MMC: 114

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

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

RELATED ITEMS: MMC 111 KEYSET RING TONE

MMC: 115 SET PROGRAMMED MESSAGE

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 115

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

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

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

MMC: 116 ALARM REMINDER

DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any digital station, MMC 112 must be used for analog stations. 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 **DISPLAY**

1. Press TRANSFER 116
   Display shows

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

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

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

   OR
   Press ANS/RLS to select all stations.

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

MMC: 116

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

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

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

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

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

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

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

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

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

DEFAULT DATA: ALARMS ARE NOTSET

RELATED ITEMS: NONE

MMC: 117 TEXT MESSAGE

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 117
   Display shows

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

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

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

MMC: 117

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

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

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

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

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

DEFAULT DATA: **BLANK MESSAGE**

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

MMC: 118 CONFERENCE GROUP

DESCRIPTION:

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

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

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

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

- **ITP KEYSETS**

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

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

MMC: 118

PROGRAM KEYS

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

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

MMC: 118

7. Arrow down to the next member.

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

8. Press RIGHT soft key to enter member.

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

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

DEFAULT DATA: **NONE**

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

NOTES:

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

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

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

MMC: 119

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

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

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

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

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

DEFAULT DATA: **NUMBER FIRST**

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

MMC: 120 LARGE LCD OPTION

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 120

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

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

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

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

MMC: 121 ASSIGN STATION LANGUAGE

DESCRIPTION:

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

Available languages are:

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

PROGRAM KEYS

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

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

MMC: 121

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

```
[205]  LANGUAGE
ENGLISH
```

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

```
[205]  LANGUAGE
SPANISH
```

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

DEFAULT DATA: ALL STATIONS ENGLISH

RELATED ITEMS: NONE

MMC: 122 SPOT INFO SPD

Reserved for Future Use

MMC: 125 EXECUTIVE PRESENT STATE

DESCRIPTION:

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

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

NOTE: You must assign boss/secretary stations in 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 answers 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

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

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

- **iDCS, DS and ITP KEYSETS**

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

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

PROGRAM KEYS

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

ACTION

1. Press TRANSFER 125

DISPLAY

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

MMC: 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.

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

3. Press [0]~[3] to select the desired sub menu
   OR
   Press VOLUME to select the desired sub menu and press the RIGHT soft button to move the cursor.

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

4. Select the desired executive state from [0]~[9]
   OR
   Press VOLUME to select the desired executive state and press the RIGHT soft button to move the cursor.

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

5. If there is more information to show, enter the contents in STATE (IN) and STATE (OUT) and press the RIGHT soft button to move the cursor.

```
[205] STATE (IN)
WEEKLY MEETING
```

6. If the executive's answer mode needs changed, set the desired answer mode at ANS MODE.

```
[205] ANS MODE
AUTO ANSWER MODE
```

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 303: BOSS/SECRETARY

MMC: 200 OPEN CUSTOMER PROGRAMMING

DESCRIPTION:

Used to open (enable) and close (disable) customer-level programming. If programming is not opened and an attempt is made to access a system MMC, the error message [NOT PERMIT] will be displayed. A four digit passcode is required to access this MMC. Each digit can be 0-9. When opened, this MMC enables access to all MMCs allowed in MMC 802 Customer Access MMC Number.

PROGRAM KEYS

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

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

MMC: 200

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

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

5. Press TRANSFER key to exit.

DEFAULT DATA: **DISABLE**

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

MMC: 201 CHANGE CUSTOMER PASSCODE

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 201 Display shows	`CUST. PASSCODE` `NEW CODE:_`
2. Enter new passcode via dial keypad (maximum four digits).	`CUST. PASSCODE` `NEW CODE: ****`
3. Verify new passcode via dial keypad.	`CUST. PASSCODE` `VERIFY : ****`

Passcode verified (go to step 4)
OR
Passcode failure.
Return to step 2.
	`CUST. PASSCODE`
	`VERIFY :SUCCESS`
	
	`CUST. PASSCODE`
	`VERIFY :FAILURE`

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

DEFAULT DATA: **PASSCODE = 1234**

RELATED ITEMS: MMC 200 OPEN CUSTOMER PROGRAMMING

MMC: 202 CHANGE FEATURE PASSCODE

DESCRIPTION:

Used to change the passcodes for the following features: RING PLAN, DISA ALARM, ALARM CLR, AA RECORD, DELETE, and WLAN 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	This is the passcode required to record prompts for use with the AA ports on the Auto Attendant (DAAUP) card.
4	DELETE	This is the passcode required to use the delete key in Hotel Mode.
5	WLAN REGIST	This is the passcode to allow mobile stations to register to the WLI card.

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

PROGRAM KEYS

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

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

MMC: 202

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

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

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
AA RECORD :9999
```

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**
AA RECORD	**4321**
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	DISPLAY
1. Press TRANSFER 203 Display shows current assignment	`ASSIGN UA PORT` `NONE-NO UA`
2. Dial DN of UA device (e.g., 205) OR Use UP and DOWN keys to scroll through available devices.	`ASSIGN UA PORT` `205 -STATION`
3. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

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

MMC: 204 COMMON BELL CONTROL

DESCRIPTION:

Determines whether the common bell relay contacts have 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, all common bell relay pairs are assigned as 363~365.

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	`[363] COM BELL CONTINUOUS`
2. Dial common bell number OR Press UP or DOWN key to make selection of common bell numbers and press RIGHT soft key to advance cursor.	`[363] COM BELL CONTINUOUS`
3. Dial 0 for continuous or 1 for interrupted operation OR Use UP or DOWN to scroll through options Press RIGHT soft key to return to step 2.	`[363] COM BELL INTERRUPTED`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **CONTINUOUS**

RELATED ITEMS: MMC 203 ASSIGN UA DEVICE
MMC 218: RELAY TYPE
MMC 601 ASSIGN STATION GROUP
MMC 724: MISC NUM PLAN

MMC: 205 ASSIGN LOUD BELL

DESCRIPTION:

Designates the station that controls the loud bell ring output of a SMISC3 or SMISC4 board.

The loud bell will follow the ring cadence of the designated station. Only a station can be assigned to control the loud bell. A station group cannot be assigned.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 205 Display shows current setting	**[364] LOUD BELL** **RING PAIR : NONE**
2. Dial loud bell number (e.g., 3995) OR Use UP or DOWN to scroll through loud bell numbers and press RIGHT soft key to move the cursor.	**[364] LOUD BELL** **RING PAIR : NONE**
3. Enter station number (e.g., 201) OR Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.	**[364] LOUD BELL** **RING PAIR :201**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: UNASSIGNED

RELATED ITEMS: MMC 218 RELAY TYPE
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

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

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

   ```
   BARGE IN TYPE
   WITHOUT TONE
   ```

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

DEFAULT DATA: **NO BARGE-IN**

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

MMC: 207 ASSIGN VM/AA PORT

DESCRIPTION:

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

NOTE: This MMC is not used to assign voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the OfficeServ 100 detects a voice mail card.

PROGRAM KEYS

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

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

MMC: 207

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

DEFAULT DATA: NORMAL PORT

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

MMC: 208 ASSIGN RING TYPE

DESCRIPTION:

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

0 ICM RING
1 CO RING
2 DATA RING

PROGRAM KEYS

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

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

MMC: 208

DEFAULT DATA: ICM RING

RELATED ITEMS: NONE

MMC: 209 ASSIGN ADD-ON MODULE

DESCRIPTION:

Designates to which keyset a DCS 32 button Add-On Module (AOM) or 64 button module is assigned to and determines if an off-hook voice announce (OHVA) will be received via a DCS 32 button AOM (AOM only). OHVAED:YES allows off-hook voice announce to an AOM. The maximum number of DCS 32 Button AOMs and or 64 button add-on modules that can be assigned to a keyset is 2.

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 209 Display shows first AOM	**[301] AOM MASTER** **MASTER:NONE**
2. Dial AOM number OR Use UP or DOWN to scroll through AOM numbers and use soft keys to move cursor.	**[301] AOM MASTER** **MASTER:NONE**
3a. Enter station number, e.g., 301 OR Use UP or DOWN for selection of stations OR Dial the number using the dial pad.	**[301] AOM MASTER** **MASTER:201**
3b. Enter 1 for OHVAED: ON or 0 for OFF OR Use UP or DOWN to scroll through ON/OFF options. Press RIGHT soft key to return to step 2.	**[301] AOM MASTER** **OHVAED:ON**

MMC: 209

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

DEFAULT DATA: NONE FOR MASTER
OFF FOR OHVAED

RELATED ITEMS: NONE

MMC: 210 CUSTOMER ON/OFF PER TENANT

DESCRIPTION:

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

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

MMC: 210

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

MMC: 210

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

MMC: 210

	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 MCP2 card. When set to ON, the distant MCP2 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	DISPLAY
1. Press TRANFER 210 Display shows	**TEN. ON AND OFF** **DISA PSWD :OFF**
2. Dial option number (e.g. 0) Press RIGHT soft key to move cursor.	**TEN. ON AND OFF** **DISA PSWD :OFF**
3. Dial 1 for ON or 0 for OFF OR	**TEN. ON AND OFF** **DISA PSWD :ON**

MMC: 210

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

4. Repeat steps 2-3 for other options
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

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

MMC: 211 DOOR RING ASSIGNMENT

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 211

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

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

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

DEFAULT DATA: STATION GROUP 500

RELATED ITEMS: NONE

MMC: 212 ALARM RINGING STATION

DESCRIPTION:

Used to determine which station group will be alerted when an alarm sensor is activated.

The alerting devices will ring like a door phone and follow the door ring time-out. When ringing, display keysets will show the display assigned in MMC 213 Alarm Message. The bottom line of the keyset display will give an option to clear the alarm. Ringing initiated by an alarm sensor is answered by going off-hook and on-hook again at a ringing keyset. If a device such as Ring Over Page or a common bell is the only device assigned to ring, it may be answered by assigning a direct pickup key with this device as the extender. If the alarm is unanswered by the door ring time-out, ringing will cease but the display will remain until cleared by dialing the alarm clear feature code (57) and passcode (default 8765).

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 212 Display shows.	`[3998] ALARM RING` `1:500 2:500`
2. Enter valid destination number for ring plan (eg. 217) OR Press VOLUME button to make selection and press RIGHT soft button to advance cursor.	`[3998] ALARM RING` `1:217 2:500`

MMC: 212

3. Enter valid destination number for another ring plan (e.g. 249)
   OR
   Press VOLUME button to make selection.

```
[3998] ALARM RING
1:217     2:249
```

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

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

RELATED ITEMS: **MMC 213 ALARM MESSAGE**
MMC 507 ASSIGN RING PLAN TIME

MMC: 213 ALARM MESSAGE

DESCRIPTION:

Allows the assignment of a name to an alarm sensor.

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: 213

• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 213.
   Display shows.

   [3998] ALARM NAME

2. Enter the alarm message using the procedure described above.

   [3998] NAME
   FIRE!

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 212 ALARM RINGING STATION

MMC: 214 DISA ALARM RINGING STATION

DESCRIPTION:

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

PROGRAM KEYS

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

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

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

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

MMC: 217 STATION PAIR

DESCRIPTION:

Assigns a secondary station to a keyset. This secondary station can be a keyset. a single line port or an AOM or ITP phones. 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: 218 RELAY TYPE

DESCRIPTION:

This MMC defines the uses of the relays on the MISC card. These relays may be defined as EXTERNAL PAGE, COMMON BELL, LOUD BELL or NOT USED.

NO.	RELAY TYPE	DESCRIPTION
0	EXTERNAL PAGE	This relay type will operate when assigned to an external page zone in MMC 605.
1	COMMON BELL	This relay type can be assigned as a member of a station group in MMC 601.
2	LOUD BELL	This relay type can be assigned to operate in conjunction with a ringing station in MMC 205.
3	NOT USED	Relays programmed as NOT USED have no defined function.

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 218. Display shows first relay.	**[363] RELAY TYPE EXTERNAL PAGE**
2. Dial relay number OR Press UP or DOWN to scroll through relay numbers and use soft key to move cursor.	**[364] RELAY TYPE EXTERNAL PAGE**
3. Dial relay type (e.g. 2) OR Press UP or DOWN to scroll through relay numbers and use soft key to move cursor.	**[364] RELAY TYPE LOUD BELL**

MMC: 218

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 204 COMMON BELL
MMC 205 LOUD BELL
MMC 601 STATION GROUP

MMC: 219 TRAFFIC REPORT PRINTOUT

DESCRIPTION:

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

When MANUAL PRINTOUT is selected, the options are:

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

When AUTO PRINT OPTN is selected, the options are:

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

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

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

PROGRAM KEYS

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

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

MMC: 219

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

```
TRAFFIC REPORT
AUTO PRINT OPTN
```

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

```
TRAFFIC REPORT
AUTO PRINT OFF
```

```
TRAFFIC REPORT
THREE TIME SHIFT
```

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

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

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

DEFAULT DATA: **NO REPORT**

RELATED ITEMS: MMC 804 SYSTEM I/0

MMC: 223 ISDN SERVICE TYPE

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 223

DEFAULT DATA: VOICE

RELATED ITEMS: NONE

MMC: 224 WAKE-UP AA

DESCRIPTION:

This MMC allows an AA message to be played when the wake up call feature is utilized. When the station rings, at the designated time and the guest answers, a message will play to the guest. The main concept for this feature is to utilize one of the 48 end user recordable greetings. However, any of the 64 available AA messages may be used.

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.

It is recommended that the wake up AA recording be the last of the custom recordings in the list. This limits the amount of re-recording necessary, should the end user wishes to change the wake up announcement.

This MMC has three options:

Option	Description
AA GROUP	Determines which AA group will be connected when a Wake Up call is answered. This destination can be any AA groups.
MESSAGE NO	Determines which message will be played when a Wake Up call is answered. This destination can be a custom recorded message (1-48) or one of the pre-programmed messages (49-64).
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.

MMC: 224

PROGRAM KEYS

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

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

MMC: 224

DEFAULT DATA:

AA GROUP	NONE
MESSAGE NO.	NONE
GROUP BUSY	NONE

RELATED ITEMS:

MMC 207 ASSIGN VM/AA PORT
MMC 726 VM AA OPTIONS
MMC 731 AA RAM CLEAR
MMC 732 AA TRANSLATION TABLE
MMC 733 AA PLAN PROGRAMMING
MMC 734 AA MESSAGE MATCH
MMC 735 AA USE TABLE
MMC 736 ASSIGN AA MOH
MMC 737 AA GAIN

MMC: 300 CUSTOMER ON/OFF PER STATION

DESCRIPTION:

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

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

MMC: 300

CID TO SLT	System provides Caller ID to Single Line Telephone. OfficeServ 100 requires a MISC3 or MISC4.
NO RCL FLASH	If ON and a Single Line Telephone hook flashed 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 for 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	**[201] CUS.ON/OFF** **ACCESS DIAL :ON**
2. Dial station number (e.g., 205) OR Press UP or DOWN to select station OR Press ANS/RLS for all and press RIGHT soft key to move cursor.	**[205] CUS.ON/OFF** **ACCESS DIAL :ON** **[ALL] CUS.ON/OFF** **ACCESS DIAL :ON**
3. Press UP or DOWN to select feature and press RIGHT soft key to move cursor.	**[ALL] CUS.ON/OFF** **ACCESS DIAL :ON**
4. Dial 1 for ON or 0 for OFF OR Press UP or DOWN to select and press RIGHT soft key.	**[ALL] CUS.ON/OFF** **ACCESS DIAL :OFF**

MMC: 300

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

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

RELATED ITEMS: **LCR PROGRAMMING**
MMC 710 LCR DIGIT TABLE
MMC 711 LCR TIME TABLE
MMC 712 LCR ROUTE TABLE
MMC 713 LCR MODIFY DIGIT TABLE

MMC: 301 ASSIGN STATION COS

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 301 Display shows first station	[201] STN COS 1:01 2:01 3:01
2. Dial station number (e.g., 205) OR Use UP and DOWN to scroll through stations Press RIGHT soft key to advance to step 3	[205] STN COS 1:01 2:01 3:01
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.	[ALL] STN COS 1:01 2:01 3:01
3. Enter new ring plan selection via dial keypad	[205] STN COS 1:01 2:01 3:01
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

MMC: 301

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

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

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

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

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

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

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

MMC: 302 PICKUP GROUPS

DESCRIPTION:

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

PROGRAM KEYS

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

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

MMC 302

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

DEFAULT DATA: **NO PICKUP GROUPS ASSIGNED**

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

MMC: 303 ASSIGN EXECUTIVE/SECRETARY

DESCRIPTION:

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

NOTE: A station designated as BOSS may not be assigned as a secretary of another BOSS.

PROGRAM KEYS

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

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

MMC: 303

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 722 STATION KEY PROGRAMMING

MMC: 304 STATION/TRUNK USE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 304 Display shows	**[001] USE [101]** **DIAL:YES ANS:YES**
2. Dial the station use group number (e.g., 005) OR Press UP or DOWN key to select station use group and press RIGHT soft key.	**[005] USE [101]** **DIAL:YES ANS:YES**
3. Dial the trunk use group number (e.g., 101) OR Press UP or DOWN key to select trunk and press RIGHT soft key.	**[005] USE [101]** **DIAL:YES ANS:YES**
4. Press UP or DOWN key to select YES/NO option OR Dial 1 for YES or 0 for NO and press RIGHT soft key to move cursor to ANS option.	**[005] USE [101]** **DIAL:NO ANS:YES**

MMC: 304

Press UP or DOWN key to select YES/NO Option

OR

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

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

5. Press TRANSFER to store and exit

   OR

   Press SPK to store and advance to next MMC.

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

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

MMC: 305 ASSIGN FORCED CODE

DESCRIPTION:

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

PROGRAM KEYS

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

FEATURE KEYS

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

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

MMC: 305

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

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

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

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 707 AUTHORIZATION CODE
MMC 708 ACCOUNT CODE

MMC: 306 HOT LINE

DESCRIPTION:

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

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
B	Used to insert a flash code “F”
C	Used to insert a pause code “P”
D	Used to insert a pulse/tone conversion code “C”
E	Used to mask/unmask following digits—shows as “[” or “]”
F	Used to enter name for speed dial bin (see MMC 106)

ACTION	DISPLAY
1. Press TRANSFER 306 Display shows	**[201] HOT LINE**
2. Dial station number OR Use UP or DOWN to scroll through stations Press RIGHT soft key to move the cursor.	**[205] HOT LINE** _
3. Enter the hot line destination ie a station or trunk ID (e.g., 9 or 701) with a maximum of 24 outgoing digits after the access code for the CO call (see above list of options if needed). Bottom row of program keys are options B–E.	**[205] HOT LINE** **9-1305P4264100_**

MMC: 306

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

DEFAULT DATA: NONE

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

MMC: 308 ASSIGN BACKGROUND MUSIC SOURCE

DESCRIPTION:

Assigns a background music sources to phones. There are two possible music selections depending on the MISC card. One music source is provided on the base board (switch select internal/external). The other external source is provided on the SMISC3 or SMISC4 card. The default directory number of a background music source is 371-372.

CONDITIONS:

- You may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the BGM source will be the message defined in MMC 736 from the port defined in this MMC (SMISC 4 card required for AA).
- For example, if this MMC selects 201's music source as 3954 (the last port on the seconds AA card) and MMC 736 selects Message 20 for the second AA card, when extension 201 is placed on hold, 201 will hear message 20 from the second installed AA card.
- If you have an SVMi Voice Mail System installed you may also select an SVMi recording as a music. The recording must already been defined in MMC 748 and will show up here as the SVMi port assigned with the recording.
- To use an external sound source, connect the corresponding port of the terminal box to the external sound source of the MISC card. If NONE is set for background music or if a sound source is not connected to the external sound source port designed as the background music source, music will not be played even if the background music function is enabled.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 308 Display shows current setting	[201] BGM SOURCE BGM SOURCE:NONE

MMC: 308

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] BGM SOURCE
BGM SOURCE:NONE
```

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

3. Enter source number (e.g., 371)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.

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

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

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 309 ASSIGN STATION MUSIC ON HOLD
MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE
MMC 736 ASSIGN AA MOH
MMC 748 ASSIGN VMMOH

MMC: 309 ASSIGN STATION MUSIC ON HOLD

DESCRIPTION:

Assigns a Music On Hold source to the phones. Any BGM source may be selected.

CONDITIONS

- In addition to TONE or a music source from Base Board and the SMISC 3/4 card, you may also select an AA port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the Music on Hold will be the message defined in MMC 736 from the port defined in this MMC. For example, if this MMC selects 201 music source as 3954 (the last port on the second AA card) and MMC 736 selects Message 20 for the second AA card, when extension 201 is placed on hold, 201 will hear Message 20 from the second installed AA card. (SMISC4 is required for AA feature).
- If you have an SVMi Voice Mail System installed you may also select an SVMi recording as a music. The recording must already been defined in MMC 748 and will show up here as the SVMi port assigned with the recording.
- To use an external sound source, connect the corresponding port of the terminal box to the external sound source of the SMISC 3/4 card.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 309 Display shows current setting	**[201] STN MOH** **MOH SOURCE:NONE**
2. Dial keyset number (e.g., 205) OR Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor OR	**[205] STN MOH** **MOH SOURCE:NONE**

MMC: 309

Press ANS/RLS to select all stations.

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

3. Enter source number (e.g., 372)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2.

```
[205] STN MOH
MOH SOURCE:372
```

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 736 ASSIGN AA MOH
MMC 748 ASSIGN VM MOH

MMC: 310 LCR CLASS OF SERVICE

DESCRIPTION:

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

PROGRAM KEYS

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

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

MMC: 310

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

RELATED ITEMS: **LCR PROGRAMMING**

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

MMC: 312 ALLOW CID / ANI

DESCRIPTION:

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

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

NOTE: Requires optional hardware and/or software.

PROGRAM KEYS

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

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

MMC: 312

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

DEFAULT DATA: **CID / ANI ALLOWED**

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

MMC: 313 COPY STATION/TRUNK USE

DESCRIPTION:

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

PROGRAM KEYS

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

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

DEFAULT DATA: **NONE**

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

MMC: 314 STATION/STATION USE

DESCRIPTION:

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

PROGRAM KEYS

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

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

MMC: 314

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

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

MMC: 315 CUSTOMER SET RELOCATION

DESCRIPTION:

Customer Set Relocation allows System Administration level or Technician level access to relocate or exchange similar stations in the OfficeServ 100 without wiring changes (see Allow Table bellow). This program is a one for one exchange with like stations. All individual station assignments such as trunk ring, station group, station COS, station speed dial, button appearances, etc. will follow the Customer Set Relocation program. iDCS 18 button keysets and iDCS 28 button keysets can be exchanged. Add On Modules and 64 button modules can also be exchanged. If incompatible set types are selected the system will provide an ERROR: NO MATCH message. If AOM or 64 button module units are to be exchanged the Master assignment must be removed prior to using Customer Set relocation. If the AOM or 64 button module Master station is not removed the error code ERROR: NOT ALONE will appear on the LCD display. A station must be in the idle state (on hook) to perform Customer Set Relocation. If a wired location has a station port connected but no telephone instrument the Customer Set Relocation program will allow set relocation as long as the station types are similar.

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

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

MMC: 315

CUSTOMER SET RELOCATION ALLOW TABLE

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

PROGRAM KEYS

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

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

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
5. Press SPEAKER to advance to next MMC.

```
SET RELOCATION
EXT _  EXT
```

DEFAULT DATA: **NONE**

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

MMC: 316 PRESET FWD NO ANSWER

DESCRIPTION:

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

Notes: This destination must be internal to the system. External numbers cannot be programmed.

You must set PRE FWD BUSY to ON in MMC 210 for this feature to work.

PROGRAM KEYS

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

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

MMC: 316

DEFAULT DATA: **NONE**

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

MMC: 317 TIME/COST DISPLAY OPTION

DESCRIPTION:

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

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

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

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

EXAMPLES OF KETSET DISPLAY

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

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

PROGRAM KEYS

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

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

MMC: 317

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

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

3. Press UP or DOWN to select display type.

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

4. Press TRANSFER to store and exit.

DEFAULT DATA: **ALL STATIONS TIME**

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

MMC: 320 SET BRANCH GROUP

DESCRIPTION:

This program allows the technician to program branch group for each station. Each station can be in only one branch group. Branch groups enable the user to pick up the incoming call of another station in the same branch group just by lifting the handset. There are a maximum of 20 branch groups.

PROGRAM KEYS

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

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

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

3. Enter the branch group number ([01]-[20]) OR Press VOLUME to select pick-up group number, and press the RIGHT soft button to repeat this procedure from step 2.	`[205] BRANCH GRP` `BRANCH GRP:10`
4. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: BRANCH GRP: NONE

RELATED ITEMS: NONE

MMC: 321 SEND CLI NUMBER

DESCRIPTION:

Allows a ten digit number to be entered and associated with a station or trunk number on a per PRI basis. When this station makes an outgoing call on this PRI, the ten digit number entered will be the Calling Party Number sent on this outgoing PRI call. There are 2 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: 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 set to ENABLE in MMC 861 for this feature to work).
6	AUTO ANSWER	When ON, auto answer mode can be assigned on a per trunk basis.

PROGRAM KEYS

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

MMC: 400

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

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

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

DEFAULT DATA:

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

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

MMC: 401 C.O./PBX LINE

DESCRIPTION:

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 401
   Display shows

   `[701] PBX LINE`
   `CO LINE`

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

   `[704] PBX LINE`
   `CO LINE`

   `[ALL] PBX LINE`
   `?`

3. Dial 1 for PBX or 0 for C.O.
   OR
   Use UP or DOWN to scroll through options
   Press RIGHT soft key to return to step 2.

   `[704] PBX LINE`
   `PBX LINE`

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

DEFAULT DATA: ALL TRUNKS C.O. LINE

RELATED ITEMS: NONE

MMC: 402 TRUNK DIAL TYPE

DESCRIPTION:

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

PROGRAM KEYS

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

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

DEFAULT DATA: **ALL TRUNKS DTMF**

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

MMC: 403 TRUNK TOLL CLASS

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 403

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

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

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

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

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

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

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

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

MMC: 404 TRUNK NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

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

MMC: 404

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

DEFAULT DATA: **NO NAMES ENTERED**

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

MMC: 405 TRUNK TELEPHONE NUMBER

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

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

MMC: 405

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

DEFAULT DATA: NO NUMBERS ENTERED

RELATED ITEMS: MMC 404 TRUNK NAME

MMC: 406 TRUNK RING ASSIGNMENT

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 406

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

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

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

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

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

MMC: 407 FORCED TRUNK RELEASE

DESCRIPTION:

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

PROGRAM KEYS

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

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 603 ASSIGN TRUNK GROUP

MMC: 408 ASSIGN TRUNK MOH SOURCE

DESCRIPTION:

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

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

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

For the five 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. 37X: 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.

MISC CARD	CABINET #	HARDWARE ITEM	MISC FUNCTION # MMC 724	DEFAULT DN (Port)
1	1	BGM/MOH Source	01	372
1	1	BGM/MOH Source	02	373
2	2	BGM/MOH Source	01	374
2	2	BGM/MOH Source	02	375
3	3	BGM/MOH Source	01	376
3	3	BGM/MOH Source	02	377

4. 39XX (when AA is used): The MOH source is provided by the AA card. See MMC 736.
5. 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.

MMC: 408

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

DEFAULT DATA: **TONE**

RELATED ITEMS:
MMC 210 CUSTOMER ON/OFF PER TENANT
MMC 308 ASSIGN BACKGROUND MUSIC SOURCE
MMC 724 DIAL NUMBERING PLAN
MMC 736 ASSIGN AA MOH
MMC 748 ASSIGN VM MOH

MMC: 409 TRUNK STATUS READ

DESCRIPTION:

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

OPTION TABLE

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

PROGRAM KEYS

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

MMC: 409

ACTION	DISPLAY
1. Press TRANSFER 409 Display shows	`[701] TRK STATUS` `PORT NO:S01P01`
2. Enter trunk number via dial keypad (e.g.,704) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	`[704] TRK STATUS` `PORT NO:S01P01`
3. Enter in desired option 00-12 (e.g. 02) OR Press UP or DOWN key to make selection.	`[704] TRK STATUS` `TYPE:LOOP TRUNK`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **SEE RELATED MMCs**

RELATED ITEMS:

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

MMC: 410 ASSIGN DISA TRUNK

DESCRIPTION:

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

PROGRAM KEYS

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

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

MMC: 410

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

DEFAULT DATA: **ALL TRUNKS NORMAL**

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

MMC: 411 ASSIGN T1 SIGNAL TYPE

DESCRIPTION:

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

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

PROGRAM KEYS

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

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

MMC: 411

2b. Enter desired trunk type selection from above

OR

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

OR

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

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

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

3. Press TRANSFER to store and exit

OR

Press SPEAKER to store and advance to next MMC.

DEFAULT DATA: **NONE**

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

MMC: 412 ASSIGN TRUNK SIGNAL

DESCRIPTION:

Allows for the assignment of analog DID or E&M cards for proper signalling. This MMC is only for analog types of DID/E&M trunks. These trunks can also use the translation tables in MMC 714. The E&M trunks are allowed the use of translation tables via MMC 416. The signalling condition types are as follows:

IMMEDIATE
DELAYED
WINK

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 412 Display shows	`[701] TRK SIGNAL` `IMMEDIATE START`
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] TRK SIGNAL` `IMMEDIATE START`
3. Enter desired trunk type selection from above list OR Press UP or DOWN key to make selection and press RIGHT soft key.	`[705] TRK SIGNAL` `WINK`

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

DEFAULT DATA: ALL E&M TRUNKS SET TO IMMEDIATE

RELATED ITEMS: MMC 714 DDI NUMBER AND NAME TRANSLATION

MMC: 414 ASSIGN CALLER ID / ANI TRUNKS

DESCRIPTION:

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

Each trunk has the following options:

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

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

PROGRAM KEYS

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

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

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

DEFAULT DATA: ALL TRUNKS ARE NORMAL

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

MMC: 415 REPORT TRUNK ABANDON DATA

DESCRIPTION:

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

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

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

PROGRAM KEYS

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

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

MMC: 415

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

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

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

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

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

MMC: 416 E&M/DID RING

DESCRIPTION:

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

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

2. FOLLOW DID TRANS — When a trunk is set to this option calls will ring at the destination defined in MMC 714 that matches the digits received from the CO. This is the same as the current USE DID TRANS option. This is used when E&M Tie Line (both way DID Service) are used to provide DID service.

3. FOLLOW TRK RING — If this option is selected, press the right soft key and [No. REV DIGIT:00] will appear on the display. Here is where the number of incoming digits from C.O. must be entered (00 through 04). When a trunk is set to this option calls will ring at the destination defined in MMC 406 for that trunk. If the destination defined in MMC 406 is a VMAA port or group then the system will repeat the digits received from the CO to the VMAA port when it answers.

PROGRAM KEYS

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

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

MMC: 416

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

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

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

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

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

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

DEFAULT DATA: **FOLLOW INCOMING**

RELATED ITEMS: MMC 714 DID NUMBER AND NAME TRANSLATION

MMC: 417 TRK TMC GAIN

Not For Use In The United States.

DESCRIPTION:

Allows loss levels for digital trunks to be adjusted on a per trunk basis. There are two adjustments available in this MMC. ”TX” is the transmit level adjustment of the trunk to the station. “RX” is the receive level adjustment of the station to the trunk.

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

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

PROGRAM KEYS

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

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

MMC: 417

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

4. Press ANS/RLS key to select ALL.

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

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

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

RELATED ITEMS: **NONE**

MMC: 418 TRUNK GAIN CONTROL

DESCRIPTION:

Allows loss levels for digital trunks to be adjusted on a per trunk basis. There are two adjustments available in this MMC. ”TX” is the transmit level adjustment of the trunk to the station. “RX” is the receive level adjustment of the station to the trunk.

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

PROGRAM KEYS

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

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

MMC: 418

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

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

RELATED ITEMS: **NONE**

MMC: 419 DISTINCTIVE RINGING

DESCRIPTION:

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

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

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

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

MMC: 419

PROGRAM KEYS

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

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

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

RELATED ITEMS: MMC 111 KEYSET RING TONE

MMC: 420 ANI / DNIS OPTIONS

DESCRIPTION:

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

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

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

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

2. DN1 — Select ANI or DNIS use.

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

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

5. DN2 — Select ANI or DNIS use.

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

MMC: 420

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

PROGRAM KEYS

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

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

MMC: 420

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

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

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

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

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

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

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

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

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

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

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

DEFAULT DATA: **NONE**

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

ANI / DNIS Construction Method

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

MMC: 421 TRUNK COS

DESCRIPTION:

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

PROGRAM KEYS

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

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

MMC: 421

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

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

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

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

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

MMC: 422 COST RATE

DESCRIPTION:

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 422
   Display shows trunk number and Cost Rate table numbers

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

2. Dial trunk number (e.g., 705)
   OR
   Press UP or DOWN to select trunk
   OR
   Press ANS/RLS for all.
   Press RIGHT soft key to move cursor.

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

3. Press UP or DOWN key to move cursor along the line until the cursor is under the Cost Rate mark (e.g., 2).
   Enter 1 for YES or O for NO and press RIGHT soft key to return to step 1
   OR
4. Press TRANSFER to store and exit.

```
[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 BRI AND PRI CARD RESTART

DESCRIPTION:

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

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

MMC: 424

DEFAULT DATA: **NONE**

RELATED ITEMS:
- MMC 425 BRI OPTION
- MMC 426 BRI SPID/DN
- MMC 427 S/T MODE
- MMC 428 BRI S0 MAPPING
- MMC 430 PRI CONTROL

MMC: 425 BRI OPTION

DESCRIPTION:

Assigns several options on a per-BRI basis and there are different options depending on whether the BRI is programmed as a trunk or station in MMC 427.

NOTE: If any changes are made in this MMC, the BRI card that is affected by these changes MUST be restarted using MMC 424 in order for the changes to become effective.

OPTIONS FOR BRI PORTS PROGRAMMED AS TRUNKS IN MMC 427

0	ANY CHANNEL		When this option is set to YES, the system will place calls on any free channel of that BRI if the channel chosen by the user is busy. If set to NO, the user will receive a busy signal if they attempt to access a busy channel even if the other channel on that BRI is free.
1	BRI MODE	P-P DID	Point to Point Direct Inward Dial. This operates in a similar manner to an analog DID circuit with multiple CO numbers pointed to a single channel and translated within the system (MMC714) to a single device. This mode is not used in the U.S.
		P-M NOR	Point to Multi-point NORmal. This type of circuit operates in a similar manner to P-P NORmal but allows multiple devices to be attached to the circuit. Ringing is defined in MMC 406. This mode is not used in the U.S.
		P-M MSN	Point to Multi-point MSN. This setting is used when the line uses the MSN supplementary service. Ringing is defined in MMC 426. This is the U.S. default mode of operation.
		P-P NOR	Point to Point NORmal. This operates like a standard telephone line with one CO number per channel and ring according to MMC 406. This mode is not used in the U.S.

2	DLSEND	OVERLAP	Digits will be sent as they are dialed by the user. This is the usual setting for the U.S. operation.
		ENBLOCK	Digits will be collected and sent in a single block similar to a Cell phone. This setting is generally not used in the U.S.
3	SWH		The ISDN protocol you wish to run on this BRI circuit (e.g., NI_2, 5ESS10, DMS100).
4	TIMER		The ISDN T200 and T300 series timer values (note: do not change these since defaults are correct for U.S. operation).

OPTIONS FOR BRI PORTS PROGRAMMED AS STATIONS IN MMC 427

0	ANY CHANNEL	When this option is set to YES, the system will place calls on any free channel of that BRI if the channel chosen by the user is busy (i.e., Preferred channel selection). If set to NO, the user will receive a busy signal if they attempt to access a busy channel even if the other channel on that BRI is free (i.e., Exclusive channel selection).
1	POWER FEED	This is set to NO for all U.S. applications.
2	SWH	The ISDN protocol you wish to run (e.g., NI_2, 5ESS10, DMS100).
3	TIMER	The ISDN T200 and T300 series timer values (note:do not change these since defaults are correct for U.S. operation).
4	CLI TABLE	This refers to the table in MMC 321 that will be used for Calling party number (the CLI that is sent).

MMC: 425

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 425 Display shows first BRI channel	[7025] BRI-TRK ANY CHANNEL:YES
2. Dial trunk number (e.g., 7027) OR Press UP or DOWN key to select trunk.	[7027] BRI-TRK ANY CHANNEL:YES
Press RIGHT soft key twice to move cursor and Press UP or DOWN key to select option.	[7027] BRI-TRK ANY CHANNEL:NO
Press LEFT soft key and press UP or DOWN key to select option.	[7027] BRI-TRK BRI MODE:P-M MSN
3. Press UP or DOWN key to select option.	[7027] BRI-TRK DLSEND :OVERLAP
4. Press UP or DOWN key to select option.	[7027] BRI-TRK SWH:NI_2
5. Press RIGHT soft key to move cursor and press UP or DOWN to select option.	[7027] BRI-TRK SWH:DMS100
6. Press LEFT soft key to move cursor and press UP or DOWN key to select option.	[7027] BRI-TRK TIMER
7. Press UP or DOWN key to select option and press RIGHT soft key to move cursor.	[7027] BRI-TRK ANY CHANNEL:NO
8. Dial trunk number (e.g., 7029) OR Press UP or DOWN key to select trunk.	[7029] BRI-STN ANY CHANNEL:YES

MMC: 425

9. Press RIGHT soft key twice to move cursor and
   Press UP or DOWN key to select option.

```
[7027] BRI-STN
ANY CHANNEL:NO
```

10. Press LEFT soft key to move cursor and press UP or DOWN key to select option.

```
[7027] BRI-STN
POWER FEED :NO
```

11. Press UP or DOWN key to select option.

```
[7027] BRI-STN
SWH:NI_2
```

12. Press RIGHT soft key to move cursor and press UP or DOWN key to select option.

```
[7027] BRI-STN
SWH:5ESS10
```

13. Press LEFT soft key to move cursor and press UP or DOWN key to select option.

```
[7027] BRI-STN
TIMER
```

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

DEFAULT DATA: **For BRI Ports programmed as Trunks:**

ANY CHANNEL = YES
BRI MODE = P-M MSN
DLSEND = OVERLAP
SWH = NI_2
TIMER (don't change; defaults are correct for U.S. operation)

For BRI Ports programmed as Stations:

ANY CHANNEL = YES
POWER FEED = NO
SWH = NI_2
TIMER (don't change; defaults are correct for U.S. operation)

RELATED ITEMS: MMC 424 CARD RESTART
MMC 426 BRI SPID/DN
MMC 427 S/T MODE

MMC: 426 BRI SPID / DN

DESCRIPTION:

This MMC is used by the technician to assign the Service Profile IDentifiers (SPIDs) and the Directory Numbers (DNs) to the Basic Rate Interface (BRI) circuits on the P4BRI card. It assigns an incoming MSN call to up to six ring plan station or station group destinations. Also, it provides a call waiting option, if needed, so that a second incoming MSN call can be received. There are two MSN entries for each trunk and each can have up to six ring plan destinations, a call waiting option, and an accept/reject option.

NOTE: The options in this MMC apply to BOTH channels of a BRI circuit. If you change the settings for one channel the settings for the other channel on that BRI will automatically change as well.

OPTION	DESCRIPTION
SPID	This is the Service Profile IDentifier number which is used to specify the type of service (e.g., incoming, outgoing, bothway) and service attributes (e.g., voice only, data only, voice and data), etc. available on this facility.
DN	This is a CO number associated with this circuit. Each circuit can have up to two CO numbers of up to ten digits in length.
1-6	These numbers correspond to the six ring plan destinations (maximum) for this MSN. The destinations can be either stations or station groups.
CW	Call Waiting (i.e., if the destination is busy will the call camp on or give an audible BUSY tone signal).
OPT	ACEPT - this setting will allow incoming calls to follow the previously entered ring plan destination data RJECT - this option will reject all incoming calls to this circuit.

MMC: 426

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 426 Display shows	[7001]SPID/DN(1) SPID:
2. Dial the BRI trunk number (e.g., 7005) using the dial keypad OR Press UP or DOWN key to make selection.	[7005]SPID/DN(1) SPID:
3. Press RIGHT soft key twice to move cursor and dial the 1st SPID number (e.g., 30552679860100).	[7005]SPID/DN(1) SPID:2679860100_
4. Press RIGHT soft key to move the cursor and dial the 1st DN (e.g., 5267986).	[7005]SPID/DN(1) DN:5267986_
5. Press RIGHT soft key to move the cursor and dial the first ring plan destination number.	[7005]SPID/DN(1) →1:2005_ 2:NONE
6. Press RIGHT soft key to move cursor and dial the second ring plan destination number.	[7005]SPID/DN(1) →1:2005 2:5002_
7. Press RIGHT soft key to move cursor.	[7005]SPID/DN(1) →3:NONE 4:NONE
8. Press RIGHT soft key twice to move cursor.	[7005]SPID/DN(1) →5:NONE 6:NONE
9. Press 1 for YES or 0 for NO CALL WAITING.	[7005]SPID/DN(1) CW:YES OPT:ACEPT

MMC: 426

10. Press RIGHT soft key to move cursor and press 1 for ACEPT or 0 for RJECT.

```
[7005]SPID/DN(1)
CW:YES OPT:ACEPT
```

11. Press RIGHT soft key twice to move cursor and press UP key to select second SPID.

```
[7005]SPID/DN(2)
SPID:
```

12. Press RIGHT soft key to move cursor and dial the 2nd SPID number (e.g., 30552655340100).

```
[7005]SPID/DN(2)
SPID:2655340100_
```

13. Press RIGHT soft key to move cursor and dial the 2nd DN number (e.g., 5265534).

```
[7005]SPID/DN(2)
DN:5265534_
```

14. Press RIGHT soft key to move the cursor and dial the first ring plan destination number.

```
[7005]SPID/DN(2)
→1:2009_ 2:NONE
```

15. Press RIGHT soft key to move the cursor and dial second ring plan destination number.

```
[7005]SPID/DN(2)
→1:2009  2:2020_
```

16. Press RIGHT soft key to move the cursor.

```
[7005]SPID/DN(2)
→3:NONE  4:NONE
```

17. Press RIGHT soft key twice to move the cursor.

```
[7005]SPID/DN(2)
→5:NONE  6:NONE
```

18. Press 1 for YES or 0 for NO CALL WAITING.

```
[7005]SPID/DN(2)
CW:YES OPT:ACEPT
```

19. Press RIGHT soft key to move cursor and press 1 for ACEPT or 0 for RJECT.

```
[7005]SPID/DN(2)
CW:YES OPT:ACEPT
```

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

DEFAULT DATA: **NO ENTRIES**

RELATED ITEMS: **MMC 424 CARD RESTART**
MMC 425 BRI OPTION
MMC 427 S/T/MODE

MMC: 427 S/T MODE

DESCRIPTION:

Allows the technician to select whether a BRI circuit is a station port or a trunk port.

OPTIONS

TRUNK	The system will treat the circuit as a trunk port and it will appear as a trunk in MMC's 425 and 426.
STATION	The system will treat the circuit as a station port and it will appear as a station in MMC's 425 and 428.

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 427 Display shows first BRI	**[7025] S/T MODE TRUNK**
2. Dial trunk number (e.g., 7027) OR Use UP or DOWN to scroll through BRI numbers and press RIGHT soft key to move cursor	**[7027] S/T MODE TRUNK**
OR Press ANS/RLS to select ALL.	**[ALL] S/T MODE TRUNK**
3. Enter Circuit type OR Press UP or DOWN key to select option. Press RIGHT soft key to return to step 2.	**[7027] S/T MODE STATION**

MMC: 427

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

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 424 BRI AND PRI CARD RESTART**
MMC 425 BRI OPTION
MMC 426 BRI SPID/DN
MMC 428 S0 MAPPING

MMC: 428 BRI S0 MAPPING

DESCRIPTION:

This MMC assigns an ISDN terminal number to a BRI station port.

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
1a. Press TRANSFER 428 Display shows first terminal number	**[7801]S0 MAPPING NONE**
2. Dial terminal number OR Press UP or DOWN key to make selection of terminal numbers and press RIGHT soft key to advance cursor.	**[7804]S0 MAPPING NONE**
3. Dial BRI port number OR Use UP or DOWN to scroll through ports Press RIGHT soft key to return to step 2.	**[7804]S0 MAPPING 7112**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 425 BRI OPTION**
MMC 427 S/T MODE

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, N1_1, Bellcore 5ESSS5, 5ESS9)

MMC: 430

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

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

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

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

MMC: 430

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

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

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

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

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

    OR

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

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

11. Press RIGHT soft key and press UP key.

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

    Press UP key and press RIGHT soft key twice.

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

    Press UP or DOWN key, key in trunk number

    OR

    Press TRANSFER to store and exit

    OR

    Press SPEAKER to store and advance to next MMC.

DEFAULT DATA:

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

RELATED ITEMS:

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

MMC: 432 CONNECTION STATUS

DESCRIPTION:

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

PROGRAM KEYS

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

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

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

```
DISPLAY STATUS
235 : 715
```

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

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

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

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

```
DISPLAY STATUS
702 : 216
```

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

```
DISPLAY STATUS
225: NONE
```

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

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

Display status no connection.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
702 : NONE
```

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

```
DISPLAY STATUS
702 : NONE
```

Display connection status with invalid trunk or station number.

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

```
DISPLAY STATUS
INVALID DATA
```

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

```
DISPLAY STATUS
201 : IDLE
```

MMC: 432

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

1. Press TRANSFER 432.

```
DISPLAY STATUS
201 : IDLE
```

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

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

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

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 409 TRUNK STATUS

MMC: 500 SYSTEM-WIDE COUNTERS

DESCRIPTION:

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

0 ALARM REM. CNTER	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1-99. (Also used for wake up calls).
1 AUTO RDL COUNTER	The number of times the system will redial an outside number after the auto redial feature has been activated. RANGE = 1-99.
2 DISA CALL	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 group. RANGE = 0-25.

PROGRAM KEYS

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

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

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

RELATED ITEMS: MMC 501 SYSTEM-WIDE TIMERS

MMC: 501 SYSTEM TIMERS

DESCRIPTION:

Allows the technician to adjust individual timers as necessary.

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

PROGRAM KEYS

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

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

DEFAULT DATA: SEE TABLE OF TIMERS AND VALUES

RELATED ITEMS: NONE

MMC: 501

TIMER TABLE

TIMER NAME	DEFAULT	RANGE
AA INT DGT TIME	05 SEC	1–25 SEC
AA NO ACT TIME	10 SEC	1–25 SEC
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		
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		
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

MMC: 501

TIMER NAME	DEFAULT	RANGE
PAGE TIME OUT	20 SEC	1–250 SEC
PAGE TONE TIME	500 MS	100–2500
PARK RCALL TIME	45 SEC	0–250 SEC
PC-MMC LOCK OUT	5 MIN	01–60 MIN
PERI UCD REPORT	05 SEC	03-99 SEC
POWER DOWN TIME	2000 MS	1000–9000 MS
RECALL DISCONECT	002 MIN	1–250 SEC
RECALL WAIT TIME	15 SEC	000–250 SEC
ROUTE OPTIMIZE	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		
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

AA INT DGT TIME — When the AA card is installed, this timer determines the interdigit time for AA call processing. If this timer expires before valid digits are received by the AA card, the call will be routed to the AA invalid digits destination.

AA NO ACT TIME — When the AA card is installed, this timer determines the time that the AA card will wait for a first digit for AA call processing. If this timer expires before a digit is received, the call will be routed to the AA no action destination.

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).

MMC: 501

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.

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 CADENCE/SVMi-8E/SVMi-16E 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.

MMC: 501

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

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.

MMC: 501

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.

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.

MMC: 501

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 provided to an SIO port.

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.

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 an AA card is installed and the digital UCD package enabled, this counter determines the maximum number of seconds a call has been waiting at the UCD group before the UCD group's SUPV key begins to flash along with an

audio alarm. For more UCD alarm conditions, see MMC 500.

UCDS VISUAL ALARM When an AA card is installed and the digital UCD package enabled, this counter determines the maximum number of seconds a call at the UCD group before the UCD group's SUPV key begins to flash as an alarm. For more UCD alarm conditions, see MMC 500.

VOIP RE-ROUTE TM When the outgoing call is made via VOIP trunk and does not receive a message from the called party within this time, the call is disconnected.

MMC: 502 STATION-WIDE TIMERS

DESCRIPTION:

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

1 NO ANS FWD	This timer controls how long the station will ring before Forward on No Answer takes place. (Range: 001- 250 sec.)
2 DTMF DUR.	This timer governs the duration of DTMF digits which are transmitted to an external VM system port. This can be used when a VMS system fails to recognize the default DTMF digit duration being transmitted from the DCS SLT port. (Range: 100- 9900 m sec.)
3 F - DGT DELY	This timer will be valuable for the system administrator to insert a suitable delay before generating DTMF digits for In Band Integration. (Range: 00- 9900 m sec)
4. OFFHK SEL	This timer controls the grace period before placing an internal/external call as programmed in MMC 306. (Range: 000- 250 sec.)
5. EFWD DELAY	This timer controls how long a station will ring before the call is forwarded to an external number (Range: 000-250 sec.)
6. CC RNG DLY	When the station does not answer incoming call within this time, other stations with the CC key of that station will ring together. This feature only applies to the station call and station group call does not serviced (Range: 10 sec)

PROGRAM KEYS

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

MMC: 502

ACTION	DISPLAY
1. Press TRANSFER 502. Display shows.	`[201] NO ANS FWD` `010 SEC →`

2. Dial station number (e.g., 205)
OR
Press UP or DOWN key to select station and press RIGHT soft key
OR
Press ANS/RLS to select all stations and press RIGHT soft key.
	`[205] NO ANS FWD`
	`010 SEC →_`
	
	`[ALL] NO ANS FWD`
	`010 SEC →_`

3. Enter new value (must be three digits) via dial keypad (e.g., 020). System will return to step 2.	`[205] NO ANS FWD` `010 SEC →020`
4. Dial timer number from above list (e.g. 2) OR Press UP or DOWN key to select and press RIGHT soft key to move cursor.	`[205] DTMP DUR.` `0100 MS →_`
5. Enter new timer value (must be four digits, e.g. 0200). System returns back to step 2.	`[205] DTMP DUR.` `0100 MS →0200`
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

NO ANS FWD	**015 SEC**
DTMF DURATION	**0100 MSEC**
FIRST DGT DELAY	**0600 MSEC**
OFFHK SEL	**008 SEC**
EFWD DELAY	**010 SEC**
CC RNG DLY	**010 SEC**

RELATED ITEMS:

MMC 102 CALL FORWARD
MMC 207 ASSIGN VM/AA PORT
MMC 726 VM/AA OPTIONS

MMC: 503 TRUNK-WIDE TIMER

DESCRIPTION:

Allows certain trunk timer values to be changed on a per-trunk basis or for all trunks. It is not advisable to change these values, with the exception of trunk Flash Time, without assistance from Technical Support.

TIMER	DESCRIPTION
ANS.BAK TM	ANSwer BAcK TiMe. This timer is used for certain types of E&M signaling and does not affect normal CO lines.
CLEARING	This timer ensures that a call is fully disconnected at the CO by preventing CO access outgoing or receiving incoming ring between a disconnect and the expiration of this timer.
CO SUPV TM	CO SUPerVision TiMe this is the minimum length of loop open disconnect received from the CO that will be seen as a valid hang up on the system.
DTMF DUR.	DTMF DURation This is the length of the DTMF digits that will be sent to the CO on this line.
F-DGT DELY	First DiGiT DELaY This is the length of time the system will wait for CO line conditions to stabilize after seizure before sending DTMF digits.
FLASH TIME	This is the duration of the momentary open sent on a circuit flagged as PBX in MMC 401.
NO RING TM	This is the length of time the system will wait after detecting a ring burst on a line before deciding the call has disconnected.
PAUSE TIME	This is the length of time the system will wait before sending the next digit for a pause in a speed dial bin.
RNG DET TM	RiNG DETect TiMe This is the minimum length of ring signal the system will regard as a valid ring.
WINK TIME	This is the duration of the acknowledgment signal that the system will send on an E&M circuit.
MF/DP INT	This is the interval time between each sending digit. In the case of DTMF, if this time is set for 500 ms or more, then the time interval will be 100ms.

MMC: 503

MFR DLY TIME — This is a delay time before a receiver will listen for DTMF for incoming call. This timer should not be changed from its default value of 0 seconds.

DISA ANSR — This is a delay time to answer the DISA trunk call or to answer the trunk when TRK AUTO ANSWER is set to ON (MMC 400).

CONN DELAY — This is a delay time to connect voice path when the users make outgoing call via loop trunk. This is to prevent the user from hearing noise when loop trunk is seizured.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 503. Display shows.	**[701] ANS.BAK TM** **0600 MS ®**
2. Dial trunk number (e.g., 704) OR Press UP or DOWN key to select trunk and press RIGHT soft key to move cursor	**[704] ANS.BAK TM** **0600 MS ®**
OR Press ANS/RLS to select all trunks and press RIGHT soft key to move cursor.	**[ALL] ANS.BAK TM** **0600 MS ®**
3. Dial timer number from the list OR Press UP or DOWN key to select timer and press RIGHT soft key to move cursor.	**[704] DTMF DUR.** **0600 MS ®_**
4. Enter new timer value (must be four digits, e.g., 0700). System returns to step 2.	**[704] DTMF DUR.** **0600 MS ®0700**

MMC: 503

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

DEFAULT DATA: SEE BELOW

TIMER NUMBER	TIMER NAME	VALUE	RANGE
0	ANS.BAK TM	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	0400 MSEC	0010–2500 MS
9	WINK TIME	200 MSEC	0100-300 MSEC
10	MF/DP INT	0800 MSEC	0100–9900 MSEC
11	MFR DLY TIME	00 SEC	00–25 SEC
12	DISA ANSWR	01 SEC	00–60 SEC
13	CONN DELAY	0000 MSEC	0000–2500 MSEC

RELATED ITEMS: NONE

MMC: 504 PULSE MAKE/BREAK RATIO

DESCRIPTION:

Allows the ability to change the value of pulses per second and the duration of the make/break time. This will only affect rotary dial trunks.

FEATURE KEYS

Dial 0	Make/Break Ratio (01–99)
Dial 1	Pulse Per Second (10 or 20)

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 504. Display shows.	**MAKE/BREAK RATIO** **33 MAKE→**
2. Dial 0 or 1 for option OR Press UP or DOWN key for selection and press RIGHT soft key to move cursor.	**PULSE PER SECOND** **10 PPS →_**
3. Dial new value. System returns to step 2.	**PULSE PER SECOND** **10 PPS →20**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **MAKE/BREAK = 33**
PULSES PER SECOND = 10

RELATED ITEMS: MMC 402 TRUNK DIAL TYPE

MMC: 505 ASSIGN DATE AND TIME

DESCRIPTION:

Allows the system date and time to be set. This will set the system-wide clock.

FEATURE KEYS

W	Day of Week	0–6 (0:SUN, 1:MON, 2:TUE, 3:WED, 4:THU, 5:FRI, 6:SAT)
MM	Month	01–12
DD	Date	01–31
YY	Year	00–99
HH	Hour	00–23
MM	Minute	00–59

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 505. Display shows.	OLD:6010184:0047 NEW:WMMDDYY:HHMM
2. Enter new time and date using above table. System returns to step 2.	OLD:6010184:0047 NEW:3020994:1445
3. Verify time and date. Reenter if necessary.	OLD:3020994:1445 NEW:WMMDDYY:HHMM
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: FOLLOW SOFTWARE DATE 12:00

RELATED ITEMS: NONE

MMC: 506 TONE CADENCE

DESCRIPTION:

Provides the ability to customize the tone cadence on a system-wide basis. There are ten tone cadences available. Please call Technical Support before changing any cadences as some systems may require default settings.

TONE NAME	DESCRIPTION
BUSY TONE	The called station is busy.
CONFM/BARGE	A feature has been successfully activated/cleared or a Barge In with Tone has been performed.
DIAL TONE	The system is ready to interpret key presses/dialed digits.
DND/NO MORE	The called station is in DND or has no free CALL buttons.
ERROR TONE	An error has been made.
HOLD/CAMPON	This is the system generated hold tone.
MSGWAT TONE	This is the dial tone heard at an SLT with a message waiting.
RGBACK TONE	The called station is ringing.
RING TONE	This is the CO ring cadence.
TRSFER TONE	This is the dial tone heard when the transfer key is pressed or an SLT hook flashes.
DID RGBACK	This is the ringback tone heard by the outside party when they dial a DID number.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 506. Display shows.	**BUSY TONE** **CONTINUOUS TONE**

MMC: 506

2. Dial tone number from above list (0–9, e.g., 9)
   OR
   Press UP or DOWN key to select tone, press LEFT soft key and advance to step 3.

```
TRSFER TONE
INTERRUPT TONE
```

3. Dial tone option 0 for CONTINUOUS or 1 for INTERRUPT
   OR
   Press UP or DOWN key to select tone control and press RIGHT soft key to advance to step 4
   OR
   Press LEFT soft key to return to step 2.

```
TRSFER TONE
INTERRUPT TONE
```

4. Dial new value for interrupt times (must be four digits).
   Press RIGHT soft key advances cursor.
   Press LEFT soft key retreats cursor.
   If valid entry, system returns to step 2.

```
TRSFER TONE:0100
9900 0100 9900
```

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

DEFAULT DATA: SEE BELOW FOR CADENCES. BY DEFAULT DIAL TONE AND MESSAGE WAIT TONE ARE CONTINUOUS.

	TONE	ON	OFF	ON	OFF	TONE
0	BUSY TONE	500	500	500	500	Interrupt
1	CONFIRM/BARGE-IN TONE	50	50	50	50	Interrupt
2	DIAL TONE	1000	250	1000	250	Continuous
3	DND/NO MORE TONE	250	250	250	250	Interrupt
4	ERROR TONE	250	250	250	250	Interrupt
5	HOLD/CAMP-ON TONE	500	3500	500	3500	Interrupt
6	MESSAGE WAIT TONE	1000	250	1000	250	Continuous
7	RING BACK TONE	1000	3000	1000	3000	Interrupt
8	RING TONE	1000	3000	1000	3000	Interrupt
9	TRANSFER TONE	100	100	100	100	Interrupt
10	DID RINGBACK TONE	2000	4000	2000	4000	Interrupt

NOTE: All times are in milliseconds.

RELATED ITEMS: NONE

MMC: 507 ASSIGN RING PLAN TIME

DESCRIPTION:

Use this MMC to program Ring Plans time settings. Ring Plans provide six separate ringing destinations based on day of the week and time of day. The start time within a plan is the time the system will switch from one ringing destination to the next. The end time is the time the system will switch from that plan to the previous plan. A RPO (Ring Plan Override) key is not needed as the system will switch automatically; however, it is helpful to have a dedicated button so the status can be manually changed if needed. If a ring plan has no time entry the ring plan defaults to ring plan 1. The ring plans correlate with all MMC's that program ring or termination destinations and station and trunk COS.

Use the following example of assigning Ring Plans:

RING PLAN	START TIME	END TIME
(MON: 1)	ST: 0000	END: 23:59
(MON: 2)	ST: 0800	END: 2200
(MON: 3)	ST: 1000	END: 2000
(MON: 4)	ST: 1200	END: 1800
(MON: 5)	ST: 1300	END: 1600
(MON: 6)	ST: 1400	END: 1500

Using a 24 hour clock in the example above notice that the END time is within the same 24 hour period. The system will stay in the last active Ring Plan from the previous day until the end time which is 23:59. Monday starts the Ring Plan 1 at 00:00. The system will stay Ring Plan 1 until 08:00 and will stay in Ring Plan 2 until Ring Plan 3 starts. As each ring Plan start it will override the previous Ring Plan. If a Ring Plan ends and there are no additional Ring Plans the system will default to the Ring Plan with time that extends past the expired ring plan time.

Note 1: Ring Plans must be programmed in sequence. IE. RP 1,2,3,4 etc.
A Ring Plan cannot be omitted. IE. RP 1,2,5 etc.
A higher numbered Ring Plan cannot have a START time before a lower numbered Ring Plan.

Note 2: Ring Plan 1 is the default Ring Plan of each day. If no Ring Plan destination is input the operator group (500/5000) is the default destination.

MMC: 507

FEATURE KEYS

0	SUN	4	THU
1	MON	5	FRI
2	TUE	6	SAT
3	WED		

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 507. Display shows.	`RING PLAN (SUN:1)` `ST:0000 END:0000`
2. Dial day number (0–6, e.g., 3) OR Press UP or DOWN key to select day Press RIGHT soft key to advance cursor to step 3.	`RING PLAN (WED:1)` `ST:0000 END:0000`
3. Dial start time for night, e.g., 1730. If valid, cursor moves to end time. Enter end time. If valid, system returns to step 2 begin again.	`RING PLAN (WED:1)` `ST:1730 END:0800`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **START: NONE** **END: NONE**

RELATED ITEMS:

MMC 211 DOOR PHONE
MMC 406 TRUNK RING
MMC 421 TRUNK COS
MMC 701 STATION COS
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING
MMC 512 HOLIDAY ASSIGNMENTS

MMC: 510 SLI RING CADENCE

DESCRIPTION:

Provides the ability to customize the receiving ring cadence for single line ports on a system-wide basis. There are 5 cadences available. Please call Technical Support before changing any cadences as some peripheral systems may require default settings.

CADENCE NAME	DESCRIPTION
1:STN RING	This is the cadence incoming intercom calls will ring at.
2:TRK RING	This is the cadence incoming trunk calls will ring at.
3:DOOR RING	This is the cadence incoming doorphone calls will ring at.
4:ALM RING	This is the cadence incoming alarm reminder calls will ring at.
5:CBK RING	This is the cadence callbacks will ring at.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 510. Display shows.	`1:STN RING :0400` `0200 0400 3000`
2. Dial cadence number from above list (e.g., 3) OR Press UP or DOWN key to select , press LEFT soft key and advance to step 3.	`3:DOOR RING:0400` `0100 0400 2000`

MMC: 510

3. Dial new value for interrupt times (must be four digits).
   Press RIGHT soft key advances cursor.
   Press LEFT soft key retreats cursor.
   If valid entry, system returns to step 2.

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

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

DEFAULT DATA: SEE BELOW

	CADENCE	ON	OFF	ON	OFF
1	STN RING	0400	0200	0400	3000
2	TRK RING	1000	3000	1000	3000
3	DOOR RING	0400	0100	0400	2000
4	ALM RING	0200	0200	0200	2000
5	CBK RING	0200	0200	0200	4000

NOTE: All times are in milliseconds.

RELATED ITEMS: NONE

MMC: 512 HOLIDAY ASSIGNMENT

DESCRIPTION:

This MMC defines up to 20 holiday dates throughout the year. The system will override the normal ring plan for these days and remain in the ring plan associated with the holiday. Dates are entered in a month day format. For example July 4th would be 0704. One ring plan applies to all holidays.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 512. Display shows the Ring Plan.	RING PLAN FOLLOW 1
2. Press RIGHT soft key advance cursor. Press UP or DOWN key to select a Ring Plan OR Use the dial pad to select a Ring Plan (eg. 2).	RING PLAN FOLLOW 2
3. Press the RIGHT softkey to enter and advance cursor.	RING PLAN FOLLOW 2
4. Press UP or DOWN key to scroll to assign Holiday and press RIGHT soft key to advance cursor.	ASSIGN HOLIDAY 01:
5. Press UP or DOWN key to select entry and press RIGHT soft key enter and advance cursor.	ASSIGN HOLIDAY 05:
6. Dial date using the dial pad for holiday (eg. 0704).	HOLIDAY : MMDD 05:0704

MMC: 512

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

DEFAULT DATA: **NO HOLIDAY ASSIGNED**
FOLLOW RING PLAN 1

RELATED ITEMS: **MMC 507 ASSIGN RING PLAN TIME**
MMC 406 TRUNK RING

MMC: 515 ASSIGN DAYLIGHT SAVINGS DATES

DESCRIPTION:

Allows the Technician to program the start dates and end dates of daylight saving time on a system for the current year and the next 9 years. System will automatically add 1 hour to the system clock at 02.00 (2.00 am) on the Start date and subtract 1 hour from the system clock at 02.00 (2.00 am) on the End date.

The US starts daylight savings time on the first Sunday in April and ends on the last Sunday in October.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 515. Display shows.	NO:YY:START:END 01:13:0407 :1027
2. Press UP or DOWN key to select entry 01 to 10, eg. 05.	NO:YY:START:END 05:17:0407 :1027
3. Press RIGHT soft key to enter the year in a 2 digit format eg: 08 for 2008. The cursor moves to the START field.	NO:YY:START:END 05:08:0407 :0027
4. Using the keypad, enter the start date in format MMDD. The cursor moves to the END field eg. 0428 (April 28).	NO:YY:START:END 05:08:0428 :1027
5. Using the keypad enter the END date in format MMDD, e.g. 1027, (October 27).	NO:YY:START:END 05:08:0428 :1027
6. Repeat steps 2 to 5 for each year in sequence.	
7. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 515

DEFAULT DATA: NONE

RELATED ITEMS: MMC 505 DATE & TIME

MMC: 600 ASSIGN OPERATOR GROUP

DESCRIPTION:

Used to assign an operator group for each ring plan.

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 600.
   Display shows.

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

2. Dial the ring plan number (1~6)
   OR
   Press the RIGHT soft key to advance the cursor.

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

3. Dial the group number
   OR
   Press UP and DOWN key to select group and press RIGHT soft key.

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

DEFAULT DATA: **1~6 : 500**

RELATED ITEMS: MMC 211 DOOR RING ASSIGNMENT
MMC 406 TRUNK RINGING ASSIGNMENT
MMC 601 ASSIGN STATION GROUP
MMC 602 STATION GROUP NAME

MMC: 601 ASSIGN STATION GROUP

DESCRIPTION:

This MMC is used to build all station groups. There are 20 programmable groups available in the OfficeServ 100 system.

The options for setting up these groups are as follows: A through F.

Note: Station group 500 can only be set as normal or MSG group.

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 100 will support two methods of UCD:

   - **TYPE 1 UCD**
     The group OVERFLOW/N-ANS destination (see below) is defined as an SLT port to which you must connect some type of announcement device to play to callers while they are on hold.

     Please note that this type of UCD group has the following limitations.

     a) The announcement device must be able to terminate the announcement with a hook flash and a transfer back to the UCD group.

     b) Only one caller at a time can hear the announcement.

     c) Each caller connected to the announcement must hear the announcement in its entirety.

     d) It is possible that a new caller may “jump ahead” in the queue if a previous caller is currently connected to the announcement device.

   - **TYPE 2 UCD**
     The group OVERFLOW/N-ANS destination (see below) is defined as an

AA port or group. This will only work if an AA card has been installed in the system.

The digital announcer in the AA card will supply two recorded announcements to callers in queue. The first announcement is played only once, the second announcement will repeat for as long as the caller is in queue.

This type of UCD group has the following advantages:

a) No external device need be installed to provide an announcement.

b) Multiple callers can hear the announcement(s) simultaneously.

c) Callers hearing the announcement will be transferred to a free UCD group member (agent) as soon as the agent becomes available.

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. **AA:** This is used to group a number of AA ports. An Auto Attendant (AA) card must be installed in the system to do this.

4. **BI-VMS:** This is the voice mail group for the built in Samsung Voice Mail Card. When a Voice Mail Card is installed, group 519 must be programmed as a BI-VMS group on an OfficeServ 100. Group 519 is fixed for the voice mail card use. If the voice mail card is not installed in the system, group 519 can be used as any other group can be used. NOTE: If you manually change to use four digit station dialling it is recommended that you manually change station group 519 to 5019 to keep the system dialling plan consistent.

5. **MESSAGE:** Used to group a number of extensions to serve as a message desk or message group. When one of the stations in this type of group leaves a message to another station the messaged station will return the message to the message group so any member can answer the call. If a station is a member of more than one message group, then any message indications made by that station would be for the first numerical message group they are a member of. It is not recommended to program stations in to multiple station groups.

6. **SO STN GRP:** This is used to group a number of S0 stations for video conference.

B. RING MODE: Each group can have one of the following ring modes. This will decide how calls are placed to the group.

1. **SEQUENTIAL:** The stations listed as "members" (see below) will be called on a first available basis. Calls will first go to the first member, if the first member is busy, calls will go to the second member, if the second member is busy, calls will go to the third member etc. This type of group is useful for placing the bulk of the incoming calls to a selected individual, with other members only getting the calls when the first member is busy. The number of members allowed for a sequential group is 32.

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 32.

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 AA UCD 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 100 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 32 members are allowed in each group, but stations can be assigned to multiple station groups.

G. NXT HUNT: The length of time a call will ring at a station before it hunts to the next group member.

H. GROUP BUSY: OFF When this option is set to ON an intercom caller will receive a busy signal when calling the group and all members of the group are busy. When this occurs then the overflow timer is bypassed as the group is not ringing.

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

I. GRP AUTOANS: OFF When this option is set to ON, intercom calls to the group will Auto Answer/Voice Announce if the station is programmed for Auto Answer/Voice Announce in MMC 103. CO calls will follow the AUTO ANS CO setting in MMC 110 for a group member in addition to the group members setting in MMC 103.

FEATURE KEYS

0	TYPE	Group type (Normal, VM/AA, UCD, AA, BI-VMS, MESSAGE, S0 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

MMC: 601

HOLD Used to clear previous entry

ACTION	DISPLAY
1. Press TRANSFER 601. Display shows.	[501] STN.GROUP TYPE:NORMAL GRP
2. Dial group number (e.g., 505) OR Press UP or DOWN key to select group Press LEFT soft key to move cursor to type of group and DIAL group type (0–2, e.g., 1) OR Press UP or DOWN key to make selection. Press LEFT soft key to move cursor to TYPE.	[505] STN.GROUP TYPE:NORMAL GRP [505] STN GROUP TYPE:VMAA
3. Dial feature option number (0–6, e.g., 0) OR Press UP or DOWN key to scroll options and press RIGHT soft key to move cursor.	[505] STN GROUP RING:SEQENTIAL
4. Dial ring option (0–2, e.g., 1) OR Press UP or DOWN key to make selection. Press LEFT soft key to move cursor back to RING or press RIGHT soft key to return to step 2.	[505] STN GROUP RING:DISTRIBUTE
5. Dial next feature option and continue OR Press UP or DOWN key to select option and press RIGHT soft key OR Press LEFT soft key to return to step 2.	[505] STN GROUP RING:DISTRIBUTE
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NORMAL GROUP**

RELATED ITEMS: MMC 103 SET ANSWER MODE
MMC 110 STATION ON/OFF
MMC 203 ASSIGN UA DEVICE
MMC 204 COMMON/LOUD BELL CONTROL

MMC: 602 STATION GROUP NAME

DESCRIPTION:

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

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 602. Display shows.	**[500] SGR NAME**
2. Dial group number (e.g., 505) OR Press UP or DOWN key to make selection and press LEFT or RIGHT soft key to move cursor.	**[505] SGR NAME**
3. Enter in name using above method and table.	**[505] SGR NAME** **TELECOMS**

MMC: 602

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

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 104 STATION NAME
MMC 404 TRUNK NAME
MMC 600 ASSIGN OPERATOR GROUP
MMC 601 ASSIGN STATION GROUP

MMC: 603 ASSIGN TRUNK GROUP

DESCRIPTION:

Allows the assignment of trunks to a specific trunk group or to several trunk groups. This is very useful in the programming of LCR when more than one trunk is to be in several dialing plans. There are two different modes of operation: (1) sequential and (2) distribute. There are 11 programmable trunk groups in a system with up to 40 members per group.

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 603. Display shows.	`[9] TRK GROUP` `MODE:SEQUENTIAL`
2. Enter in valid trunk group (e.g., 9, 800-848) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.	`[801] TRK GROUP` `MODE:SEQUENTIAL`
3. Press RIGHT soft key to change mode OR Press UP or DOWN key to change mode to member.	`[801] TRK GROUP` `MEMBER 01:NONE`

MMC: 603

4. Press RIGHT soft key to move cursor to number of member and enter valid member number (1-40, 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 40 members. A keyset may be assigned to more than one zone. Page zone (✱) will page all external page zones as well as all keysets that are members of page zone **0**.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 604. Display shows.	**INT.PAGE ZONE(1)** **MEMBER 01:NONE**
2. Enter the page zone number (0-4, ✱, e.g., 3) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 01:NONE**
3. Enter index number (01–40, e.g., 05) via dial keypad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 05:NONE**
4. Enter station number (e.g., 205) via dial keypad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**INT.PAGE ZONE(3)** **MEMBER 05:205**

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 MISC 1 or MISC 2 card to allow external paging.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 605. Display shows first page zone.	**EXT. PAGE ZONE:(5)** **MEMBER 1:3601**
2. Dial page zone number (e.g., 6) OR Use UP or DOWN to select desired page zone numbers and press RIGHT soft key to move the cursor.	**EXT. PAGE ZONE:(6)** **MEMBER 1:NONE**
3. Dial member number (e.g., 3) OR Use UP or DOWN to select member numbers and press RIGHT soft key to move the cursor OR Press LEFT soft key to return to step 2 above.	**EXT. PAGE ZONE:(6)** **MEMBER 3:**

MMC: 605

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:(6)
MEMBER 3:3602
```

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 1500 speed dial numbers may be allocated as. These total library of numbers is split between the System Speed Dial list with the balance being shared between stations. The system list can be set for either 500 or 950 numbers using MMC 861. Each station can have up to 50 numbers. Speed dial numbers are assigned in blocks of ten. Each speed number may contain up to 24 digits.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 606. Display shows. This indicates 20 blocks of 10 (200 numbers) are available in the free list and 20 blocks of 10 (200 numbers) are assigned to the system speed dial list.	**FREE LIST:20** **SYSTEM:20**
2. Press RIGHT soft key to advance to next line.	**FREE LIST:20** **SYSTEM:20**
3. Make a selection of SYSTEM or EXT using UP or DOWN key. Press RIGHT soft key to advance cursor.	**FREE LIST:20** **EXT201:1**

MMC: 606

4. Enter desired extension number via dial keypad (e.g., 205)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.

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

5. Enter valid number for bins (e.g., 0–5 for EXT or 00–50 for SYSTEM)
   OR
   Press UP or DOWN key to make selection
   OR
   Press HOLD key to delete bin(s).

```
BUSY LIST:60
EXT205:5
```

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

DEFAULT DATA: **SYSTEM: 200 ENTRIES**
STATIONS: NO BLOCKS ASSIGNED

RELATED ITEMS:
MMC 105 STATION SPEED DIAL
MMC 106 STATION SPD NAME
MMC 705 ASSIGN SYSTEM SPEED DIAL
MMC 706 SYSTEM SPEED DIAL BY NAME
MMC 861 SYSTEM OPTION

MMC: 607 UCD OPTIONS

DESCRIPTION:

Sets up UCD options when a SMISC4 card with AA has been installed. MMC 601 must have already been used to define a UCD group with an overflow destination of an AA port or group. (A group is preferred over a port because a group allows multiple paths into the SMISC4 card with AA card and therefore has greater traffic handling capabilities.) When a group overflow timer in MMC 601 expires, the caller will be routed to the SMISC4 with AA card It is here that the caller is played the UCD "FIRST MESSAGE" and "SECOND MESSAGE" while in queue. This will continue until an agent becomes free or the caller is transferred to a final destination.

This MMC includes options to select messages to play to a caller. These messages can be as follows:

MESSAGES 01–48

These can be created using the AAREC key (programmed on keysets by using MMC 722 or 723). A total of two minutes of message time is available and can be divided up into 1 to 48 messages.

MESSAGES 49–64

These are pre-programmed as follows:

49 "Thank you for calling, please dial your party's extension number."
50 "Invalid number, please try again."
51 "I'm sorry, there is no answer."
52 "I'm sorry, that station is busy."
53 "One moment please."
54 "Transferring."
55 "I'll transfer you."
56 "Good-bye."
57 "Thank you."
58 "Please hold for the operator."
59 "Please hold for assistance."
60 "Thank you, good-bye."
61 "I'm sorry, all stations are presently busy."
62 "I'm sorry, all stations are still busy."
63 "Please call back later."
64 "I'm sorry, not a valid selection."

MMC: 607

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, see the User Instructions Section, Auto Attendant and Uniform Call Distribution System Administration. The default message is #61 “I’m sorry, all stations are presently busy.”

This message will only be played once for the caller.

SECOND MESSAGE

If no agent has become free after the UCD recall time (see UCD Recall), the caller will be played the second message. For instructions on how to make these recordings, see the User Instructions Section, Auto Attendant and Uniform Call Distribution System Administration. The default message is #62 “I’m sorry, all stations are still busy.”

This message will be repeated for as long as the caller is in queue, at an interval specified in the UCD Recall Timer below.

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.

MMC: 607

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), a disconnect or another plan. Plans are entered by pressing key #19 (CONF) plus two digits 01–12. 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.)

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, AA message defined in MMC 736 or a message site in SVM.

MMC: 607

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.

GBUSY NEXT

This ON/OFF option specifies if all agents are busy, specifies whether the next port is called immediately during overflow time.

ACTION	DISPLAY
1. Press TRANSFER 607. Display shows.	`[530] UCD GROUP` `FIRST MSG  :61`
2. Press UP or DOWN to select UCD group or dial group number OR	`[542] SALES` `FIRST MSG  :61`
Press LEFT soft key to position cursor under message number and enter new message OR	`[530] UCD GROUP` `FIRST MSG  :25`
Press RIGHT soft key and advance to next option using the UP and DOWN keys to select an option.	`[530] UCD GROUP` `UCD RECALL:010 SEC`

MMC: 607

3. Press RIGHT soft key and advance to next option Use the UP and DOWN keys to make a selection or make a selection using the dial pad.

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

4. Press the LEFT soft key to ENTER the selection and to return to step 1
   OR
   Press the RIGHT soft key to return to step 3.

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

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

DEFAULT DATA: SEE ABOVE

RELATED ITEMS: MMC 601 ASSIGN STATION GROUP
AA PROGRAMMING

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 1000 total bins. Each keyset may be assigned a maximum of 50 bins.

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 608.
   Display shows first station.

   ```
   [201] REVW BLOCK
   NONE: 0800 FREE
   ```

2. Enter desired EXT number (e.g. 205)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.

   ```
   [205] REVW BLOCK
   NONE: 0850 FREE
   ```

3. Enter valid number for bins (e.g. 5)
   OR
   Press UP or DOWN key to make selection
   OR
   Press HOLD key to delete bin(s).

   ```
   [205] REVW BLOCK
    50 : 0800 FREE
   ```

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

DEFAULT DATA: STATIONS: NONE

RELATED ITEMS: NONE

MMC: 609 CALL LOG BLOCK

DESCRIPTION:

Provides means of adding or deleting Call LOG blocks to an individual keyset. With the ability to delete a block or blocks, it will not be necessary to waste these on such items as voice mail, DPIMs or for keysets that do not have displays. The free list will show how many bins are left that be assigned. A system has 1000 bins.

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 609.
   Display shows first station.

   ```
   [201] LOG BLOCK
   NONE: 850 FREE
   ```

2. Enter desired EXT number (e.g. 205)
   OR
   Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor.

   ```
   [205] LOG BLOCK
   NONE: 850 FREE
   ```

3. Enter valid number for bins (e.g. 5)
   OR
   Press UP or DOWN key to make selection
   OR
   Press HOLD key to delete bin(s).

   ```
   [205] LOG BLOCK
    50 : 800 FREE
   ```

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

DEFAULT DATA: STATIONS: NONE

RELATED ITEMS: NONE

MMC: 611 ALLOW TEXT MESSAGING

DESCRIPTION:

This program allows the user to send a text message to a busy station or during an OHVA. Up to 20 stations can be set to use this feature. Each user is assigned a block of ten messages to program individually.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 611. Display shows.	`[201] TMSG STN` `NOT USED:20 FREE`
2. Enter the number of a station OR Press VOLUME to select the number of a station. Press RIGHT soft button to move the cursor.	`[202] TMSG STN` `NOT USED:20 FREE`
3. Specify whether text message will be used or not. A message, “NOT USED: CAN’T” will be displayed on LCD if the Maximum number of stations is exceeded.	`[202] TMSG STN` `USED`
4. Press TRANSFER to exit the program. OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: **ITP-5112L sets are automatically set to USED**

RELATED ITEMS: MMC 117 TEXT MESSAGE

MMC: 612 ALLOW GROUP CONFERENCE

DESCRIPTION:

This program allows an ITP5112L keyset or OfficeServ Softphone user to use the Group conference call feature. Up to 100 stations can be allowed in the system. Each user can have up to 5 pre-programmed conferences of up to four other members plus their own station. NOTE: When a large number of stations are allowed group conference feature consider installing an SCM board to increase conference circuits from 6 to 24 maximum.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 612. Display shows.	`[201] CONF STN` `NOT USED:100 FREE`
2. Enter the number of a station OR Press VOLUME to select the number of a station. Press RIGHT soft button to move the cursor.	`[202] CONF STN` `NOT USED :100 FREE`
3. Specify whether a group conference can be used or not. A message, “NOT USED” ”will be displayed on LCD if the maximum number of the station used for a simultaneous conference call is exceeded.	`[205] CONF STN` `USED`
4. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: **ITP5112L sets are automatically set for USED**

RELATED ITEMS: MMC 118 CONFERENCE GROUP

MMC: 614 SET A STATION/C.O. LINE CALL GROUP

DESCRIPTION:

This program is used to define on build “USE” groups to restrict calling. You can assign stations to a specific STATION USE GROUP and trunks to a specific TRUNK USE GROUP.

Definable USE GROUPS:

STATION USE GROUPS = 001 to 100
TRUNK USE GROUPS = 101 to 200

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 102 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 (102). Stations 201-224 (001) can not call station 225-250 (002).

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 614. Display shows first station.	**STATION GROUP** **2001:001**

MMC: 614

2. Enter [0] if the user wants to set a call group to a station. Enter [1] if the user wants to set a call group to a C.O. line.
   OR
   Press VOLUME to select a desired item.
   Press the RIGHT soft button to move the cursor.

```
TRUNK GROUP
701:101
```

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
702:101
```

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
702:102
```

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 100 and OfficeServ 500 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 100 and OfficeServ 500 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
- **MGI3 NEEDED:** This determines what MGI ports can be used for T.38 facsimile communications across a private network.
- **PUB IP MGI3:** This determines what MGI ports can be used for T.38 facsimile communications on a public network.
- **ITP PAGED:** This determines which trunk members can be used for ITP internal station page.

The MGI ports can be regarded as trunks and allow two selection modes: Sequential or Distributed.

The members of each selection are the actual ports on the MGI card(s)

MMC: 615

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 615. Display shows the first available option. Press UP or DOWN key to select an option OR Press the RIGHT softkey to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	USER: LOCAL ITP MODE:SEQUENTIAL
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor.	USER: LOCAL ITP MODE:DISTRIBUTED
Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor to return to Step 1. OR 5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	USER: PUB IP ITP MODE:SEQUENTIAL

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), SIP trunks (85XX) and MGI 3 facsimile. Only one assignment per MGI port is permitted. Any entries made here will override entries made in MMC 615.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 616. Display shows the first available option. Press UP or DOWN key to select an MGI port OR Press the RIGHT soft key to move cursor.	**(3801) MGI USER NONE**
2. Press UP or DOWN key to select an option OR Press RIGHT soft key to move cursor	**(3801) MGI USER NONE**
3. Press UP or DOWN key to select an option or use the dial pad to input a station or IP trunk number and press RIGHT soft key to enter data and move cursor to the Step 1 position.	**(3801) MGI USER 278**
4. Press UP or DOWN key to select a different MGI port OR press RIGHT soft key to move cursor.	**(3802) MGI USER NONE**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 616

DEFAULT DATA: **NONE**

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS

MMC: 700 COPY COS CONTENTS

DESCRIPTION:

This MMC allows the technician to duplicate a class of service to make it easier to have multiple similar classes of service.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
"F" KEY	Used to advance to MMC 701

ACTION	DISPLAY
1. Press TRANSFER 700. Display shows.	**COPY COS ITEMS** **COS 01→COS 01**
2. Dial selected COS to copy (e.g., 05) OR Press UP or DOWN key to select COS and press RIGHT soft key to move cursor and advance to next step.	**COPY COS ITEMS** **COS 05→COS 01**
3. Dial target COS (e.g., 06) OR Press UP or DOWN key to select COS and press RIGHT soft key to move cursor back to step 2.	**COPY COS ITEMS** **COS 05→COS 06**
4. Press F key to advance to MMC 701 and press RIGHT soft to advance cursor.	**COS CONTENTS(06)** **TOLL LEVEL:A**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS

MMC: 701 ASSIGN COS CONTENTS

DESCRIPTION:

Similar to MMC 700 but does not allow a copy command. This MMC is primarily used for creating a new class of service. There are 30 classes of service available.

NOTE: This MMC is divided into 4 categories. The categories are USABLE FEATURES, CALL STATION GROUPS, CALL TRUNK GROUPS, CALL TO BIVMS STN (SVM).

PROGRAM KEYS

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

TOLL LEVEL OPTIONS

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

ACTION	DISPLAY
1. Press TRANSFER 701. Display shows.	**COS CONTENTS(01)** **TOLL LEVEL:A**
2. Dial COS (e.g., 06) OR Press UP or DOWN key to select COS. Press RIGHT soft key to move cursor to toll level.	**COS CONTENTS(06)** **TOLL LEVEL:A**
3. Dial toll level (e.g., 2—see above list) OR Press UP or DOWN to select new TOLL level OR Press RIGHT soft key to advance to COS options.	**COS CONTENTS(06)** **TOLL LEVEL:C**

4. Dial COS option (e.g., 09—DALM CLR)
   OR
   Press UP or DOWN key to select option.
   Press RIGHT soft key to move cursor.

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

5. Dial 0 for NO or 1 for YES
   OR
   Press UP or DOWN key to select option.
   Press LEFT soft key to return to step 4.
   Press RIGHT soft key to return to step 2.

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

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

Table A. COS Feature List by Option Number

USABLE FEATURE

Item #	LCD Display	COS Option
00	AA CALER	Auto answer control by caller*
02	ALM CLR	Alarm Clear
03	AUTO RDL	Retry on busy
04	CALLBACK	Callback
05	CID ABND	Caller ID Abandon*
06	CID INQR	Caller ID Inquire*
07	CID INVT	Caller ID Investigate*
08	CONFER	Conference
09	DALM CLR	DISA alarm ring clear
10	DIRECT	Directory dial
11	DISA	Allow DISA use
12	DND	Do Not Disturb
13	DND FWRD	Forward Do Not Disturb
14	DND OVRD	Do Not Disturb override
15	DOOR	Door ring answer
16	DSS	Direct station select
17	DTS	Direct trunk select
18	NOT USED	
19	EXT FWD	External call forward
20	FEATURE	Feature key
21	FLASH	Trunk flash
22	FOLLOW-ME	Call forward-follow me
23	FORWARD	Call forwarding

Table A. COS Feature List by Option Number

USABLE FEATURE

Item #	LCD Display	COS Option
24	NOT USED	
25	GRP/IO	Group in/out
26	HOLD	Hold
27	HOTLINE	Hot line
28	INTERCOM	Intercom call
30	MESSAGE	Message
31	MM PAGE	Meet me page
32	NEW CALL	New call
33	OHVAED	Ohvaed
34	OHVAING	Ohvaing
35	ONEA2	1A2 emulation
36	OPERATOR	Operator
37	OUT TRSF	Outgoing transfer
38	OVERRIDE	Override
39	PAGE 0	Page zone 0 PAGING
40	PAGE 1	Page zone 1 PAGING
41	PAGE 2	Page zone 2 PAGING
42	PAGE 3	Page zone 3 PAGING
43	PAGE 4	Page zone 4 PAGING
44	PAGE 5	Page zone 5 PAGING
45	PAGE 6	Page zone 6 PAGING
46	PAGE 7	Page zone 7 PAGING
47	PAGE 8	Page zone 8 PAGING
48	PAGE 9	Page zone 9 PAGING
49	PAGE ✱	Page zone ✱ PAGING
50	NOT USED	
51	PICKUP	Call Pickup
52	PRB	Privacy Release Bridge
53	REM . HOLD	Remote Hold
54	RNG PLAN	Ring Plan
55	SECURE	Override Secure
56	SET RLOC	Set Relocation
57	SSPD TOL	System Speed Dial Toll Check
58	STN LOCK	Station Locking
59	SYS SPD	System Speed Dial
60	NOT USED	
61	TRK EHLD	Trunk Exclusive Hold
62	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	COS Option
STNGRP 01	Station group 01 calling
STNGRP 02	Station group 02 calling
STNGRP 03	Station group 03 calling
STNGRP 04	Station group 04 calling
STNGRP 05	Station group 05 calling
STNGRP 06	Station group 06 calling
STNGRP 07	Station group 07 calling
STNGRP 08	Station group 08 calling
STNGRP 09	Station group 09 calling
STNGRP 10	Station group 10 calling
STNGRP 11	Station group 11 calling
STNGRP 12	Station group 12 calling
STNGRP 13	Station group 13 calling
STNGRP 14	Station group 14 calling
STNGRP 15	Station group 15 calling
STNGRP 16	Station group 16 calling
STNGRP 17	Station group 17 calling
STNGRP 18	Station group 18 calling
STNGRP 19	Station group 19 calling
STNGRP 20	Station group 20 calling
STNGRP 21	Station group 21 calling
STNGRP 22	Station group 22 calling
STNGRP 23	Station group 23 calling
STNGRP 24	Station group 24 calling
STNGRP 25	Station group 25 calling
STNGRP 26	Station group 26 calling
STNGRP 27	Station group 27 calling
STNGRP 28	Station group 28 calling
STNGRP 29	Station group 29 calling
STNGRP 30	Station group 30 calling
STNGRP 31	Station group 31 calling
STNGRP 32	Station group 32 calling
STNGRP 33	Station group 33 calling
STNGRP 34	Station group 34 calling
STNGRP 35	Station group 35 calling
STNGRP 36	Station group 36 calling
STNGRP 37	Station group 37 calling
STNGRP 38	Station group 38 calling
STNGRP 39	Station group 39 calling
STNGRP 40	Station group 40 calling
STNGRP 41	Station group 41 calling*

MMC: 701

CALL STN GROUP

LCD Display	COS Option
STNGRP 42	Station group 42 calling*
STNGRP 43	Station group 43 calling*
STNGRP 44	Station group 44 calling*
STNGRP 45	Station group 45 calling*
STNGRP 46	Station group 46 calling*
STNGRP 47	Station group 47 calling*
STNGRP 48	Station group 48 calling*
STNGRP 49	Station group 49 calling*
STNGRP 50	Station group 50 calling*
STNGRP 51	Station group 51 calling*
STNGRP 52	Station group 52 calling*
STNGRP 53	Station group 53 calling*
STNGRP 54	Station group 54 calling*
STNGRP 55	Station group 55 calling*
STNGRP 56	Station group 56 calling*
STNGRP 57	Station group 57 calling*
STNGRP 58	Station group 58 calling*
STNGRP 59	Station group 59 calling*
STNGRP 60	Station group 60 calling*
STNGRP 61	Station group 61 calling*
STNGRP 62	Station group 62 calling*
STNGRP 63	Station group 63 calling*
STNGRP 64	Station group 64 calling*
STNGRP 65	Station group 65 calling*
STNGRP 66	Station group 66 calling*
STNGRP 67	Station group 67 calling*
STNGRP 68	Station group 68 calling*
STNGRP 69	Station group 69 calling*
STNGRP 70	Station group 70 calling*
STNGRP 71	Station group 71 calling*
STNGRP 72	Station group 72 calling*
STNGRP 73	Station group 73 calling*
STNGRP 74	Station group 74 calling*
STNGRP 75	Station group 75 calling*
STNGRP 76	Station group 76 calling*
STNGRP 77	Station group 77 calling*
STNGRP 78	Station group 78 calling*
STNGRP 79	Station group 79 calling*
STNGRP 80	Station group 80 calling*

MMC: 701

CALL TRK GROUP

LCD Display	COS Option
TRKGRP01	Trunk group 01 calling
TRKGRP02	Trunk group 02 calling
TRKGRP03	Trunk group 03 calling
TRKGRP04	Trunk group 04 calling
TRKGRP05	Trunk group 05 calling
TRKGRP06	Trunk group 06 calling
TRKGRP07	Trunk group 07 calling
TRKGRP08	Trunk group 08 calling
TRKGRP09	Trunk group 09 calling
TRKGRP10	Trunk group 10 calling
TRKGRP11	Trunk group 11 calling
TRKGRP12	Trunk group 12 calling
TRKGRP13	Trunk group 13 calling
TRKGRP14	Trunk group 14 calling
TRKGRP15	Trunk group 15 calling
TRKGRP16	Trunk group 16 calling
TRKGRP17	Trunk group 17 calling
TRKGRP18	Trunk group 18 calling
TRKGRP19	Trunk group 19 calling
TRKGRP20	Trunk group 20 calling
TRKGRP21	Trunk group 21 calling
TRKGRP22	Trunk group 22 calling
TRKGRP23	Trunk group 23 calling
TRKGRP24	Trunk group 24 calling
TRKGRP25	Trunk group 25 calling
TRKGRP26	Trunk group 26 calling
TRKGRP27	Trunk group 27 calling
TRKGRP28	Trunk group 28 calling
TRKGRP29	Trunk group 29 calling

CALL BIVMS GROUP

LCD Display	COS Option
VMSSTN01	SVM Port 01 calling
VMSSTN02	SVM Port 02 calling
VMSSTN03	SVM Port 03 calling
VMSSTN04	SVM Port 04 calling
VMSSTN05	SVM Port 05 calling
VMSSTN06	SVM Port 06 calling
VMSSTN07	SVM Port 07 calling
VMSSTN08	SVM Port 08 calling
VMSSTN09	SVM Port 09 calling

MMC: 701

CALL BIVMS GROUP

LCD Display	COS Option
VMSSTN10	SVM Port 10 calling
VMSSTN11	SVM Port 11 calling
VMSSTN12	SVM Port 12 calling
VMSSTN13	SVM Port 13 calling
VMSSTN14	SVM Port 14 calling
VMSSTN15	SVM Port 15 calling
VMSSTN16	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-8E CARD
SVMi-16E CARD

MMC: 702 TOLL DENY TABLE

DESCRIPTION:

Provides a way to make toll restriction (call barring) very easy and flexible. There are 500 entries in the deny table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as in-house only by default.

PROGRAM KEYS

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

WILD CARD KEY

DIAL	WILD CARD
A	X
B	Y
C	Z

ACTION	DISPLAY
1. Press TRANSFER 702. Display shows.	DENY(001):BCDEFG :000000
2. Dial index number 001-500 (e.g., 005) OR Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter toll pattern via dial pad (e.g., 212) OR Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.	DENY(005):BCDEFG :000000 DENY(005):BCDEFG 212 :000000 DENY(005):BCDEFG 21X :000000

MMC: 702

3. Press UP or DOWN key to move cursor along line until under toll class mark (e.g., E).
   Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1
   OR
   Press LEFT soft key to return to step 2.

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

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

DEFAULT DATA: **ALL ENTRIES ARE SET TO 0**

RELATED ITEMS: **MMC 301 ASSIGN STATION COS**
MMC 701 ASSIGN COS CONTENTS
MMC 703 TOLL ALLOWANCE TABLE
MMC 704 ASSIGN WILD CHARACTER

MMC: 703 TOLL ALLOWANCE TABLE

DESCRIPTION:

Provides a way to make toll restriction very easy and flexible. There are 500 entries in the allow table and each entry index can be assigned to a class of service. Each index can have up to 12 digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into toll restriction. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default, and toll level H is set as in-house only by default.

PROGRAM KEYS

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

WILD CARD KEY

DIAL	WILD CARD
A	X
B	Y
C	Z

ACTION	DISPLAY
1. Press TRANSFER 703. Display shows.	ALOW(001):BCDEFG :000000
2. Dial in index number 001-500 (e.g., 005) OR Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter toll pattern via dial pad (e.g., 212) OR Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.	ALOW(005):BCDEFG :000000 ALOW(005):BCDEFG 212 :000000 ALOW(005):BCDEFG 21X :000000

MMC: 703

3. Press UP or DOWN key to move cursor along line until under toll class mark (e.g., E).
   Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1
   OR
   Press LEFT soft key to return to step 2.

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

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

DEFAULT DATA: ALL ENTRIES ARE SET TO 0

RELATED ITEMS:
MMC 301 ASSIGN STATION COS
MMC 701 ASSIGN COS CONTENTS
MMC 702 TOLL DENY TABLE
MMC 704 ASSIGN WILD CHARACTER

MMC: 704 ASSIGN WILD CHARACTER

DESCRIPTION:

Provides flexibility to toll restriction (call barring) when a specific numbering plan is so desired. There are only three entry tables but more than one digit can be assigned per table if needed.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 704. Display shows.	:0123456789*# X:000000000000
2. Press UP or DOWN key to select X, Y, or Z (e.g., Z) and press RIGHT soft key to advance cursor to option line.	:0123456789 *# Z:000000000000
3. Press UP or DOWN key to move cursor to option digit desired (e.g., 5) and enter 1 (put under other digits as required). Press LEFT soft key to return to step 2 OR Press RIGHT soft key to return to step 1.	:0123456789 *# Z:000001000000
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **ALL ENTRIES SET TO 0**

RELATED ITEMS: MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE

MMC: 705 ASSIGN SYSTEM SPEED DIAL

DESCRIPTION:

Enables the assignment of system speed dialling numbers. There are up to 500 entries available for programming (see MMC 606) if SYSTEM SPEED DIAL MAX = 500 in MMC 861 or 950 available if SYSTEM SPEED DIAL MAX = 950 in MMC 861. Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 24 digits to be dialled. These dialled digits may consist of 0-9, ✱ and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPEAKER	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
B	Used to insert a flash code "F"
C	Used to insert a pause code "P"
D	Used to insert a pulse/tone conversion code "C"
E	Used to mask/unmask following digits - shows as "[" or "]"
F	Used to enter name for speed dial bin (see MMC 706)

ACTION	DISPLAY
1. Press TRANSFER 705. Display shows.	**SYS SPEED DIAL** **500:**
2. Dial speed index desired (e.g., 505) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**SYS SPEED DIAL** **505:**
3. Enter access code (e.g., 9/701) plus the phone number up to 24 digits (digits will scroll under) and press RIGHT soft key to return to step 2.	**SYS SPEED DIAL** **505:9-121223456789**
4. Press F key to toggle to MMC 706 step 3 to enter name.	**SYS SPEED NAME** **505:**

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, DS and ITP KEYSETS

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

1. When the character you want appears on the same dial pad key as the previous character, press UP to move the cursor one space to the right.
2. The # button can be used for the following special characters: #, space, &, !, : , ?, ., ,, %, $, -, <, >, /, = , [,], @, ^ , (,), _, +, {, }, |, ; , ", →, ', \.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 706. Display shows.	**SYS SPEED NAME** **500:**
2. Dial system speed entry number (e.g., 505) OR Press UP or DOWN to select entry number and press RIGHT soft key to move cursor.	**SYS SPEED NAME** **505:**

MMC: 706

3. Enter name using dial keypad and above table and press RIGHT soft key to return to step 2
   OR
   Press the F key to toggle to speed dial number to return to MMC 705, step 5.

```
SYS SPEED NAME
505:TELECOMS
```

```
SYS SPEED DIAL
505:
```

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

DEFAULT DATA: **NO NAMES**

RELATED ITEMS: MMC 606 ASSIGN SPEED BLOCK
MMC 705 ASSIGN SYSTEM SPEED DIAL

MMC: 707 AUTHORIZATION CODE

DESCRIPTION:

Enables the authorization feature on a per-class of service selection. There are 250 available entries. Authorization codes can be up to 10 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 707. Display shows.	AUTHOR.CODE (001) C:01
2. Dial code index number 1-250 (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
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 707

DEFAULT DATA: NONE

RELATED ITEMS: MMC 305 ASSIGN FORCED CODE

MMC: 708 ACCOUNT CODE

DESCRIPTION:

Enables the account code entry feature. There are 500 available entries for a 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
HOLD	Used to clear previous entry

ACTION	DISPLAY
1. Press TRANSFER 708. Display shows.	**ACCOUNT CODE** **001:**
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.	**ACCOUNT CODE** **005:**
3. Enter account code (maximum 12 digits) via dial keypad (e.g., 1234) and press RIGHT soft key to move cursor back to step 2.	**ACCOUNT CODE** **005:123456789012**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 305 ASSIGN FORCED CODE

MMC: 709 TOLL PASS CODE / SPECIAL CODE TABLE

DESCRIPTION:

This MMC provides a means to program three trunk code tables as described below.

PBX ACCESS CODE: This table contains up to five entries and is used to identify the trunk access codes needed for toll restriction to be properly applied when the system is used either behind a PBX or with CENTREX-supplied dial tone. Toll restriction will only be applied on trunks flagged as PBX in MMC 401 if a trunk access code entered in this table is dialed. Toll restriction will be applied to the digits following the trunk access code.

SPECIAL CODE: This table identifies to the system dialling rules the special feature codes used to activate central office custom calling features such as CID Block and call waiting disable. The special feature codes can be used on a per call basis without affecting LCR or toll restriction programming. There is a maximum of ten (10) entries available each of which may be up to four digits long. The four dialing rules that apply to the Special Code Table are as follows:

Rule 1. Toll restriction is only applied to digits following the entries in the Special Code Table. This eliminates toll restriction bypass with second dial tone central office features such as CID block (✱67).

Rule 2. LCR will only route calls based on the digits following the entries in the Special Code Table. This rule allows end user per call special code activation.

Rule 3. LCR modify digits tables will only delete digits following the Special Code Table entries. This allows central office features such as CID block to be used when LCR deletes digits. Can be used in Foreign Exchange (FX) routing by removing the 1+ area code..

Rule 4. LCR modify digits tables will only insert digits after the Special Code Table entries (MMC 718). This allows for central office features such as call waiting block to be activated but route the call with a specific PIC code such as 10288 (AT&T).

Example of Rule 4: User dials ✱67 1 305 529 2900, the system will seize a C.O. line and dial ✱67 10288 1 305 529 2900.

MMC: 709

TOLL OVERRIDE: This table of eight entries is used to identify to the system numbers that will bypass all dialing restrictions. This bypass includes Toll restriction, Trunk access and forced authorization or account codes. Each entry in the table can be up to 14 digits long.

OVRD USE TRK GRP: This entry designates the trunk group that override calls will access.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 709. Display shows.	**PBX ACCESS CODE** **1:**
2. Select PBX , SPECIAL CODE or TOLL OVERRIDE) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**TOLL OVERRIDE.** **1:**
2. Enter index number (e.g., 3) OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**TOLL OVERRIDE.** **3:_**
3. Enter via dial keypad the desired access/feature code (e.g., 911). Press RIGHT soft key to enter and return to step 2 and enter more entries.	**TOLL OVERRIDE.** **3:911**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 709

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 401 PBX TRUNK
MMC 702 TOLL DENY TABLE
MMC 703 TOLL ALLOWANCE TABLE
MMC 305 FORCED CODES

MMC: 710 LCR DIGIT TABLE

DESCRIPTION:

The LCR DIGIT TABLE contains all numerical digits for the completion of outgoing call placement. This table works in conjunction with LCR ROUTE TABLE, LCR TIME TABLE and LCR MODIFY DIGITS TABLE. There is a maximum of 500 entries for a system with a digit string length of 10 numerical digits. This system automatically maintains entered digit strings in numerical order. The characters ✱ and # are also accepted for use with feature codes.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 710. Display shows.	**LCR DIGIT (001)** **DIGIT:**
2. Dial LCR entry (e.g., 005) OR Press UP or DOWN to select entry and press RIGHT soft key to move cursor.	**LCR DIGIT (005)** **DIGIT: _**
3. Enter LCR digit string via the dial keypad and press RIGHT soft key OR Press LEFT soft key to return to step 1.	**LCR DIGIT (005)** **DIGIT:305426**
4. Enter digit length (01-31). Cursor will move to RT (route selection). Enter RT (1-32) OR Press LEFT soft key to return to length value. Valid entry will return you to step 1.	**LCR DIGIT (0005)** **LENGTH:10 RT:01**

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: **HHMM: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 16 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 1-16 (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 800-809 (e.g., 801)
   OR
   Press UP or DOWN to selected access code and press RIGHT soft key to move cursor.

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

6. Dial MODIFY DIGITS index number (e.g., 050)
   OR
   Press UP or DOWN to selected index number and press RIGHT soft key to move cursor
   OR
   Press RIGHT soft key to enter NO index number.

```
LCR ROUTE (05:2)
C:4 G:801  M:050
```

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

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

DEFAULT DATA: **NONE**

RELATED ITEMS: MMC 310 LCR CLASS OF SERVICE
MMC 710 LCR DIGIT TABLE
MMC 711 LCR TIME TABLE
MMC 713 LCR MODIFY DIGIT TABLE

MMC: 713 LCR MODIFY DIGIT TABLE

DESCRIPTION:

This program entry is also referred to as Outdial Rules. This will give the system the ability to add or delete a digit string or singular digit if needed to complete a call. A perfect example is the adding of a digit "1." An advantage is to insert a common carrier network access code of 1010288 (ATT®). With these digits inserted, a long distance call will be placed over a local line utilizing the common carrier network. The characters ✱ and # can also be entered. There are 100 modify digit entries available.

OPTION	MAXIMUM NUMBER OF DIGIT ENTRIES
Number of digits to delete	15
Insert (before dialing string)	14
Append (after dialing string)	14

DIGIT STRING KEY
Insert String + Digit String (delete) + Append String

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 713. Display shows.	LCR MODIFY (001) NOF DEL DGT:00
2. Enter index number (e.g., 005) OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	LCR MODIFY (005) NOF DEL DGT:00
3. Enter number of digits to delete OR Press RIGHT soft key to skip step and move cursor to next step.	LCR MODIFY (005) I:_

MMC: 713

4. Enter digits to be inserted (e.g., 1010288)
   OR
   Press RIGHT soft key to skip step or to store information and advance to next step.

```
LCR MODIFY (005)
I:1010288_
```

5. Enter digits to be appended (e.g., 45678)
   OR
   Press RIGHT soft key to skip step or to store information and return to step 2.

```
LCR MODIFY (005)
A:45678_
```

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

DEFAULT DATA: NONE

RELATED ITEMS: MMC 710 LCR DIGIT TABLE

MMC: 714 DID NUMBER AND NAME TRANSLATION

DESCRIPTION:

Assigns an incoming DID call to a specific ring plan destination. It also provides a call waiting option, if needed, so that a second incoming DID call can be received. The table is also used to define which MOH source a caller to that DID number will hear when placed on hold. An 11 character name can be added to the number. There are a maximum of 500 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).

   In addition to "TONE" or a music source, you may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last AA port on the SMISC4 AA card (e.g. 3958). If selected, the Music on Hold will be the message defined in MMC 736.

   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 "OLD FOLKS AT HOME":** This is entered as the directory number of the music source on the MCP(371).

   2.4 **EXTERNAL DEVICE:** Music Source or Digital announcer. This is entered as the directory number of an external music source.

   2.5 **DIGITAL ANNOUNCEMENT ON SMISC4 AA CARD:** This is entered as the directory number of the last AA port of an AA card. For further details on using an SMISC4 AA port as an MOH source please see MMC 736.

2.6 VOICE MAIL SOUND FILE: If the OfficeServ 100 system has an optional SVM card installed, up to 100 custom recorded sound files from the Voice Mail card can be used for MOH sources. Select the SVM port assigned in MMC 748. For information on creating the sound files see SVM System Administrator Manual-Recording greeting by number. If you select this option be advised that each VMMOH source requires a dedicated SVM port/channel.

3. PRI = DID priority option. There are 9 priority levels: priority 1 is the highest and priority 9 is the lowest.

   When calls arrives into a station group and group members are all busy the call is queued. The system will assign a priority to the DID number so that calls from a high priority DID number will be placed at the front of the group queue.

4. 1: XXX, 2: XXX, 3: XXX, 4: XXX, 5: XXX, 6:XXX = ring plan and destination during each ring plan. The destination can be a station, station group, trunk or trunk group. If trunk or trunk group is selected the trunks must be programmed as E&M trunks to allow the received digits to be re-sent on the facility(s). This is referred to as DID Repeat digits over tie line.

   NOTE: An entry of the character “B” means to repeat the received digits.

5. CW: Call waiting Yes/No . Allow a second DID call to be received

6. MC: This is the maximum number of simultaneous calls to this DID the system will allow. If more call attempts are made the system will return a busy signal to the caller.

7. DELETE: The number of digits to delete. This is useful with Tandem switching, mixed numbering plans and DID Repeat digits over tie line. Maximum number of digits that can be deleted is 16.

8. NAME: Input up to 11 characters to identify call.

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

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

9. TONE: Ring tone options for a specific DID number (No. 1~8).

10. CAD: Ring cadence options for a specific DID number at SLT’s (No. 1~5).

- ## DCS KEYSETS

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

MMC: 714

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 714. Display shows.	**DID DIGIT (001)** **DGT:**
2. Enter valid index number, e.g. 005, via dial keypad OR Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**DID DIGIT (005)** **DGT:**
3. Enter digits to be translated (e.g. 5065) via dial keypad and press RIGHT soft key to move cursor.	**DID DIGIT (005)** **DGT:5065**
4. Enter the MOH source for this entry. OR Press UP or DOWN key to select option. Press RIGHT soft key to return to step 3 above.	**DID DIGIT (005)** **MOH SOURCE:F-TRK**
5. Enter station or group number for each Ring Plan destination via dial keypad (e.g. 530) OR Press UP or DOWN key to make selection. Press RIGHT soft key to advance to next Ring Plan. Press RIGHT soft key to ENTER and move cursor.	**DID DIGIT (005)** **1:530 2:**
6. Press UP or DOWN key to make selection or select via dial pad 1 for YES, 0 for NO. Press RIGHT soft key to advance to the next step.	**DID DIGIT (005)** **CW:NO DELETE:0**

MMC: 714

7. Enter the number of digits to be deleted and press RIGHT soft key to return to step 1,
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

```
DID DIGIT  (005)
CW:YES    DELETE:0
```

DEFAULT DATA: NO ENTRIES

RELATED ITEMS: TRUNK PROGRAMMING

MMC: 715 PROGRAMMED STATION MESSAGE

DESCRIPTION:

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

Messages are written via the keypad. Each press of a key will select a character. Pressing a different key will move the cursor to the next position. For example, if the message is “Sunbathing,” press the number “7” three times to get the letter “S.” Now press the number “8” twice to get the letter “U.” Continue selecting characters from the table below to complete your message. Pressing the “A” key will change the letter from upper case to lower case.

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS**

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

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

There are 15 messages in a OfficeServ 100 system. They fall in the following categories:

MESSAGES 01-10 (16 character default messages): These are preprogrammed default messages. Any of them can be changed.

MESSAGES 11-15 on the system are 16 character blank messages that can be created.

NOTE: Each display keyset user can create 5 additional personal programmed messages, 16~20 using MMC 115.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
“A” KEY	Toggles from upper case to lower case

MMC: 715

ACTION	DISPLAY
1. Press TRANSFER 715. Display shows.	`PGM.MESSAGE (01)` `IN A MEETING`
2. Enter index number (e.g., 11) OR Press UP or DOWN arrow to make selection. Press RIGHT soft key to move cursor.	`PGM.MESSAGE (11)` `_`
3. Enter message via dial keypad using the above table (maximum 16 characters). Use "A" key to toggle upper case/lower case. Press RIGHT soft key to return to step 2.	`PGM.MESSAGE (11)` `SunBathing`
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: TEN PROGRAMMED MESSAGES AS DETAILED BELOW

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

RELATED ITEMS: MMC 115 SET PROGRAMMED MESSAGE

MMC: 717 MY AREA CODE

DESCRIPTION:

This MMC defines the home area code and country code for the OfficeServ 100 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. Inserting a 1 for the country will add a 1 in front of all numbers stored in the CID review log.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 717. Display shows.	MY AREA CODE AREA :
2. Enter 0 for COUNTRY or 1 for AREA. OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	MY AREA CODE COUNTRY: 1
3. Enter area code (maximum 4 digits) via dial keypad (e.g., 2) and press RIGHT soft key to move cursor back to step 2.	MY AREA CODE AREA :2
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: TRUNK PROGRAMMING

MMC: 718 AGENT ID CODE

DESCRIPTION:

This MMC defines UCD agent ID numbers or PIN numbers. These numbers are used to log UCD agents into the UCD groups. There are 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	DISPLAY
1. Press TRANSFER 718. Display shows.	AGENT PIN (001) ID: GRP:
2. Dial code entry number 001-300 (e.g., 005) OR Press UP or DOWN keys to select index number and press RIGHT soft key to move cursor.	AGENT PIN (005) ID:_ GRP:
3. Enter ID code via keypad (e.g. 1234) and press RIGHT soft key to move cursor.	AGENT PIN (005) ID:1234 :GRP:
4. Enter group number 501 to 519 (e.g., 505) OR Press UP or DOWN key to select group or press the ANS/RLS to select all UCD groups and press RIGHT soft key to select and return to step 2.	AGENT PIN (005) ID:1234 :GRP:505
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 607 UCD OPTIONS

MMC: 719 IDLE DISPLAY

DESCRIPTION:

This program allows the technician or system administrator to create 10 sixteen character messages (pieces of information) that can be viewed by users with an ITP-5012L model IP keyset. All 10 messages can be displayed simultaneously. The individual user must use MMC 120 to select idle display option as “INFORMATION”. The default setting is ‘CALENDAR”.

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

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

- **DCS KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	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, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 719.
   Display shows.

```
IDLE DISPLAY (01)
```

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

```
IDLE DISPLAY (02)
_
```

MMC: 719

3. Use the above table to enter guidance data. Press the RIGHT soft button to save the data.

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

DEFAULT DATA: **NONE**

RELATED ITEMS: **MMC 120 LARGE LCD OPTION**

MMC: 720 COPY KEY PROGRAMMING

DESCRIPTION:

Provides a tool for duplicating key assignment from one keyset to another. This can be done on a per-station basis or on all stations, but not on a group of stations. One limitation is that the original and target keysets must be of the same type (i.e. same number of buttons).

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 720. Display shows.	`[201] COPY KEY` `FROM:NONE`
2. Enter the station number to copy to (e.g., 205) OR Press UP or DOWN keys to make selection and press RIGHT soft key to move cursor.	`[205] COPY KEY` `FROM:NONE`
3. Enter station number to copy from (e.g., 203) and cursor returns to step 2 OR Press UP or DOWN keys to make selection.	`[205] COPY KEY` `FROM:203`
4. Press RIGHT soft key to return to step 2 OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 720

DEFAULT DATA: NONE

RELATED ITEMS: MMC 107 KEY EXTENDER
MMC 721 SAVE STATION KEY PROGRAMMING
MMC 722 STATION KEY PROGRAMMING
MMC 723 SYSTEM KEY PROGRAMMING

MMC: 721 SAVE STATION KEY PROGRAMMING

DESCRIPTION:

Provides a service tool which will minimize the accidental loss of programmable keys on the OfficeServ 100 electronic keysets. The method of operation is simple, first the data is saved and then the station can be replaced with another station type or the keys can be reprogrammed to other features. Once testing or replacement is completed, the data can be restored to the individual station, providing the same type is in place.

NOTE: This program is not to be confused with AUTO SET RELOCATE (MMC 315). This program is for saving and restoring the same electronic device type at that port.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 721. Display shows.	**[201] SAVE KEY** **RESTORE**
2. Enter desired station number (e.g., 205) OR Press UP or DOWN key to make selection and press RIGHT soft key.	**[205] SAVE KEY** **RESTORE**
3. Press UP or DOWN key to make function selection (e.g., SAVE).	**[205] SAVE KEY** **SAVE**
4. Press RIGHT soft key to enter and return to step 2 OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 721

DEFAULT DATA: **NONE**

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

MMC: 722 STATION KEY PROGRAMMING

DESCRIPTION:

Allows the customizing of programmable keys on specific electronic keysets, AOM, or 64 button module on the OfficeServ 100 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

PROGRAM KEYS

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

ACTION **DISPLAY**

1. Press TRANSFER 722.
   Display shows.

```
[201] KEY PROG.
01:CALL1 →
```

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

```
[205] KEY PROG.
01:CALL1 →
```

MMC: 722

3. Enter selected key number (e.g., 18)
   OR
   Press UP or DOWN key to select key number.
   Press RIGHT soft key to move cursor.

```
[201] KEY PROG.
18:NONE →_
```

4. Using above chart, press dial pad key number to make selection
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to advance cursor to step 5 to enter extender if required or to return to step 2.

```
[201] KEY PROG.
18:NONE →GPIK_
```

5. If required, enter extender (e.g.,03)
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to return to step 2.

```
[201] KEY PROG.
18:NONE →GPIK03
```

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

DEFAULT DATA: SEE BELOW

RELATED ITEMS: MMC 107 KEY EXTENDER
MMC 720 COPY KEY PROGRAMMING
MMC 721 SAVE STATION KEY PROGTRAMMING

- **DCS KEYSETS**

Default 24 Button Keyset with or without Display

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE
13:NONE	14:NONE	15:NONE	16:NONE	17:NONE	18:NONE
19:CONF	20:SPD	21:LNR	22:PAGE	23:CBK	24:MSG

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Default 12 Button Keyset

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

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 Keyset

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

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- **iDCS KEYSETS**

Default 28 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE
11:NONE	12:NONE	13:NONE	14:NONE	15:NONE
16:NONE	17:NONE	18:NONE	19:NONE	20:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 18 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 8 Button Keyset

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

Default 14 Button AOM

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

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Default 64 Button AOM

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

- **DS KEYSETS**

Default 21 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

Default 14 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE

Default 7 Button Keyset

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

- **ITP KEYSETS**

ITP-5121D

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

MMC: 722

ITP-5112L

01:CALL1	02:CALL2
03:NONE	04:NONE
05:NONE	06:NONE
07:MESSAGE	08:NONE
09:NONE	10:NONE
11:NONE	12:NONE
13:NONE	14:NONE
15:NONE	16:NONE
17:NONE	18:NONE
19:NONE	20:NONE
21:NONE	22:NONE
23:NONE	24:NONE
25:NONE	26:NONE
27:NONE	28:NONE
29:NONE	30:NONE
31:NONE	32:NONE
33:NONE	34:NONE
35:NONE	36:NONE
37:NONE	38:NONE
39:NONE	40:NONE
41:NONE	42:NONE
43:NONE	44:NONE
45:NONE	46:NONE
47:NONE	48:NONE
49:NONE	50:NONE
51:NONE	52:NONE
53:NONE	54:NONE
55:NONE	56:NONE
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

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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

AAPLAY: AUTO ATTENDANT PLAY*
AAREC: AUTO ATTENDANT RECORD*
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 [NOT USED]
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 [NOT USED]
CHOUT: CHECK OUT [NOT USED]
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 [NOT USED]
CS: CALL STATUS
CSNR: CALLER ID SAVE NUMBER REDIAL

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DGPALM:	EASYSET ALARM TO REMOTE STATION
DIR:	DIRECTORY
DIVERT:	EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK:	DOOR LOCK
DND:	DO NOT DISTURB
DNDO:	DO NOT DISTURB OVERRIDE
DP:	DIRECT PICKUP
DROP:	DROP
DS:	DSS KEY
DT:	DTS KEY
EP:	ESTABLISHED CALL PICKUP
EXTMIC:	EXTERNAL MICROPHONE
FAUTO:	FORCED AUTO ANSWER
FLASH:	FLASH
FWRD:	CALL FORWARD
GPIK:	GROUP PICKUP
HDSET:	HEADSET MODE
HLDPK:	HOLD PICKUP
HOLD:	HOLD
HOTEL:	HOTEL/MOTEL MULTI FUNCTION [NOT USED]
IG:	IN/OUT OF GROUP
INFDSP:	INFO DISPLAY
INQIRE:	INQUIRE (CID/ANI)*
ISPY:	CID/ANI SPY
LANREQ:	LAN REQUEST
LCR:	LEAST COST ROUTING
LISTN:	GROUP LISTENING
LNR:	LAST NUMBER REDIAL
LOG:	CALL LOGGING
MMPA:	MEET ME PAGE ANSWER
MMPG:	MEET ME PAGE
MS:	MANUAL SIGNALING
MSG:	MESSAGE
MUTE:	MUTE
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

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PAGE:	PAGE
PAGPK:	PICKUP PAGE HOLD
PARK:	CALL PARK ORBIT
PAUSE:	PAUSE
PMSG:	PROGRAMMED STATION MESSAGE
PRB:	PRIVACY RELEASE BRIDGE
PROG:	LIMITED PROGRAM
PTHR:	PATH REPLACEMENT
RB:	HOTEL/MOTEL REMOTE BILLING (LOBBY PHONE SVC) [NOT USED]
REJECT:	OHVA REJECT
RETRY:	AUTO REDIAL ON BUSY
REVW:	REVIEW (CID*/ANI)
RP:	RING PLAN
RSV:	HOTEL/MOTEL ROOM STATUS VIEW [NOT USED]
RTO:	RING TIME OVERIDE
SETDND:	SET DO NOT DISTURB AT ANOTHER PHONE
SETMG:	SET MESSAGE W/O RING
SG:	STATION GROUP
SLOCAT:	HOTEL/MOTEL STAFF LOCATOR FEATURE [NOT USED]
SNR:	SAVED NUMBER REDIAL
SP:	UCD SUPERVISOR
SPD:	SPEED DIAL
STATE:	SET EXECUTIVE STATE
SPKR:	SPEAKER
STORE:	STORE DISPLAYED NUMBER (CID*/ANI)
SYSALM:	SYSTEM ALARMS
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**
VMMSG:	VOICE MAIL MESSAGE KEY**
VT:	VOICEMAIL TRANSFER
WAKE UP:	WAKE UP
XCHIN:	HOTEL/MOTEL EXPRESS CHECK IN FEATURE [NOT USED]

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
12 DS-07S

PROGRAM KEYS

UP & DOWN Used to scroll through options
KEYPAD Used to enter selections

MMC: 723

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 723. Display shows.	TYPE:24 BTN SETS 01:CALL1 →
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.	TYPE:24 BTN SETS 01:CALL1 →
3. Enter key number (e.g., 18) OR Press UP or DOWN key to make selection and press RIGHT soft key.	TYPE:24 BTN SETS 18:DS →
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.	TYPE:24 BTN SETS 18:DS →GPIK
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.	TYPE:24 BTN SETS 18:DS →GPIK03
6. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

MMC: 723

DEFAULT DATA:

- **DCS KEYSETS**

Default 24 Button Keyset with or without Display

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE
13:NONE	14:NONE	15:NONE	16:NONE	17:NONE	18:NONE
19:CONF	20:SPD	21:LNR	22:PAGE	23:CBK	24:MSG

Default 12 Button Keyset

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

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 Add-On Module

01:DS	02:DS	03:DS	04:DS
05:DS	06:DS	07:DS	08:DS
09:DS	10:DS	11:DS	12:DS
13:DS	14:DS	15:DS	16:DS
17:DS	18:DS	19:DS	20:DS
21:DS	22:DS	23:DS	24:DS
25:DS	26:DS	27:DS	28:DS
29:DS	30:DS	31:DS	32:DS
33:DS	34:DS	35:DS	36:DS
37:DS	38:DS	39:DS	40:DS
41:DS	42:DS	43:DS	44:DS
45:DS	46:DS	47:DS	48:DS
49:DS	50:DS	51:DS	52:DS
53:DS	54:DS	55:DS	56:DS

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

Default 7 Button Keyset

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

- **iDCS KEYSETS**

Default 28 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE
11:NONE	12:NONE	13:NONE	14:NONE	15:NONE
16:NONE	17:NONE	18:NONE	19:NONE	20:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 18 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:MESSAGE
06:NONE	07:NONE	08:NONE	09:NONE	10:NONE

21:NONE	25:NONE
22:NONE	26:NONE
23:MEMORY	27:REDIAL
24:TRANSFER	28:SPEAKER

Default 8 Button Keyset

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

MMC: 723

Default 14 Button Add-On Module

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 Add-On Module

01:DS	02:DS	03:DS	04:DS
05:DS	06:DS	07:DS	08:DS
09:DS	10:DS	11:DS	12:DS
13:DS	14:DS	15:DS	16:DS
17:DS	18:DS	19:DS	20:DS
21:DS	22:DS	23:DS	24:DS
25:DS	26:DS	27:DS	28:DS
29:DS	30:DS	31:DS	32:DS
33:DS	34:DS	35:DS	36:DS
37:DS	38:DS	39:DS	40:DS
41:DS	42:DS	43:DS	44:DS
45:DS	46:DS	47:DS	48:DS
49:DS	50:DS	51:DS	52:DS
53:DS	54:DS	55:DS	56:DS
57:DS	58:DS	59:DS	60:DS
61:DS	62:DS	63:DS	64:DS

- **DS KEYSETS**

Default 21 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

MMC: 723

Default 14 Button Keyset

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE

Default 7 Button Keyset

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

- **ITP KEYSETS**

ITP-5121D

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:NONE	07:MESSAGE
08:NONE	09:NONE	10:NONE	11:NONE	12:NONE	13:NONE	14:NONE
15:NONE	16:NONE	17:NONE	18:NONE	19:NONE	20:NONE	21:NONE

ITP-5112L

01:CALL1	02:CALL2
03:NONE	04:NONE
05:NONE	06:NONE
07:MESSAGE	08:NONE
09:NONE	10:NONE
11:NONE	12:NONE
13:NONE	14:NONE
15:NONE	16:NONE
17:NONE	18:NONE
19:NONE	20:NONE
21:NONE	22:NONE
23:NONE	24:NONE
25:NONE	26:NONE
27:NONE	28:NONE
29:NONE	30:NONE
31:NONE	32:NONE
33:NONE	34:NONE
35:NONE	36:NONE
37:NONE	38:NONE
39:NONE	40:NONE
41:NONE	42:NONE
43:NONE	44:NONE
45:NONE	46:NONE

47:NONE	48:NONE
49:NONE	50:NONE
51:NONE	52:NONE
53:NONE	54:NONE
55:NONE	56:NONE
57:NONE	58:NONE
59:NONE	60:NONE
61:NONE	62:NONE
63:NONE	64:NONE
65:NONE	66:NONE
67:NONE	68:NONE
69:NONE	70:NONE
71:NONE	72:NONE
73:NONE	74:NONE
75:NONE	76:NONE
77:NONE	78:NONE
79:NONE	80:NONE
81:NONE	82:NONE
83:NONE	84:NONE
85:NONE	86:NONE
87:NONE	88:NONE
89:NONE	90:NONE
91:NONE	92:NONE
93:NONE	94:NONE
95:NONE	96:NONE
97:NONE	98:NONE
99:NONE	

Programmable Key Assignments

AAPLAY: AUTO ATTENDANT PLAY*
AAREC: AUTO ATTENDANT RECORD*
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 [NOT USED]
BLOCK: OHVA BLOCK

MMC: 723

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 [NOT USED]
CHOUT:	CHECK OUT [NOT USED]
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 [NOT USED]
CS:	CALL STATUS
CSNR:	CALLER ID SAVE NUMBER REDIAL
DGPALM:	EASYSET ALARM TO REMOTE STATION
DIR:	DIRECTORY
DIVERT:	EXECUTIVE CALL DIVERT TO SECRETARY
DLOCK:	DOOR LOCK
DND:	DO NOT DISTURB
DNDO:	DO NOT DISTURB OVERRIDE
DP:	DIRECT PICKUP
DROP:	DROP
DS:	DSS KEY
DT:	DTS KEY
EP:	ESTABLISHED CALL PICKUP
EXTMIC:	EXTERNAL MICROPHONE
FAUTO:	FORCED AUTO ANSWER
FLASH:	FLASH
FWRD:	CALL FORWARD
GPIK:	GROUP PICKUP
HDSET:	HEADSET MODE
HLDPK:	HOLD PICKUP
HOLD:	HOLD
HOTEL:	HOTEL/MOTEL MULTI FUNCTION [NOT USED]
IG:	IN/OUT OF GROUP
INFDSP:	INFO DISPLAY
INQIRE:	INQUIRE (CID/ANI)*
ISPY:	CID/ANI SPY
LANREQ:	LAN REQUEST
LCR:	LEAST COST ROUTING

MMC: 723

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: HOTEL/MOTEL REMOTE BILLING (LOBBY PHONE SVC) [NOT USED]
REJECT: OHVA REJECT
RETRY: AUTO REDIAL ON BUSY
REVW: REVIEW (CID*/ANI)
RP: RING PLAN
RSV: HOTEL/MOTEL ROOM STATUS VIEW [NOT USED]
RTO: RING TIME OVERIDE
SETDND: SET DO NOT DISTURB AT ANOTHER PHONE
SETMG: SET MESSAGE W/O RING
SG: STATION GROUP
SLOCAT: HOTEL/MOTEL STAFF LOCATOR FEATURE [NOT USED]
SNR: SAVED NUMBER REDIAL
SP: UCD SUPERVISOR
SPD: SPEED DIAL
STATE: SET EXECUTIVE STATE
SPKR: SPEAKER

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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**
VMMSG:	VOICE MAIL MESSAGE KEY**
VT:	VOICEMAIL TRANSFER
WAKE UP:	WAKE UP
XCHIN:	HOTEL/MOTEL EXPRESS CHECK IN FEATURE [NOT USED]

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. 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	This is where AA/VoiceDial port directory numbers are changed or assigned
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	This is where directory numbers for BRI ports. MMC 427 is to assign as stations or trunks.

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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

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

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.

```
STN NUM PLAN :C1
S2-P01:201 →
```

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

```
FEAT NUMBER PLAN
ABAND :64   →
```

3. Press UP or DOWN key to make selection
   OR
   Dial letters of feature name (e. g., 71).

```
FEAT NUMBER PLAN
ABAND :64   →
```

4. Then press RIGHT soft key to advance cursor.

```
FEAT NUMBER PLAN
PAGE  :NONE→_
```

   Enter desired directory number digits (e.g., 55) via the dial keypad.

```
FEAT NUMBER PLAN
PAGE  :NONE→55_
```

5. Press LEFT soft key to enter change and continue to make changes.

```
FEAT NUMBER PLAN
PAGE :NONE   →55
```

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

DEFAULT DATA: SEE BELOW

STN NUM PLAN:	**201 ~ 2xx**		
TRK NUM PLAN:	**701 ~ 7xx**		
AA/VD NUMPLAN:	**3951 ~ 39xx**		
MISC NUM PLAN:			
KSU	**BASE 17**	**371**	**MOH SOURCE (Internal Chime /External MOH)**
	BASE 18	**361**	**PAGE TIP AND RING**
SMISC 3 / SMISC 4	**MISC05**	**372**	**2nd MOH SOURCE**
	MISC06	**362**	**2nd PAGE TIP AND RING**
	MISC07	**363**	**RELAY 1**
	MISC08	**364**	**RELAY 2**
	MISC09	**365**	**RELAY 3**
	MISC10	**3998**	**ALARM PORT**
STNG NUMBER PLAN:	**501 ~ 5xx**		
TRKG NUMBER PLAN:	**9, 800 ~ 8xx**		
FEAT NUMBER PLAN:	**ABAND**	**64**	
	ABW	**NONE**	
	ACCT	**47**	
	ALMCLR	**NONE**	
	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
	FAUTO	14
	FLASH	49
	FWD	60
	GCONF	NONE
	GRPK	66
	HDSET	NONE
	HLDPK	12
	HOLD	11
	HOTEL	NONE
	IG	NONE
	INFDSP	NONE
	LCR	NONE
	LISTN	NONE
	LNR	19
	LOG	NONE
	MMPA	NONE
	MMPG	NONE
	MSG	43
	MYGRPK	NONE
	NEW	18
	NOCLIP	NONE
	OHVA	NONE
	OPER	0
	PAGE	NONE
	PAGPK	10
	PARK	NONE
	PMSG	48
	PTHR	NONE
	RB	NONE
	REJECT	NONE

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	RP	NONE
	RSV	NONE
	RTO	NONE
	SETMG	41
	SLOCAT	NONE
	SLTALM	NONE
	SLTMMC	15
	SNR	17
	SPEED	16
	SRELOC	NONE
	STATE	NONE
	UA	67
	VMADM	NONE
	VMAME	NONE
	VMMEMO	#
	VMMSG	NONE
	WAKEUP	NONE
	WCOS	59
BRI STN NUM PLAN:	8701~	
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 ~	

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.

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.

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, DS and ITP KEYSETS**

COUNT	1	2	3	4	5
DIAL 0	<	>	.	)	0
DIAL 1	space	?	,	!	1
DIAL 2	A	B	C	@	2
DIAL 3	D	E	F	#	3
DIAL 4	G	H	I	$	4
DIAL 5	J	K	L	%	5

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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

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 : YES
```

7. If option 4 is selected at step 2.

```
AUTHORIZE CODE
PRINT : NO
```

8. If option 5 is selected at step 2.

```
SMDR START TIME
PRINT : YES
```

9. If option 6 is selected at step 2.

```
IN/OUT GROUP
PRINT : NO
```

10. If option 7 is selected at step 2.

```
DND CALL
PRINT : NO
```

11. If option 8 is selected at step 2.

```
WAKE-UP CALL
PRINT : YES
```

12. If option 9 is selected at step 2.

```
DIRECTORY NAME
_
```

12a. Enter the 16-character name as described above.

```
DIRECTORY NAME
TELECOMS DCS
```

12b. Press RIGHT soft key to save name and return to step 2.

```
DIRECTORY NAME
TELECOMS DCS
```

13. If option 10 is selected at step 2.

```
CALLER ID DATA
PRINT : YES
```

14. If option 11 is selected at step 2.

```
ABANDON CALL
PRINT : YES
```

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 100 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 100 system will not send station data in the DN1 field.

TRUNK FOR DN1: If set to yes, when the voice mail auto attendant system answers a call the OfficeServ 100 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 100 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 100 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 100 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 100 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 100 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 100 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.

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.

TONES	VALUE
0. DIAL TONE	BA
1. BUSY TONE	4
2. RNGBACK TONE	5
3. DND NO MORE	6
4. HDSET ANSWER	3
5. SPKER ANSWER	2

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:
[ ]+[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)

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A call (702) recalls back from station 225 to the VM/AA group:
[#]+[225]+[x]+[702]
In the above example, if recall and DN2/CO information are turned off:
[ ]+[ ]+[ ]+[ ] (Nothing is sent)

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.	**EXT FOR DN1** **YES**
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.	**SEPERATOR** **NO**
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.	**SEPERATOR** **YES**
4. If option 0 is selected at step 2.	**EXT FOR DN1** **YES**
5. If option 1 is selected at step 2.	**TRK FOR DN1** **YES**
6. If option 2 is selected at step 2.	**EXT FOR DN2** **NO**
7. If option 3 is selected at step 2.	**TRK FOR DN2** **NO**

8. If option 4 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C).

```
SEPERATOR
NO
```

9. If option 5 is selected at step 2
(A valid entry consists of digits 0–9 or alpha characters A–C).

```
DISCONECT SIGNAL
C
```

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 : NO
```

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
DIAL TONE     :B
```

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.

DISPLAY

```
MCP VERSION
2004.11.08.V2.44
```

```
SCP VERSION
2004.11.08.V1.00
```

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 500 entries for a OfficeServ 100 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 ~.

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• iDCS, DS and ITP KEYSETS

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

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

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 728. Display shows first entry.	**TRANSLATION(001)** **DIGIT:**
2. Dial entry number (e.g. 005) OR Use UP and DOWN to scroll through entries. Press RIGHT soft key to select entry.	**TRANSLATION(005)** **DIGIT:**
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.	**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	DISPLAY
1. Press TRANSFER 729. Display shows COST RATE and FIRST INTERVAL DURATION.	COST RATE [1] 1ST DUR:000

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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

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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.	COST DP (001) DIGIT:
2. Dial CALL COST entry (e.g., 005) OR Press UP or DOWN to select entry and press RIGHT soft key to move cursor.	COST DP (005) DIGIT:
3. Enter digit string via the dial keypad and press RIGHT soft key.	COST DP (005) DIGIT:1305
4. Enter DIAL PLAN (0–8). Press LEFT soft key to return to step 3 or RIGHT soft key to go to step 2.	COST DP (005) CALL RATE: 3
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 317 CALL COST DISPLAY OPTION
MMC 422 COST RATE
MMC 729 RATE CALCULATION TABLE

MMC: 731 AA RAM CLEAR

DESCRIPTION:

Used for clearing the AA RAM. Through this MMC, the system only accepts the first port as a port field and LCD shows its selection. This will erase the whole message that has been programmed previously on the selected card.

ACTION	DISPLAY
1. Press TRANSFER 731. Display shows.	[3951] RAM CLEAR CLR RECORDED?NO
2. Dial AA number (e.g. 3951) OR Press UP or DOWN to make selection and press RIGHT soft key.	[3951] RAM CLEAR CLR RECORDED?NO
3. Dial 0 (No) or 1 (Yes) OR Press UP or DOWN to make selection and press RIGHT soft key.	[3951] RAM CLEAR CLR RECORDED?YES
4. Dial 0 (No) or 1 (Yes) to confirm selection OR Press UP or DOWN to make selection and press RIGHT soft key.	[3951] RAM CLEAR ARE YOU SURE?NO
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: MMC 224 WAKE UP AA

MMC: 732 AA TRANSLATION TABLE

DESCRIPTION:

AA translation tables are responsible for routing calls based on digits dialed. There are 12 translation tables available. Each table can be assigned to one or more plans in MMC 733 Auto Attendant Plan Programming. A translation table consists of a number of entries. Each entry number has two fields to program: the first field is for the digits received by the caller and the second field is for the destination or action.

Translation tables 1-12 have 100 entries each. The destination field can be a station number, station group or another plan. Plans are entered by pressing special key A plus two digits 01– 12. If a voice mail group is entered, the call will be transferred to the voice mail system with the appropriate in band digit packet to indicate a Forward All call from the station number dialed by the caller.

The digits defined in the first field of this MMC [dialed digits] must be a valid station number.

If the digits programmed as a destination are a voice mail port the voice mail port will receive an in band packet of DTMF equal to [FWD from EXTENSION NUMBER DIALED].

There are a number of special characters that are used in translation tables. They are as follows:

* = Used to represent any digit.

P = (Special Key A) Plan. Used to assign a plan as a destination (P01–P12).

B = (Special Key B) Buffer. When used in the destination field, transfers the call to the same extension as the digits dialed by the caller.

C = (Special Key C) Change greeting or Ring Plan.

D = Direct to Voice Mail.

DESTINATION :

Consider the following entry examples.

DIGITS	DEST	COMMENTS
0	0	Caller will be transferred to 0.

DIGITS	DEST	COMMENTS
2**	B	If a caller dials any three digit extension number beginning with 2, the call will be transferred to the extension number dialed.
48#2	C	If a caller dials 48#2, the current plan's greeting may be changed. 48#2 is essentially a special passcode for changing the current greeting or ring plan.
1	526	If a caller dials 1, the call will be transferred to group 526.
5	P08	If a caller dials 5, the call will be transferred to plan 08.

NOTE: Number conflicts like 2 and 23 or 56 and 567 are not allowed in translation table programming.

The following applies to the OfficeServ 100 system:

Entries in the translation table will also provide the following features which are useful if a mailbox owner does not have a telephone on the system, but does have a SVM voice mailbox.

If a caller dials # + nnn he will leave a message directly in the mailbox specified in the destination.

If a caller dials * + nnn he will log into the mailbox specified in the destination.

If the translation table contains an entry like nnn = D callers dialing nnn will leave a message directly in the mailbox specified in the destination.

NOTES ABOUT CHANGING RING PLANS AND ALTERNATE GREETING:

MANUAL SERVICE

1. When the OfficeServ 100 phone system changes ring plans, the AA greetings will also change as programmed in MMC 733.
2. When the AA alternate greeting passcode is entered the caller may input a digit to change the ring plan. This means that a customer who wants to put the system in a different ring plan can call in remotely and do it.
3. When the alternate greeting passcode is entered, the system will allow to select a ring plan. If a RP (ring plan) key is programmed on the OfficeServ 100 it will FLASH. The normal status of this light in a ring plan is on steady. A flashing RP key corresponding to the ring plan indicates the remote ring plan has been set. If a RTO key is available it will also flash.

4. If the alternate greeting is not activated but the ring plan is changed the OfficeServ 100 system will remain in the selected ring plan until the next scheduled ring plan change. If the alternate greeting is activated the OfficeServ 100 system will remain in the existing ring plan or the selected ring plan until the alternate greeting is manually deactivated.

5. To implement ring plan changes and /or the alternate greeting the caller must enter the number or "passcode" that implements the special key program. After the passcode is entered the caller must enter 2 digits. The first digit selects the desired ring plan to change to (1-6) or 0 for no change. The second digit activates the alternate message. 0 for no alternate message or 1 for alternate message.

Example: Caller dials into the OfficeServ 100 and is answered by the AA card. The caller then input the special code or "password" 48#2. The caller then dials 3 to select ring plan 3 and then dials 1 to turn on the alternate greeting. The OfficeServ 100 system now ring according to ring plan 3. Ring plan 3 is directed to the AA card and the caller is now answered by the alternate greeting.

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 732. Display shows.	**AA TRANS TB(01)** **001:0 → 500**
2. Dial TABLE number (01 - 12, e.g. 02) OR Press UP or DOWN key to select and press RIGHT soft key.	**AA TRANS TB(02)** **001: →**
3. Dial ENTRY number (01 - 25 or 001 - 100, e.g. 002) OR Press UP or DOWN key to select and press RIGHT soft key.	**AA TRANS TB(02)** **002: →**

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4. Enter Dial DIGIT and press RIGHT soft key.

```
AA TRANS TB(02)
002:2**__   →
```

5. Enter Destination
   OR
   Press UP or DOWN key to select and press RIGHT soft key.

```
AA TRANS TB(02)
002:2**    → 201
```

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

DEFAULT DATA: **PLAN 01 ALLOWS TRANSFER TO STN AND GROUP NUMBERS ALL OTHER PLANS ARE EMPTY**

RELATED ITEMS: **MMC 733 AUTO ATTENDANT PLAN PROGRAMMING**
MMC 406 TRUNK RING
MMC 507 RING PLAN TIME

MMC: 733 AA PLAN TABLE

DESCRIPTION:

Used to program each AA plan. A plan is a module that processes a call. There are twelve plans available in each AA card. Each plan can route a caller to any group, extension or another plan. Each port can answer calls with a different plan as defined in MMC 735.

This MMC includes options to select messages to play to a caller. These messages can be as follows:

MESSAGES 01–48

These can be created using the AAREC soft key (programmed on keysets by using MMC 722 or 723). A total of two minutes of message time is available.

MESSAGES 49–64

These are pre-programmed as follows:

49 “Thank you for calling, please dial your party’s extension number.”
50 “Invalid number, please try again.”
51 “I’m sorry, there is no answer.”
52 “I’m sorry, that station is busy.”
53 “One moment please.”
54 “Transferring.”
55 “I’ll transfer you.”
56 “Good-bye.”
57 “Thank you.”
58 “Please hold for the operator.”
59 “Please hold for assistance.”
60 “Thank you, good-bye.”
61 “I’m sorry, all stations are presently busy.”
62 “I’m sorry, all stations are still busy.”
63 “Please call back later.”
64 “I’m sorry, not a valid selection.”

PLAN MESSAGE (RING PLANS 01-06)

This is the message that will be heard by the caller when the AA port answers a call if the telephone system is in a particular ring mode or if another message has been selected by the AA administrator. This message has a default selection of AA ROM message number 49 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

ALTERNATE MESSAGE

This is the message that will be heard by the caller when the AA port answers a call if this message has been selected by the AA administrator. This message has a default selection of 49 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

INVALID MESSAGE

Determines what message will play if the caller dials invalid digits repeatedly until the retry counter expires. Invalid digits are digits not contained in the translation table for this plan. The invalid message will repeat for the value contained in the retry counter. This message has a default selection of ROM message 64 but it can be replaced with a customised message (01–48) or with any other ROM message (49–64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO ANSWER MESSAGE

Determines what message will play if the caller is recalled to the AA port because of a no answer. This message has a default selection of ROM message number 51 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

TRANSFER MESSAGE

Determines what message will play if the caller is transferred. This message has a default selection of ROM message number 53 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

BUSY MESSAGE

Determines what message will play if the caller selects a busy station. This message has a default selection of ROM message number 52 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). For

instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO STATION MESSAGE

Determines what message will play if the caller dials an invalid extension (not installed). This message has a default selection of ROM message number 50 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64). This retry message will repeat for the value contained in the retry counter. See Retry Count. For instructions on how to create these recordings see Special Applications, Auto Attendant/Uniform Call Distribution.

NO ACTION MESSAGE

Determines what message will play if the caller does not act. This message has a default selection of ROM message number 59 but it can be replaced with a customized message (01–48) or with any other ROM message (49–64).

CAMP-ON

Determines if calls will be transferred to busy stations. Calls transferred to busy stations will be camped-on. The default value is OFF.

ANSWER DELAY

Sets how many rings will occur before this plan answers a call. The default value is 01 second.

RETRY COUNT

Determines how many selection errors a caller may make before being transferred to the invalid digits destination. The default value is 3.

TRANSLATION TABLE

Determines what translation table this plan will use (see MMC 732 Auto Attendant Trans Table). The default translation table is 01.

BUSY DESTINATION

Determines the destination for the call if the selected destination is busy. This can be another station, station group or plan. Plans are entered by pressing special key A plus two digits 01–12. The default value is 500.

NO ANSWER DESTINATION

Determines the destination for the call if the selected destination does not answer. This can be another station, station group or plan. Plans are entered by pressing special key A plus two digits 01–12. The default value is 500.

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NO ACTION DESTINATION

Determines the destination for the call if the caller makes no response (this is also the destination for rotary dial callers). This can be another station, station group or plan. Plans are entered by pressing key special key A plus two digits 01–12. The default value is 500.

INVALID DESTINATION

Determines the destination for the call if the caller dials invalid digits after the retry counter has expired. This destination can be another station (within a network), station group (within a network) or plan. Plans are entered by pressing special key A plus two digits 01–12. The default value is 500.

NOTE ABOUT TRUNK SIGNALLING

UCD is designed to hold a call until an agent is available. It is therefore essential that a customer gets a disconnect from the C.O. when a caller hangs up. If not the call may be held in the UCD loop until answered. This could be a long time, and when an agent finally does answer there would be no one there.

It is common for T1 to be configured without disconnect signal on loop start circuits. Therefore to insure that your customer will not have trunks lock up (kept busy by the AA card) after callers hang up, the dealer should order ground start circuits on T1 or have the provider engineer the circuits to send loop disconnect on loop start circuits.

It is also common for analogue circuits to be Multiplexed on a carrier like a SLC 96 (Subscriber Loop Carrier, 96 channels - Pronounced SLICK 96) These may also lack a positive disconnect. Note that it may not be immediately apparent if an analogue line is delivered over a SLC, as they will look like regular copper tip and rings at the demark. When in doubt verify the disconnect with a meter.

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 733. Display shows.	**AA PLAN PROG(01)** **PLAN MSG1 :**

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2. Press UP to select plan or use dial pad to select an AA plan
   OR
   Press the RIGHT soft key to move cursor.

```
AA PLAN PROG(05)
PLAN MSG1:
```

3. Press UP to select a ring plan or other option. Use dial pad to select an ring plan (e.g. 02).
   Press RIGHT soft key to move cursor.

```
AA PLAN PROG(05)
PLAN MSG1 :02
```

4. Press UP key or use the dial pad to select a ring plan (e.g. 02) and return to step 2
   OR
5. Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

```
AA PLAN PROG(05)
PLAN MSG1 :02
```

DEFAULT DATA: **AS ABOVE**

RELATED ITEMS: MMC 406 TRUNK RING
MMC 507 RING PLAN TIME
MMC 732 AUTO ATTENDANT TRANS TABLE

MMC: 734 AUTO ATTENDANT MESSAGE MATCH

DESCRIPTION:

It is possible to make 48 customized recordings on the AA ports of the AA card. For instructions on how to create these recordings, see User Instructions, Auto Attendant and Uniform Call Distribution System Administration.

It is important to understand the difference between recordings and messages. For example, you have customized recording 01 as “Thank you for calling” and you have customized recording #02 as “One moment please.” By default, message 01 is recording 01. When message 01 is selected as part of AA or UCD programming, the caller hears “thank you for calling” (recording 01). When message 02 is selected, the caller hears “one moment please” (recording 02). If you need a new message that says “thank you for calling, one moment please,” you can record this as recording 03 and play it as message 03 but this uses some of the RAM storage on the AA card. An easier way is to link recordings 01 and 02 to produce message 03.

This is the purpose of this MMC. We simply tell the system that message 03 equals recording 01 plus recording 02. In this MMC, the top line of the keyset display indicates a message number and the bottom line indicates the recording numbers.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 734. Display shows.	`AA MSG MATCH(01)` `01`
2. Press UP to select MSG to program.	`AA MSG MATCH(05)` `05`
3. Press RIGHT soft key and enter one or more recording numbers.	`AA MSG MATCH(05)` `26+14+45+12+02`

MMC: 734

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

DEFAULT DATA: **EACH MESSAGE IS EQUAL TO THE CORRESPONDING RECORDING**

RELATED ITEMS:
MMC 224 WAKE UP AA
MMC 607 UCD OPTIONS
MMC 733 AUTO ATTENDANT PLAN PROGRAMMING
MMC 736 SET AUTO ATTENDANT MUSIC ON HOLD

MMC: 735 AA USE TABLE

DESCRIPTION:

Determines what plan will answer each call. Each AA is assigned a specific plan and each AA group assigned in MMC 601 is assigned a specific plan. When a call is received by an AA port, the appropriate plan will answer the call depending on the port or group that was called.

NOTE: You are not programming what port answers, but what port is called.

The following example shows how flexible this system is:

AA PORT OR GROUP	AA PLAN TO ANSWER
3951	PLAN 01
3952	PLAN 02
3953	PLAN 03
AA GROUP 510 (3951, 3952, 3953)	PLAN 04
AA GROUP 511 (3951, 3952)	PLAN 05
AA GROUP 512 (3953, 3954)	PLAN 06

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 735.
   Display shows first AA group eg. 510.

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

2. Press UP to select AA group or AA ports
   OR
   Dial the group or port using the dial pad.

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

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3. Press RIGHT soft key and enter plan number to answer with.

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

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

DEFAULT DATA: **ALL PORTS = PLAN 01**

RELATED ITEMS: MMC 601 ASSIGN STATION GROUP
MMC 733 AUTO ATTENDANT PLAN PROGRAMMING

MMC: 736 ASSIGN AA MOH

DESCRIPTION:

Used to define what message 01–48 plays as a Music on Hold (MOH) source if selected in MMC 309 or 409. This message will repeat continuously. Only the last AA port on an SMISC4 AA card can be used as a MOH source. This MMC assigns a message number to the last port of each card. This MMC must be programmed before AA/MOH data can be assigned in MMCs 309, 408 and 607.

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 736. Display shows.	[3958]SET AAMOH MOH MSG:NONE
2. Press UP to select AA port.	[3958]SET AAMOH MOH MSG:NONE
3. Press RIGHT soft key and enter MSG number.	[3958]SET AAMOH MOH MSG:33
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS:
- MMC 224 WAKE UP AA
- MMC 309 ASSIGN STATION MUSIC ON HOLD
- MMC 409 TRUNK STATUS READ
- MMC 607 UCD OPTIONS

MMC: 737 AA PLAY GAIN

DESCRIPTION:

Because the volume level of C.O. lines can vary according to the central office and the subscribers distance from it. This MMC will adjust the SMISC4 AA card playback volume.

The value of the pre recorded messages and the user customized messages may be adjusted individually for each port. The Values are from 1 to 4 with 4 being the loudest.

Before changing this verify that your C.O. lines are within specification.

PROGRAM KEYS

UP & DOWN	Used to scroll through all available AA ports
KEYPAD	Used to enter gain values
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 737. Display shows.	[3951]AA GAIN USER: 3 PRE: 3
2. Use UP and DOWN to select AA port number OR press RIGHT soft key.	[3951]AA TX GAIN USER: 3 PRE: 3
3. Enter new value for pre recorded message volume.	[3951]AA TX GAIN USER: 3 PRE: 4
4. Enter new value for user recorded message volume.	[3951]AA TX GAIN USER: 3 PRE: 4
5. Press TRANSFER to exit.	

DEFAULT DATA: LEVEL 3

RELATED ITEMS: NONE

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)

NOTE:

If during any test procedures you need to run the OfficeServ 100 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	DISPLAY
1. Press TRANSFER 740. Display shows.	VM CARD RESTART DOWNLOAD ? YES
2. Dial 0 or 1 to set option and advance.	
3. Display shows.	VM CARD RESTART CARD RESTART?NO
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.	

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

RELATED ITEMS: NONE

MMC: 741 ASSIGN 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 529/5029 in the M and 549/5049 in the L 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.

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

```
ASSIGN MAIL BOX
225 : NO
```

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 (529 or 549) 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

MMC: 743

SPEAKER Used to store data and advance to next MMC
HOLD Used to delete an entry

ACTION	DISPLAY
1. Press TRANSFER 743. Display shows.	**AUTO RECORD** **STN:201 MB:NONE**
2. Dial station number OR Press UP or DOWN to scroll the number. Press RIGHT soft key to move cursor.	**AUTO RECORD** **STN:201 MB:NONE**
3. Enter mailbox number using number keys (e.g., 201). Press RIGHT soft key to move cursor.	**AUTO RECORD** **STN:201 MB:201**
4. Enter VM port number using keypad or UP or DOWN. Press RIGHT soft key to move cursor.	**AUTO RECORD** **PORT:NONE CALL:I**
5. Enter call type, I, O or B.	**AUTO RECORD** **PORT:209 CALL:B**
6. Press TRANSFER button to store and exit OR Press SPEAKER button to store and advance to next MMC.	

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 containes either a DAY or NIGHT instruction for each OfficeServ 100 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 : DAY
4. Press UP or DOWN to select a DAY/NIGHT.	VM DAY/NIGHT RING 3 : NIGHT
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	DISPLAY
1. Press TRANSFER 745. Display shows.	WARNING DEST. DEST:500
2. Dial station number or group number OR Press UP or DOWN to scroll the number.	WARNING DEST. DEST:501
3. Press TRANSFER button to store and exit OR press SPEAKER button to store and advance to next MMC.	

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 100 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.	VM HALT STATUS:PROC
2. Enter 1 to halt or 0 to process OR Press UP or DOWN to scroll the selections.	VM HALT STATUS:PROC
3. When you select 1 to halt, display shows press 1 to confirm.	VM HALT ARE YOU SURE?YES
4. Display shows.	VM HALT STATUS:HALT
5. Press TRANSFER button to store and exit OR Press SPEAKER button to store and advance to next MMC.	

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	DISPLAY
1. Press TRANSFER 747. Display shows.	VM ALARM THRESHOLD:80
2. Enter new threshold level.	VM ALARM THRESHOLD:75
3. Press TRANSFER button to store and exit OR Press SPEAKER button to store and advance to next MMC.	

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 100 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	DISPLAY
1. Press TRANSFER 748. Display shows.	SET VMMOH 209: NOT USED
2. Press UP or DOWN to select SVM port.	SET VMMOH 215: NOT USED
3. Move cursor to next field. Press UP or DOWN to select sound file.	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 of 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.	VM IN/OUT 209: IN/OUT
2. Enter the Voice Mail port number. OR Press UP or DOWN to select SVM port.	VM IN/OUT 215: IN/OUT
3. Enter the selections. OR Press UP or DOWN to scroll options.	VM IN/OUT 215: MOH
4. Press TRANSFER button to store and exit OR Press SPEAKER button to store and advance to next MMC.	

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 100 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 THE 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, 1~98)

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	DISPLAY
1. Press TRANSFER 759. Display shows.	`CLI RINGING(001)` `CLI:`

MMC: 759

2. Dial entry number (e.g. 005)
   OR
   Use the VOLUME key to scroll through entries and press the RIGHT SOFT key to select an entry.

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

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 keyto 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 movethe 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: 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
Incorrect code shows.	ENABLE TECH. PROG PASSCODE ERROR
3. Enter 1 to enable or 0 to disable OR Press UP or DOWN to select.	ENABLE TECH.PROG ENABLE
4. Press SPEAKER to advance to MMC entry level.	801:TEC.PASSCODE SELECT PROG.ID
5. Enter the MMC desired (e.g., 209).	209:AOM MASTER AOM NOT EXIST

6. To log out and return to MMC 800, press 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.

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 802. Display shows.	**CUST.USE MMC** **100:STN LOCK:YES**
2 Enter desired MMC number via dial keypad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor.	**CUST.USE MMC** **102:CALL FWD:YES**
3 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.	**CUST.USE MMC** **102:CALL FWD:NO**
4 Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 804 SYSTEM I/O PARAMETER

DESCRIPTION:

Provides a means of assigning a system I/O port for use with one of the service types detailed below. A system has one SIO port defined as port1 on MCP1 card on an optional modem port defined as port2. In order for remote programming to work correctly the modem port number must be assigned with PCMMC service.

PARAMETER OPTIONS

Dial 0	Service	Type of Service
Dial 1	Baud Rate	Speed
Dial 2	Char Length	Character Length
Dial 3	Parity	Parity Bit
Dial 4	Retry Count	Number of Retries
Dial 5	Stop Bit	Stop Bit
Dial 6	Wait Time	Message Wait Time
Dial 7	DSR Check	Data Set Ready Check

SERVICE TYPE	PORT 1 and 2
Dial 00	NOT USED
Dial 01	PCMMC/OfficeServ™ Manager (OSM)
Dial 02	SMDR
Dial 03	UCD REPORT
Dial 04	UCD/SMDR
Dial 05	CTI
Dial 06	CTI/SMDR
Dial 07	CTI/UCD
Dial 08	CTI/S/U
Dial 09	TRAFFIC
Dial 10	TRF/SMDR
Dial 11	ALARM
Dial 12	ALARM/TRF
Dial 13	PERIODIC UCD
Dial 16	H/M REPT
Dial 17	PMS
Dial 18	PMS SMDR
Dial 19	BD-PMS
Dial 30	REMO M/A

NOTE: Port 2 is not a physical port on the system. Port 2 refers to an internal port used for the optional modem daughter card attached to the SMISC3 or SMISC4 card.

MMC: 804

BAUD (SPEED)

Dial 0	1200 bps
Dial 1	2400 bps
Dial 2	4800 bps
Dial 3	9600 bps
Dial 4	14200 bps
Dial 5	38400 bps (only on main software version 2.44 or higher)

CHARACTER LENGTH

Dial 7	7 bits
Dial 8	8 bits

PARITY

Dial 0	None
Dial 1	Odd
Dial 2	Even

RETRY COUNT: 03 (01-99)

STOP BIT

Dial 1	1 bit
Dial 2	2 bit

WAIT: 03000 ms (0000-99900)
DSR CHECK: OFF

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 (when valid)

ACTION	DISPLAY
1. Press TRANSFER 804. Display shows.	**SYS I/O PORT :2** **SERVICE:PC-MMC**

MMC: 804

2. Enter desired port via dial keypad (e.g., 2)
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to move cursor.

```
SYS I/O PORT :3
SERVICE:SMDR
```

3. Enter parameter desired via dial keypad (e.g., 7) from the above option list
   OR
   Press UP or DOWN key to make selection.
   Press RIGHT soft key to move cursor.

```
SYS I/O PORT :1
SERVICE:TRAFFIC
```

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

DEFAULT DATA: **PCMMC (OfficeServ Manager)**

SERVICE	**PORT 1**
BAUD RATE	**19200 BPS**
CHAR LENGTH	**8 BITS**
PARITY	**NONE**
RETRY COUNT	**03**
STOP BIT	**1 BIT**
WAIT TIME	**03000 MSEC**
DSR CHK	**OFF**

RELATED ITEMS: MMC 725 SMDR OPTIONS

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	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
	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

MMC: 805

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
	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

These are the types of tone sensitivity adjustment:

0	+0. 0	No adjustment.
1	+1.0	Up 1 dB
2	+1. 9	Up 1. 9 dB
3	+2.8	Up 2.8 dB
4	- 6.0	Down 6.0 dB
5	- 4.1	Down 4.1 dB
6	- 2. 5	Down 2. 5 dB
7	- 1. 2	Down 1. 2 dB

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.	TX LEVEL CONTROL LEVEL 0 → 0
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.	TX LEVEL CONTROL LEVEL 0 → 1
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.	TX LEVEL CONTROL LEVEL 1 → 2
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.	TSW GAIN CONTROL SLT→ATRK:0 dB
4.a. Enter desired volume data via dial pad OR Use UP or DOWN key to scroll data (0-9).	TX LEVEL CONTROL LEVEL 1 → 3
4.b. Press UP or DOWN key to make selection tsw gain control data and press RIGHT soft key to go to 3.b.	TSW GAIN CONTROL SLT→ATRK:+2dB
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

TX LEVEL CONTROL

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

MMC: 805

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 100 system will not be recognized by the system until it is ENABLED using this MMC. Cards installed using MMC 806 will NOT be assigned in the system numbering plan. You must then use MMC 724 to assign the desired directory numbers to extensions, trunks, AA, ports or miscellaneous functions.

NOTE: 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.	**EXP.1 SLOT 204SLI->204SLI**
2. Press UP or DOWN key to make selection (i.e. Cabinet 1) and press RIGHT soft key.	**EXP.1 SLOT 204SLI->204SLI**
To select which slot to address press UP or DOWN key to make selection	**EXP.1 SLOT 204SLI->204SLI**
OR	
Use the dial pad to make a selection (i.e. Slot 6) and press RIGHT soft key.	**EXP.1 SLOT 204SLI**
Press UP or DOWN key to make selection or use the DIAL to select (1 = yes 0 = no).	**EXP.1 SLOT RESET CARD? YES**
Press UP or DOWN key to make selection or use the DIAL to select (1 = yes 0 = no)	**EXP.1 SLOT ARE YOU SURE? YES**

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	DISPLAY
1. Press TRANSFER 808. Display shows.	**[701]T1 PARAMETERS** **CODING: AMI**
2. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**[701]T1 PARAMETERS** **CODING: AMI**
3. Press UP or DOWN key to make selection. Press RIGHT soft key to make change and return to step 1.	**[701]T1 PARAMETERS** **CODING: B8ZS**
4. Press RIGHT softkey to move cursor. Press UP or DOWN key to make selection. Press RIGHT softkey to move cursor.	**[701]T1 PARAMETERS** **SIGNAL: SF**
Press UP or DOWN key to make selection. Press RIGHT soft key to make change and return to step 1.	**[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.	**HALT/PROCESSING** **SLOT NO:**
2. Enter cabinet selection via dial keypad OR Press UP or DOWN key to make selection. Press RIGHT soft key to advance cursor.	**HALT/PROCESSING** **SLOT NO:**
Press ANS/RLS to select all cabinets and slots.	**HALT/PROCESSING** **SLOT NO:ALL →PROC**
3. Enter slot number via dial keypad OR Press UP or DOWN key to make selection. Press RIGHT soft key to advance cursor.	**HALT/PROCESSING** **SLOT NO:ALL →HALT**
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.	

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	DISPLAY
1. Press TRANSFER 811. Display shows.	**SYSTEM RESTART** **RESET SYSTEM?NO**
2. Press UP or DOWN key to make selection. After selection is made, press RIGHT soft key to move cursor to YES/NO option.	**SYSTEM RESTART** **CLEAR MEMORY?NO**
3. Press UP or DOWN key to make selection and press RIGHT soft key.	**SYSTEM RESTART** **CLEAR MEMORY?YES**
4. Press UP or DOWN key to make selection and press RIGHT soft key. *This erases all data in the system*	**SYSTEM RESTART** **ARE YOU SURE?YES**
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.	

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	DISPLAY
1. Press TRANSFER 812. Display shows.	SELECT COUNTRY KOREA
2. Press VOLUME to select the country version and press RIGHT soft button.	DEFAULTING SYSTEM ARE YOU SURE?NO
3. Enter [1] (YES) or [0] (NO) OR Press VOLUME to select whether to restart and press RIGHT soft button.	DEFAULTING SYSTEM ARE YOU SURE?YES

DEFAULT DATA: KOREA

RELATED ITEMS: MMC 811 RESTART SYSTEM

MMC: 815 CUSTOMER DATABASE COPY

DESCRIPTION:

Provides a means to copy the customer database to the SMDB (OfficeServ 100 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 100 Smart Media card database (Flash Memory Database)
SRAM	OfficeServ 100 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	DISPLAY
1. Press TRANSFER 815. Display shows.	**CUST DBASE:SMDB** **S:03/12/99 00:00**
2. Press RIGHT soft key to move cursor.	**CUST DBASE:SMDB** **S:03/12/99 00:00**
3. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	**CUST DBASE:SMDB** **CLEAR SMDB: NO**
4. Press RIGHT softkey to move cursor. Press UP or DOWN key to make selection.	**CUST DBASE:SMDB** **CLEAR SMDB: YES**

MMC: 815

Press RIGHT softkey to change prompt.

5. Press UP or DOWN key to make selection.
   Press RIGHT soft key to make change and return to step 3.

```
CUST DBASE:SMDB
CLEAR SMDB: NO
```

6. Press UP or DOWN key to make selection.
   Press RIGHT softkey to move cursor.

```
CUST DBASE:SRAM
DAILY SAVE : 00:00
```

7. Press UP or DOWN key to make selection
   OR
8. Press RIGHT softkey to move cursor and input save time.
   Press RIGHT softkey to move cursor.

```
CUST DBASE:SRAM
DAILY SAVE : 23:30
```

9. Press UP or DOWN key to make selection.
   Press RIGHT softkey to move cursor.

```
CUST DBASE:SRAM
COPY TO SMDB:NO
```

10. Press UP or DOWN key to make selection.
    Press RIGHT soft key to make change and return to the next step 9
    OR
11. Press TRANSFER to store and exit
    OR
    Press SPEAKER to store and advance to next MMC.

```
CUST DBASE:SRAM
ARE YOU SURE?:YES
```

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

RELATED ITEMS: **MMC 819 DISPLAY SMARTMEDIA (FLASH MEMORY) DATA**

MMC: 818 PROGRAM DOWNLOAD

DESCRIPTION:

Provides a means to upgrade system hardware from the Flash Memory. 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 Flash Memory card.

NOTES:
1. Updating the MCP card will cause the system to reset.
2. 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	DISPLAY
1. Press TRANSFER 818. Display shows.	**PGM DOWNLOAD** **PLEASE WAIT…**
	PGM DOWNLOAD **MCP: MCP244.PGM**
2. Press UP or DOWN key to select card to download.	**PGM DOWNLOAD** **PRI:PRI_V107.PGM**
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.	**PRI PGM** **DOWNLOAD NOW? NO**
5. Press UP or DOWN key to make selection.	**PRI PGM** **DOWNLOAD NOW? YES**
6. Press RIGHT soft key to make change and return to step 2.	**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 FLASH MEMORY

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 flash memory. Use this to verify files and their size. Files that are no longer necessary can be deleted to make space for new files.

FILE NAME	DESCRIPTION
STARTUP.INI	If a user designates an MCP or SCP program at MMC 818, related data are saved in this file. This file is initially not included but is created when the above programs are selected at MMC 818.
STARTUP.100	When the system is initially started, this program uses the memory of the MCP1 card to lead the MPP program of NAND Flash Memory. This program must be included to start the system.
OS100xxx.PGM	Program for MCP1 board. Since the MCP1 program is not installed in the MCP1 board itself, at least one MCP1 program must be included in NAND Flash Memory to start the system. Files named OS100xxx.PGM represent programs for OfficeServ 100 system. NAND Flash Memory must include the proper MCP1 program corresponding to the system.
SP100xxx.PGM	SCP program. The SCP program is not installed on the base board, at least one SCP program must be included in NAND Flash Memory to start the system (SCP uses MC68EC000 Processor at Base board on the OfficeServ 100 system). Files named SP100xxx.PGM represent programs for OfficeServ 100 system. NAND Flash Memory must include the proper SCP program corresponding to the system. The one included in NAND Flash Memory is used for software version upgrade.
PRI_Vxxx.PGM	TEPRI program. The TEPRI program is installed in the card itself. The one included in NAND Flash Memory is used for software version upgrade.
DATABASE.MPP	This file is created in NAND Flash Memory when DB is saved to FLDB by MMC 815. Initially not included, this file is created only when FLDB is created by MMC 815.

ACTION	DISPLAY
1. Press TRANSFER 819. Display shows.	`STARTUP.100` `sz:77656 byte`
2. Press VOLUME to display the data of the files saved in SmartMedia.	`OS100xxx.PGM` `sz:7307776 byte`

MMC: 819

3. Press HOLD and select [1] (YES) to delete the file shown on the LCD screen from SmartMedia.

```
OS100xxx.PGM
DELETE FILE? NO
```

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 100 or OfficeServ 500 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	DISPLAY
1. Press TRANSFER 820. Display shows.	SELF: LINK ID
2. Press UP or DOWN to select system.	SYS05: LINK ID
3. Press RIGHT soft key twice to move cursor to entry field. Enter SYS LINK ID for each networked system.	SYS05: LINK ID 006
4. Press RIGHT soft key twice to move cursor to option field. Press UP to select SIGNAL G/W networked system.	SYS05:SIGNAL G/W

5. Press RIGHT soft key to move cursor to entry field. Enter MCP IP address for each IP networked system.

```
SYS05:
192.168.0.XXX
```

6. 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: 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	DISPLAY
1. Press TRANSFER 821. Display shows.	**[701] Q-SIG TRK NORMAL**
2. Press UP or DOWN key to select PRI.	**[725] Q-SIG TRK NORMAL**
3. Press RIGHT soft key to move cursor.	**[725] Q-SIG TRK NORMAL**
4. Press UP or DOWN key to make selection Press RIGHT soft key to make change and return to step 1.	**[725] Q-SIG TRK Q-SIGNALLING**
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

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, DS 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.	**[3501] PORT TYPE SLT**
2. Dial station number (e.g., 3505) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	**[3505] PORT TYPE SLT**
3. Press UP or DOWN to select type and press LEFT or RIGHT soft key to return to step 2 above.	**[3505] PORT TYPE 28 BTN**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **3501 to 3538 Default to SLT**
3401 to 3480 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 20 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	DISPLAY
1. Press TRANSFER 823. Display shows.	NETWORK COS (01) 01: CALL OFFER: Y
2. Press UP or DOWN key to select COS and press RIGHT soft key to move cursor.	NETWORK COS (05) 01: CALL OFFER: Y
3. Press UP or DOWN key to select option. Press RIGHT soft key to move cursor.	NETWORK COS (05) 03:CC PATH RSV: Y
4. Press UP or DOWN key to select YES or NO. Press RIGHT soft key to make change and return to Step 2.	NETWORK COS (05) 03:CC PATH RSV: N
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

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.

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.

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**	
22:	**NOT USED**	

MMC: 823

23:	CONP LEVEL:	3
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 RETEN:	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 digts 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.	01: NONE→ SZ:0 MAX:00 MB:N
2. Press UP or DOWN key to select plan number and press RIGHT soft key to move cursor.	10: NONE→___ SZ:0 MAX:00 MB:N
3. Enter LINK ID and FIRST DIGIT of extension number using the keypad and press RIGHT soft key to move cursor.	10: NONE→ 0033 SZ:0 MAX:04 MB:N
4. Enter number of digits in the extension number. Cursor advances to next field.	10: NONE→ 0033 SZ:3 MAX:04 MB:N
5. Dial maximum number of digits. Cursor advances to next field.	10: NONE→ 0033 SZ:3 MAX:06 MB:N

MMC: 824

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 SVMiwhen 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	When IP networking systems, this option determines the method used for sending digits between nodes. • 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 not 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	DISPLAY
1. Press TRANSFER 825. Display shows.	NAME: NUMB APPEND YES
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select YES or NO.	NAME: NUMB APPEND NO
3. Press UP or DOWN key to select option and then follow step 2.	USE REMOTE VM NO
4. Press TRANSFER to store and EXIT or Press SPEAKER to store and advance to next MMC.	

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: 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)

MMC: 829

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. COURIED, 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 **DISPLAY**

1. Press TRANSFER 829.
   Display shows.

   [01] DATA TYPE
   SMDR

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.

   [02] DATA TYPE
   UCD REPORT

3. Enter the item number
   OR
   Press VOLUME to select the item and press the RIGHT soft button to move the cursor.

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

4. Select the data
   OR
   Press the VOLUME to select the data and press the RIGHT soft button to move the cursor.

   [02] PRINTER IP
   168.219. 83.101

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

MMC: 829

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 100 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 MCP1 is reset.

- **SYSTEM IP ADDR:** Specifies the IP address for the MCP1 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 MCP1 (without having to go through the designated network IP gateway).

- **SYSTEM RESET:** Prompt to restart system MCP1 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 MCP1 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 MCP1).

- Public IP Only – use when MCP1's IP address is exposed to the public network.

- **SYSTEM PUBLIC IP:** The MCP1 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 MAC ADDR:** For your reference, and cannot be changed. The unique hardware (MAC) address of the MCP1 card.

- **PCMMC ADDRESS:** *No entry required. Reserved for future use.*

- **SM MANAGER:** *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	DISPLAY
1. Press TRANSFER 830. Display shows the system IP address.	SYSTEM IP ADDR 165.213. 97.185
2. Press RIGHT soft key to move cursor on IP address line.	SYSTEM IP ADDR 165.213. 97.185
3. Using the keypad enter three digit IP octet numbers IE 192 168 001 010 for 192.168.1.10	SYSTEM IP ADDR 192.168.001.010
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

MMC: 830

6. Press RIGHT softkey to move cursor to IP gateway address line.

```
SYSTEM GATEWAY
  165.213. 97.  1
```

7. Using the keypad enter three digit IP octet numbers IE 192 168 001 001 for 192.168.1.1

```
SYSTEM GATEWAY
  192.168.001.001
```

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
  255.255.255.  0
```

10. Press UP or DOWN key to make a selection
    OR
11. Press TRANSFER to store and exit
    OR
    Press SPEAKER to store and advance to next MMC.

```
SYSTEM RESTART
ARE YOU SURE ? NO
```

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 DEPENDANT (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 100 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 if 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

networks/subnets, to establish communications with the system, without exposing your LAN.

- **MAC ADDRESS:** Displays the physical MAC address of the MGI. The value cannot be changed.
- **CARD RESET (Only available on MGI3 card):** 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] IP ADDRESS 168.219. 76.101
3. Press RIGHT soft key to move cursor to IP address line.	[3801] IP ADDRESS 168.219. 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] IP ADDRESS 105. 52. 10. 50
6. Press UP or DOWN key to make selection. Press RIGHT soft key to move cursor.	[3801] GATEWAY 168.219. 76. 1
7. Press RIGHT softkey to move cursor to gateway address line.	[3801] GATEWAY 168.219. 76. 1
8. Using the keypad enter three digit IP octet numbers IE 192 168 001 001 for 192.168.1.1	[3801] GATEWAY 192.168.001.001

MMC: 831

9. Cursor will return to Step 2 upon completion of gateway entry.

```
[3801] GATEWAY
  192.168.  1.  1
```

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

```
[3801] SUB MASK
  255.255.255  0
```

11. Using the keypad enter three digit gateway address numbers.

```
[3801] SUB MASK
  255.255.255  0
```

12. Cursor will return to Step 2 upon completion of sub mask entry.

```
[3801] SUB MASK
  255.255.255  0
```

13. Press UP or DOWN key to make a selection
    OR

```
[3801] PUBLIC IP
   1.  1.  1.  1
```

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

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).

MMC: 832

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 [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

MMC: 832

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

```
[0:00] IP START
 00
```

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	DISPLAY
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.	TB(00) ENTRY (00) 165.213. 97.185
2. Press UP or DOWN key to select a table entry OR press RIGHT soft key to move cursor.	TB(00) ENTRY (00) 165.213. 97.185
3. Using the keypad input a 12 digit IP address OR	TB(00) ENTRY (00) 165.213. 97.185
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC entry.	

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 NEGO:** Enables or disables Auto CODEC Negotiation when the MGI is used as a trunking gateway. This parameter is set as ON or OFF.
- **SIGNAL PORT:** Indicate the port number for H.323 signaling and sets a range of numbers allowed by firewall equipment. The common/default IP path or port used is 10000. When using the MGI as a trunking gateway the formula for which ports to open depends on the number of VoIP channels. The formula is as follows: base signaling port (10000)+128+2*(# of VoIp ports –1)+1.
- **SEND CLIP TABLE:** Refers to SEND CLI NUMBER (MMC 321), which provides calling party identification when using the MGI as a trunking gateway. This provides station ID of the calling station. A single digit value corresponding with the desired table in MMC321 should be entered here. This is only used when MMC 405 value is null. Default 1.
- **INCOMING MODE:** This option selects how incoming calls are routed: FOLLOW DID TRANS [default] (MMC 714), FOLLOW TRUNK RING (MMC406),

MMC: 834

or FOLLOW INCOM DGT (MMC 724) when the MGI is used as a trunking gateway.

- **ALLOW GW CHECK:** When using a gatekeeper, this permits the MGI to check for gatekeeper presence. This parameter is set as ENABLE or DISABLE

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 834. Display shows the first option. Press UP or DOWN key to select an option OR	GATEWAY CALL ID 1234
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an entry.	GATEWAY CALL ID 1234
3. Press RIGHT soft key to enter data and move cursor.	GATEWAY CALL ID 1234
4. Press UP or DOWN key to select an option OR Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	H.323 FAST SETUP ENABLE

DEFAULT DATA:

GATEWAY CALL ID: 1234
H.323 FAST SETUP: ENABLE
CALLER ID TYPE: ANI
TUNNELING: ENABLE
DEFAULT DIL NO.: 500
CODEC AUTO NEGO: ON
SIGNAL PORT: 10000
SEND CLIP TABLE: 1
INCOMING MODE: FOLLOW DID TRANS
ALLOW GK CHECK: DISABLE

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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 MGI3 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).

- **FRAME COUNT*:** This value determines the transmission interval time of VoIP packets generated by the MGI card. The range is 1~9 (MGI 3) 2~8 (MGI 2).

- **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 (MGI 3).

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- **MAX JITTER:** Decides the maximum time to consider delay for jitter adjustment. The range is 010-300ms (MGI 3).

- **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 ITPs are in same public zone, or both in same private zone). For ITP to ITP calls use settings in MMC 840/MMC 841.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 835. Display shows the first option. Press UP or DOWN key to select MGI3 or MGI2	**MGI3:AUDIO CODEC G.729A**
OR	
2. Press RIGHT soft key to move cursor. Press UP or DOWN key to select an parameter.	**MGI3:AUDIO CODEC G.729A**
3. Press RIGHT soft key to enter data and move cursor.	**MGI3:AUDIO CODEC G.729A**

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4. Press UP or DOWN key to select an option
   OR
   Press TRANSFER to store and exit
   OR
   Press SPEAKER to store and advance to next MMC.

```
MGI3:AUDIO CODEC
G.729
```

DEFAULT DATA:
AUDIO CODEC: G.729A
ECHO CANCEL: ENABLE
SILENCE SUP: ENABLE
IN FILTER: ENABLE
OUT FILTER: ENABLE
INPUT GAIN: 31
VOICE VOL: 31
FRAME COUNT: 040ms(MGI3)
JITTER OPT: 04
MIN JITTER: 030ms
MAX JITTER: 150ms(MGI3)
FAX ECM: ENABLE
MAX FAX CNT: 02
DTMF TYPE: OUTBAND(MGI3)
TOS DATA: 00000
FAX RETRY: 0
RTP CHECK TIME: 5 seconds

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 616: MGI USER
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS
MMC 838: PRIVATE IP ADDRESSES
MMC 840: IP SET INFO
MMC 841: SYSTEM IP OPTIONS
MMC 714: DID TRANSLATIONS
MMC 321: CLIP TABLE

MMC: 836 H.323 GK OPTION

DESCRIPTION:

Provides a means to set the MGI parameters for an optional external industry-standard H.323 network gatekeeper, using Registration, Admissions, and Status signaling (RAS). The settings are system wide.

- NOTE: When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example 192.168.1.10 input must be: 192 168 001 010

- **GK CONNECTION:** This determines if the MGI is to connect to a gatekeeper. The options are: ENABLE or DISABLE.
- **GK ROUTING:** This enables or disables routing of calls through a gatekeeper. The options are: ENABLE or DISABLE.
- **GK IP ADDRESS:** This is gatekeeper's IP address.
- **GK NAME:** This is alphanumeric name identifier of the gatekeeper. An entry of 9 characters with a space followed by an additional 6 alpha-numeric characters.
- **ALTER GK IP ADDR:** This provide for an alternate gatekeeper address.
- **H.323 GATEWAY ID:** This is the H.323 identifier used by the MGI when registering with the gatekeeper. This can be up to 16 characters in length.
- **E.164 GATEWAY NO:** This is the E.164 identifier used by the MGI when registering with the gatekeeper. This can be up to 16 digits in length.
- **GK KEEP ALIVE:** This is the timer that the MGI uses to acknowledge the presence of the gatekeeper. The range is 000~999 seconds.
- **GK DOWN ROUTE:** This provides an alternate route in case the primary gatekeeper is down. Selections are PSTN or ALTER GK.
- **GK RAS TYPE:** Select if AUTO or MANUAL, depending on your gatekeeper's capabilities.
- **URQ REASON MODE:** Select ON or OFF for usage of Unregister Request RAS (URQ) messages.

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- **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 enabled the E.164 identifier can be assigned up to 32 lists.
- **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:** GK registration status.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 836. Display shows the first available option. Press UP or DOWN key to select an option OR press the RIGHT soft key to move cursor	**GK CONNECTION** **DISABLE**
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	**GK CONNECT** **DISABLE**
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor to the Step 1 position.	**GK CONNECT** **DISABLE**
4. Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor OR 5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	**GK ROUTING** **DISABLE**

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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
GK KEEP ALIVE: 0 sec
GK DOWN ROUTE: PSTN
GF RAS TYPE: AUTO
URQ REASON MODE: ON
RRQ FAILT 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.

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- **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.

- **ALLOW GW CHECK:** Enable the check for the presence of a gateway.

- **SIP REGISTERED:** Displays registration status to the SIP server.

MMC: 837

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 837. Display shows the first available option. Press UP or DOWN key to select an ITM3 card OR press the RIGHT soft key to move cursor.	GATEWAY CALL ID 1234
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	CALLER ID TYPE IP
3. Press UP or DOWN key to select an option and press RIGHT soft key to enter data and move cursor to the Step 1 position.	CALLER ID TYPE IP
4. Press UP or DOWN key to select an ITM3 card OR press RIGHT soft key to move cursor.	CALLER ID TYPE GWID
Press UP or DOWN key to select an option and press RIGHT soft key to store entry and move cursor OR 5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	DEFAULT DIL NO. 500

DEFAULT DATA:

GATEWAY CALL ID: 1234
CALLER ID TYPE: ANI
DEFAULT DIL NO.: 500
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
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 MCP2 to communicate with remote VoIP gateways on a network consisting of a mixture of private and public IP addresses. If your network consists of IP addressing that is *entirely* private OR *entirely* public, you do not need to utilize this MMC. There are 80 entries.

- NOTE: When changing any IP address/value, listed below, three digits must be input for each (octet) field. Example 192.168.1.10 input must be: 192 168 001 010

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 838. Display shows the first available option. Press UP or DOWN key to select an entry OR Press the RIGHT soft key to move cursor.	PRIVATE IP (01) 0. 0. 0. 0
2. Press UP or DOWN key to select an option OR Press RIGHT soft key to move cursor.	PRIVATE IP (01) _ 0. 0. 0. 0
3. Enter IP address in 3 digit entry format. IE 105.52.10.20 is input 105.052.010.020. Press RIGHT soft key to enter data and move cursor to the Step 1 position.	PRIVATE IP (01) 105. 052. 010.020
4. Press UP or DOWN key to select another entry OR Press RIGHT soft key to move cursor OR Press TRANSFER to store and exit OR press SPEAKER to store and advance to next MMC.	PRIVATE IP (01) 105. 052. 010.020 PRIVATE IP (01) 105. 052. 010.020

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DEFAULT DATA: **PRIVATE IP: BLANK**

RELATED ITEMS:
MMC 615: MGI GROUP
MMC 830: ETHERNET PARAMETERS
MMC 831: MGI PARAMETERS
MMC 832: VOIP OUTBOUND DIGITS
MMC 833: VOIP ADDRESS TABLE
MMC 834: H.323 OPTIONS
MMC 835: MGI DSP OPTIONS
MMC 836: H.323 GATEKEEPER OPTIONS
MMC 837: SIP OPTIONS

MMC: 840 IP SET INFO

DESCRIPTION:

This MMC provides a means to register the IP keyphones with the OfficeServ 100 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 3201~3232. System default User ID's match the default station numbers. (3201~3232). 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 100 system. This entry can be alphanumeric.

- **USER PSWD:** This is the Password the IP keyphone must also have to register with the OfficeServ 100 system. This entry can be alphanumeric.

- **IP ADDR:** This is the IP address of the IP once registered with the OfficeServ 100 system. View only.

- **MAC ADDR:** This is MAC address of the IP keyphone once registered with the OfficeServ 100 system. View only.

- **SIG PORT:** Indicates the port number used for keyphone control signaling. This information will be needed when traversing NAT routers, firewalls, etc. View only.

- **VOICE PORT:** Indicates the port number used for transporting voice content. This information will be needed when traversing NAT routers, firewalls, etc. View only.

- **IP TYPE:** This is the type of IP network used where the ITP is located: PRIVATE or PUBLIC, or PUBLIC with FIREWALL. "PUBLIC with FIREWALL" option must be selected when there are firewalls/NAT routers between system and remote ITP's.

- **DSP TYPE:** This selects which CODEC this keyphone's DSP will use. G.729A (low bandwidth) or G.711 (high bandwidth). This applies to ITP to ITP communication only. ITP to TDM follows MMC 835.

MMC: 840

- **PHONE TYPE:** This the type of IP keyphone used. SAMSUNG or SIP (future). Please use SAMSUNG for the ITP series of keyphones.

- **REGIST CLR:** This is used to clear the registration of a particular IP keyphone. If a keyphone is relocated to a different physical subnet, it is very important that the keyphone registration is cleared and re-established with the proper IP information.

- **FRAME CNT*:** This is the sampling rate per frame. The lower the frame count the higer the bandwidth consumed per call. Range is 20 ms ~ 40 ms. Applies only to ITP calls.

- **JITTER SIZE*:** This is the programmable time delay to buffer packets. Range 10 ms~90 ms. Applies only to ITP to ITP calls.

- **TOS FIELD*:** Allows the setting of Type of Service bits to allow precedence when using router that support this field. Applies only to ITP to ITP calls.

- **SW VERSION:** Software version of the particular ITP keyset. View only.

- **SW UPGRADE:** This is an IP phone software upgrade command. The TFTP server address must be programmed in MMC 841 for this to work. When selecting YES and pressing the right soft key, the selected ITP will be upgraded to software on TFTP server. MMC 841, "ITP version upgrade" must be set to MMC command.

- **TIME ZONE:** Sets the time off-set of IP phone from the system clock. This is used for IP phones on different time zones than the system. By adjusting this parameter the remote ITP phone's clock display will show local time of the time zone where it is located.

- **PUB TO PUB:** When set to "USE MGI" calls between two remote ITP phones located in the same private zone (or same public zone) will be forced to use an MGI channel. Select the "USE MGI" option if you encounter one-way audio or no audio between remote ITP phones.

- **PRIVATE IP:** Displays the private IP address (local IP) of the ITP phones (view only).

- **SIG TYPE**

Note: These settings are effective only if MMC 841, "ITP DSP PARA", DOWN=PHONE DATA.

MMC: 840

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 840. Display shows the first available option. Press UP or DOWN key to select a MGI PORT OR press the RIGHT soft key to move cursor.	(3201) USER ID 3201
2. Press UP or DOWN key to select an option OR press RIGHT soft key to move cursor.	(3201) USER ID 3201
3. Input ITP alphanumeric User ID and Press RIGHT soft key to enter data and move cursor to the Step 2 position.	(3201) USER ID 3201
4. Press UP or DOWN key to select Password option and press RIGHT soft key to move cursor.	(3201) USER PSWD 3201
Input ITP alphanumeric Password and Press RIGHT soft key to store entry and move cursor OR	(3201) USER PSWD 3201
5. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA:

USER ID: MATCHES DEFAULT NUMBERING
USER PSWD: 1234
IP ADDR: ITP DEFINES
MAC ADDR: ITP DEFINES
SIG PORT:
VOICE PORT:
IP TYPE: PRIVATE
DSP TYPE: G.729A
PHONE TYPE: SAMSUNG

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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

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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.	-

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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.

   DISPLAY
   ```
   ITP RESIGTRATION
   ENABLE /ITP PSWD
   ```

2. Press UP or DOWN key to select an option
   OR press RIGHT soft key to move cursor.

   ```
   ITP REGIST PSWD
   4321
   ```

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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 3264 (INDEX 064) for IP PHONES.

1. ITP 5112L and 5121D must be set as DESKTOP PHONE.
2. The WIP5000M, 802.11b wireless IP handset must be set as MOBILE PHONE.

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 844. Display shows	**INDEX:001 [3201]** **DESKTOP PHONE**
2. Dial index number (e.g. 121) OR Press VOLUME key to select station and press RIGHT soft key to move cursor.	**INDEX:033 [3301]** **MOBILE PHONE**
3. Dial 1 or 0 to select type (1=MOBILE PHONE, 0=DESKTOP PHONE). Press VOLUME key to select option and press RIGHT soft key.	**INDEX:033 [3301]** **DESKTOP PHONE**
4. Press TRANSFER key and enter to exit OR Press SPEAKER key to advance to next MMC.	

DEFAULT DATA: **INDEX 001~032: DESKTOP PHONE**
INDEX 033~ 064: MOBILE PHONE

RELATED ITEMS: MMC 724: DIAL NUMBERING PLAN
MMC 840: IP PHONE INFORMATION
MMC 846: WIP INFORMATION

MMC: 845-COMBO 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	1st DNS IP	IP address of the 1st Domain Name Server (DNS)
03	2nd DNS IP	IP address of the 2nd of Domain Name Server (DNS)
04	2nd WBS IP	All IP addresses of WBS24 used by the wireless terminal in the system. Use the default if there is no IP collision with other devices connected to the same subnet
05	CODEC LIST	CODEC used in a VoIP call between WBS24 and WIP-5000M. Currently, it is possible to set G.729A only
06	RF CHANNEL	Sets the RF channel value available in WBS24
07	VERSION	Indicates the WLAN module version
08	TFTP SERVR	Sets the server IP for WBS24 upgrade
09	TFTP FILE	Sets the file name for WBS24 upgrade
18	WBS TX PWR	Changes TX power of the entire WBS24. Level 1 is minimum, level 4 is maximum.
19	CLR WBSREG	Initializes the entire entry information on WBS24

MMC: 845-COMBO

<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


NOTE

Connecting WBS24

WBS24 has two types, i.e. COMBO and BASIC. Two types of WBS24 is simultaneously unavailable in one system.

According to the AP type, CWBS is displayed if WBS24 is set to Combo, and BWBS if set to Basic on the LCD display. The AP type can be set in [AP TYPE] of [MMC 849].

<SIP Parameter>

Normally, use the default without change.

No.	Parameter	Description
0	RE-TRANS T1	When using Unreliable transmission protocol such as UDP, retransmission is performed if there is no response after transmission. RE-TRANS.T1 TIME is the Initial Retransmission Interval defined in RFC2543.
1	RE-TRANS T2	Maximum Retransmission Interval defined in RFC 2543.
2	RE-TRANS T4	Available for multiple purposes in RFC 2543. This parameter is used as time when User Agent Server(UAS) receives the ACK message and waits in the Unreliable transmission protocol.

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	1st DNS IP	0.0.0.0
3	2nd DNS IP	0.0.0.0
4	2nd WBS IP	168.208.144.10
5	CODEC LIST	CODEC 1: G.729A
6	RF CHANNEL	USE CH 1: 01
7	VERSION	-
8	TFTP SERVR	0.0.0.0
9	TFTP FILE	WBS00000.TFP
18	WBS TX PWR	DEFAULT
19	CLR WBSREG	NO

MMC: 845-COMBO

<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	DISPLAY
1. Select the MMC number [845].	**845: WLAN PARA** **SELECT PROG ID**
2. Select the desired one of WLAN, CWBS and SIP. Or select a desired item using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.	**WLAN : SYSTEM ID** **WBS24**
3. Enter the parameter number. Or select a desired item using the	**CWBS01: IP ADDR** **0. 0. 0. 0**

[▼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
```

- 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-COMBO

- 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: 845-DUAL-BAND WLI PARAMETERS

DESCRIPTION:

This program provides detail parameters for WLAN settings.

<WLAN Parameter>

No.	Parameter	Description
01	CODEC LIST	CODEC used in a VoIP call between WBS24 and WIP-5000M. Currently, it is possible to set G.729A only
02	VERSION	Indicates the WLAN module version
03	MAX AP CH	Maximum channel per AP
04	WLAN SWITCH	Enable or disable the use of WLAN switch

According to the AP type, CWBS is displayed if WBS24 is set to Combo, and BWBS if set to Basic on the LCD display. The AP type can be set in [AP TYPE] of [MMC 849].

<SIP Parameter>

Normally, use the default without change.

No.	Parameter	Description
1	GEN NO RESP	Waiting time before canceling the SIP Request.
2	INV NO RESP	Waiting time before canceling the SIP INVITE Request.
3	REQ RETRY	Waiting time before the final response to the SIP Request is received.
4	PROVISIONAL	When receiving the Provision Response, User Agent should wait during this time before Timeout expires.
5	RE-TRANS T1	When using Unreliable transmission protocol such as UDP, retransmission is performed if there is no response after transmission. RE-TRANS.T1 TIME is the Initial Retransmission Interval defined in RFC2543.
6	RE-TRANS T2	Maximum Retransmission Interval defined in RFC 2543.
7	RE-TRANS T4	Available for multiple purposes in RFC 2543. This parameter is used as time when User Agent Server(UAS) receives the ACK message and waits in the Unreliable transmission protocol.

No.	Parameter	Description
8	GEN RING TM	In the Unreliable transmission protocol, it is not sure that the client receives a response after the server sends the last response. At this time, the server should retransmit a response during this time until it receives the requested retransmission. For example, it is the time to send INFO 200 OK and wait.
9	INV RING TM	In the Unreliable transmission protocol, it is not sure that the server receives the ACK message after the client sends INVITE Final Response ACK. It is the waiting time after the client sends Final Response ACK.

PRECONDITION

None

DEFAULT

<WLAN Parameter>

No.	Parameter	Settings
1	CODEC LIST	CODEC 1: G.729A
2	VERSION	-
3	MAX AP CH	00 (No Limitation)
4	WLAN SWITCH	Disable

<SIP Option>

Parameter	Settings
RE-TRANS T1	000500 ms
RE-TRANS T2	004000 ms
RE-TRANS T4	005000 ms
GEN LING TM	006000 ms
INV LING TM	001000 ms
GEN NO RESP	005000 ms
INV NO RESP	006000 ms
REQ RETRY	005000 ms
PROVISIONAL	180000 ms

MMC: 845-DUAL-BAND

ACTION	DISPLAY
1. Select the MMC number [845].	845: WLAN PARA SELECT PROG ID
2. Select RF channels for APs.	WLAN: RF CHANNEL USE CH1:01
• Select a voice CODEC to be used while busy. For CODEC, only G.729A can be selected.	WLAN : CODEC LIST CODEC 1: G.729A
• Assign RF channel for the system.	WLAN : RF CHANNEL USE CH 1: 01
• The version information of the WLAN.	WLAN : VERSION 2005.08.31 v2.00
• Concurrent voice conversation per AP. The quality of voice and data may suffer if more than 8 is used per AP.	WLAN : MAX AP CH. 08 (00:NO LIMIT)
• Enable or disable the use of WLAN switch.	WLAN : WLAN SWITCH DISABLE
3. Set the following items in the SIP menu:	
• Set GEN NO RESP to be used in SIP.	SIP : GEN NO RESP 005000 MS
• Set INV NO RESP to be used in SIP.	SIP : INV NO RESP 006000 MS
• Set REQ RETRY to be used in SIP.	SIP : REQ RETRY 005000 MS
• Set PROVISIONAL TIME to be used in SIP.	SIP : PROVISIONAL 180000MS
• Set RETRANS T1 to be used in SIP.	SIP : RE-TRANS T1 000500 MS
• Set RETRANS T2 to be used in SIP.	SIP : RE-TRANS T2 004000 MS

MMC: 845-DUAL-BAND

- Set RETRANS T4 to be used in SIP.

```
SIP : RE-TRANS T4
05000 MS
```

- Set GEN LINGER TM to be used in SIP.

```
SIP : GEN LING TM
00600 MS
```

- Set INV LINGER TM to be used in SIP.

```
SIP : INV LING TM
001000 MS
```

RELATED PROGRAMS: MMC 846 WIP INFO
MMC 848 WLAN IP/MAC

MMC: 846 WIP INFO

DESCRIPTION:

[MMC846] is used to display the WIP-5000M information and set some parameters. You can change USER ID, PASSWORD, and INSERT DGT.

No.	Parameter	Description
0	REGISTERED	Indicates whether the corresponding WIP-5000M is registered
1	LOCATED	Indicates whether the corresponding WIP-5000M is currently connected to the system
2	PHONE TYPE	Indicates the type of the corresponding WIP-5000M phone
3	WLI NUMBER	Number of WLI connected to WBS24 in service in the section where WIP-5000M is being used
4	WBS NUMBER	Number of WBS24 in service in the section where WIP-5000M is being used
5	IP OFFSET	Location of the IP pool where the IP assigned to WIP-5000M is located
6	IP ADDRESS	IP address assigned to the registered WIP-5000M
7	MAC ADDR	MAC address of the registered WIP-5000M
8	USER ID	Sets ID by the WIP-5000M user
9	PASSWORD	Sets password by the WIP-5000M user
10	INSERT DGT	If the number of digits you pressed when originating a call in WIP-5000M is more than 5, the set INSERT DGT is inserted before the number you pressed. However, the number you pressed should not be C.O. Line number, C.O. Line group number, LCR, network LCR, or number starting with the function code

ACTION **DISPLAY**

1. Select the MMC number [846].

```
[3301] REGISTERED
NO
```

2. Select a desired WIP-5000M number. Or select a desired WIP-5000M number using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.

```
[3301] REGISTERED
NO
```

MMC: 846

3.	Enter a desired item number. Or select a desired item using the [▼Volume▲] button, and press [RIGHT] soft button to move the cursor.	`[3301] LOCATED DETACH`
4.	Display handset phone type.	`[3301] PHONE TYPE`
5.	Display handset associate WLI number.	`[3301] WLI NUMBER`
6.	Display handset associate WBS number.	`[3301] WBS NUMBER`
7.	Display handset IP offset from the first one.	`[3201] IP OFFSET`
8.	Display handset IP address.	`[3201] IP ADDRESS 0. 0. 0. 0.`
9.	Display handset MAC address.	`[3201] MAC ADDRESS 0000 0000 0000`
10.	Handset registration ID can be viewed and changed.	`[3201] USER ID 1212`
11.	Handset registration password can be viewed and changed.	`[3201] PASSWORD 0000`

RELATED PROGRAMS

MMC 845 WLAN PARA
MMC 847 WLAN RESET
MMC 848 WLAN IP/MAC
MMC 849 WLAN CONFIG

MMC: 847 WLI RESET

DESCRIPTION:

[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-COMBO 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-COMBO

	ACTION	DISPLAY
1.	Select the MMC number [849].	849: WLAN CONFIG SELECT PROG ID
2.	Press the [SPK] key to move to the Select menu.To activate registration, enter passcode first. Default is 0000.	ENTER PASSWORD ****
3.	Select whether to enable or disable WIP-5000M registration.	REGISTER VoWLAN ENABLE
4.	Clear the registration of the handset.	WIP REGIST CLEAR 3301: FORCED
5.	If the WEP key is set, select WEB ENABLE.	WBS WEP SERVICE DISABLE
6.	If you want to select ENCRYPTION, set the WEP key first. Enter 13-digit number.	WEP KEY
7.	Select whether to use a Static WBS IP. This function is not available for COMBO IP.	STATIC WBS IP DISABLE
8.	Select whether to use a Static WIP IP.	STATIC WIP IP DISABLE
9.	Select the type of AP to be installed. BASIC type is not available to North America.	SELECT AP TYPE COMBO AP

RELATED PROGRAMS:

MMC 846 WIP INFO
MMC 847 WLAN RESET
MMC 848 WLAN IP/MAC

MMC: 849-DUAL-BAND WLI REGIST

DESCRIPTION:

[MMC849] is used to select AP type and de-register handsets.

Parameter	Description
REGISTER VoWLAN	Sets whether to permit the new registration of WIP-5000M. If this parameter is disabled, it is impossible to assign and register the WIP-5000M IP.
WIP REGIST CLEAR	Clears the registration according to WIP-5000M. The De-registration mode includes 'FORCED' and 'NORAML'. The FORCED mode is used to clear the system-related DB in order to register a new WIP-5000M due to the damage of WIP-5000M. The NORMAL mode is used to clear both the system DB and WIP-5000M DB by exchanging messages between the system and WIP-5000M.
STATIC WIP IP	Sets whether to use a static IP in WIP-5000M. This value should be set in advance before registering WIP-5000M.
SELECT AP TYPE	Selects the AP type to be used if only one type of AP is simultaneously available in one system. When changing the AP type, restart the system (Mandatory option item). This value should be set first when setting WLAN. Select Dual AP for SMT-R2000.

	ACTION	DISPLAY
1.	Select the MMC number [849].	**849: WLAN CONFIG** **SELECT PROG ID**
2.	Press the [SPK] key to move to the Select menu.To activate registration, enter passcode first. Default is 0000.	**ENTER PASSWORD** ********
3.	Select whether to enable or disable WIP-5000M registration.	**REGISTER VoWLAN** **ENABLE**
4.	Clear the registration of the handset.	**WIP REGIST CLEAR** **3301: FORCED**
5.	Select whether to use a Static WIP IP.	**STATIC WIP IP** **DISABLE**

MMC: 849-DUAL-BAND

6. Select the type of AP to be installed. BASIC type is not available to North America.

```
SELECT AP TYPE
DUAL AP
```

RELATED PROGRAMS: MMC 846 WIP INFO
MMC 848 WLAN IP/MAC

MMC: 850 SHOW SYSTEM RESOURCES

DESCRIPTION:

This MMC is used to review available system resources. This is a READ ONLY MMC and will display the number of free and used system resources.

SYSTEM RESOURCES

DTMFR DSP's	USE: XXX	FREE: XXX
CID (Caller ID) DSPs	USE: XXX	FREE: XXX
R2MFC DSP'S	USE: XXX	FREE: XXX
CONF GROUPS	USE: XXX	FREE: XXX

PROGRAM KEYS

UP & DOWN	Used to scroll through resource options
SPEAKER	Used to advance to next MMC.

ACTION **DISPLAY**

1. Press TRANSFER 850.
   Display shows.

   ```
   DTMFR DSP's
   USE:000 FREE:004
   ```

2. Press UP or DOWN arrows to scroll through other resources.

   ```
   CID DSP's
   USE:000 FREE:000
   ```

   To exit press TRANSFER to exit
   OR
   Press SPEAKER to advance to next MMC.

DEFAULT DATA: NONE

RELATED ITEMS: NONE

MMC: 851 ALARM REPORTING

DESCRIPTION:

This MMC is used to view, store, print or clear system alarms. There are two levels of faults displayed via alarm code, major alarms and minor alarms. Major alarms codes are usually service affecting and require a certified technician to determine the fault. A minor alarm indicates a fault that may or may not be service affecting and usually does not seriously degrade the systems operating capabilities. The alarm buffer will hold up to 100 alarms on a first in - first out (FIFO) basis. Alarms will provide a date and time stamp based on the system time. If applicable the hardware cabinet, port, and/or slot will be displayed. If an ALARM SIO port is programmed (MMC 804) alarm information can be printed on demand and also prints as alarm information is provided.

ALARM REPORTING OPTIONS (Select one of the options)

0	VIEW ALARM	View alarm buffer
1	OVERFLOW CONTROL	OVERWRITTEN – When buffer is full, the oldest entry in buffer overwritten. STOP RECORDING – When buffer is full, stop recording alarms.
3	CLEAR ALARM BUF	Clears alarm buffer.
4	PRINT ALARM BUF	Prints contents of alarm buffer to the assigned alarm IO port.

ALARM CODE LOCATION DEFINITION (See Alarm Code Table)

C: Cabinet number
S: Slot number
P: Port number

Note: Cabinet, slot and port do not apply to all alarm codes

MMC: 851

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 851. Display shows.	SYS ALARM REPORT VIEW ALARMS
2. Enter desired option or press the up and down keys and press the RIGHT soft key to select the desired option.	SYS ALARM REPORT VIEW ALARMS
3. System displays the alarm count number, date and time stamp (uses station, configuration for display format, date, time will be 24 hour format). Alarm type and cause code will display.	[01] 02/18 14:30 MNF02 C1-S8
4. Press UP or DOWN arrows to scroll through other alarms.	[02] 02/18 14:36 MNE05 C1-S08-P19
5. To return to Alarm Options, press left soft key and choose new option OR Press TRANSFER to exit OR Press SPEAKER to advance to next MMC.	

DEFAULT DATA: ALARM BUFFER OVERWRITTEN

RELATED ITEMS: MMC 852 ALARM KEY ASSIGNMENTS

MMC: 852 SYSTEM ALARM ASSIGNMENTS

DESCRIPTION:

This MMC allows the assignment of system alarms to ring and display the alarms on stations that have the Alarm Key assigned. The System Alarm Key is programmed in Station Key Assignments (MMC 722). System Alarm key programming is tenant wide (tenant 1 and 2). Alarms not programmed to report to the System Alarm key will still be retained in the maintenance alarm buffer for Alarm Reporting (MMC 851). The alarm buffer will hold up to 100 alarms on a First In - First Out (FIFO) basis. Pressing the System Alarm key will silence the audible alarm until another alarm is generated by the system. Alarm conditions that have multiple causes i.e. T1 errors and synchronization loss will print all associated alarm information if an SIO port is programmed as an ALARM port. The specific fault alarm data can be displayed via MMC 851 System Alarm Reporting.

NOTE: Alarm Notification Off/On (0/1) determines if the alarm provides a visual and audible notification to the System Alarm key station(s).
Pressing the System Alarm key and the release key will silence the audible alarm only at the station that pressed the System Alarm key and the release key. See alarm displays table for assignments.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 852. Display shows.	01:MJA01 ACT:OFF POR Restart
2. Enter desired Alarm Display number (eg. 16) OR Press the up and down keys to select desired option and press the right soft key and to advance the cursor.	16:MJC05 AC:OFF AC Pwr Loss
3. To select if the alarm is active press 1 for YES and 0 for NO. An entry will advance the cursor to return to step 2.	16:MJC05 AC:OFF AC Pwr Loss

MMC: 852

4. Press UP or DOWN to select desired option
   OR
   Press TRANSFER to return to normal display
   OR
   press SPEAKER to advance to next MMC.

```
16:MJC05 AC:OFF
AC Pwr Loss
```

DEFAULT DATA: **ALL OFF**

RELATED ITEMS

MMC 501 SYSTEM TIMERS (ALARM REMINDER INTERVAL, ALARM REMINDER RING OFF TIMERS)
MMC 722 STATION KEY ASSIGNMENT
MMC 723 SYSTEM WIDE KEY ASSIGNMENTS
MMC 851 SYSTEM ALARM REPORTING
MMC 853 MAINTENANCE BUSY

MMC: 852

ALARM CODE DEFINITIONS

No	Code	Alarm Name	Definition
-	**MJA--**	**MCP1 Error**	**System Fault**
01	MJA01	POR Restart	MCP1 restart process has been executed via power on restart(POR).
02	MJA02	Soft Restart	MCP1 restart process has been executed viA button reset.
03	MJA03	Mem Reset	The system RAM has been cleared via manual programming(PCMMC or KMMC) resulting in a system reset.
04	MJA04	MCP Reset	The MCP1 has S/W exception error. Alarm data = Reason - BUS ERR: Restart Bus Error - ADDR.ERR: Restart Address Error - ILLEGAL: Restart Illegal opcode - ZERO DIVID: Restart Zero divide - PRIVILEGE: Restart Privilege Violation - ENDL LOOP: Restart Endless Loop
06	MJA06	PCM Switching	A fault has occurred in the Switching Control
	MJA10	SW Exception Reset	
	MJA11	SP Restart	SCP Reset
-	**MJB--**	**LCP/TASK Error**	**LCP or TASK Fault**
09	MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MCP1.
-	**MJC--**	**DSP Error**	**System DSP Fault**
16	MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data = DTMF Receiver number(BASE, MISC)
17	MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources. Alarm data = TONE Receiver number(BASE, MISC)
25	MJC10	AA-DTMF Fault	An abnormal fault reported in one of the AA card DTMF resources. Alarm data = Slot(Slot#x)
26	MJC11	AA-MFR Rec	An abnormal fault reported in one of the AA card DTMF resources has recovered. Alarm data = Slot(Slot#x)
31	MJC16	WLI Restart	The WLI card has restarted. Alarm data = Slot(Slot#x)

MMC: 852

No	Code	Alarm Name	Definition
32	MJC17	WLI Block	The WLI card has blocked because the system detects the card does not work correctly. Alarm data = Slot(Slot#x)
-	**MJD--**	**DTRK Error**	**ISDN or E1 card Fault**
33	MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
34	MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
35	MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm data = Slot(Slot#x)
36	MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm data = Slot(Slot#x)
37	MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm data = Slot(Slot#x)
38	MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm data = Slot(Slot#x)
39	MJD07	Blue Alarm	All one's being transmitted on facility on TEPRI card. Alarm data = Slot(Slot#x)
40	MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm data = Slot(Slot#x)
41	MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds $1x10^{-6}$ errors. Note: $1x10^{-6}$ is threshold for minor alarm, 1×10^{-3} is threshold for major alarm errors on E1,PRI or BRI. Alarm data = Slot(Slot#x)
42	MJD10	NTWRK Event	An Implausible event has occurred on the PRI or BRI Network digital line. Protocols do not match or subscriber ID mismatch. Alarm data = Slot(Slot#x)
43	MJD11	SPID Init Error	The BRI received an error from the network Alarm data = Slot(Slot#x)
44	MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm data = Slot(Slot#x)
45	MJD13	LPBK Error	Internal on demand loopback failed. Alarm data = Slot(Slot#x)
46	MJD14	LPBK Recovery	Internal on demand loopback test passed. Alarm data = Slot(Slot#x)
47	MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm data = Slot(Slot#x)

MMC: 852

No	Code	Alarm Name	Definition
48	MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm data = Slot(Slot#x)
49	MJD17	RAM Error	An error has occurred in the TEPRI or BRI card RAM. Alarm data = Slot(Slot#x)
-	**MJD--**	**DTRK Error**	**ISDN or T1 card Fault**
50	MJD18	T1 Restart	The T1 card has restarted Alarm data = Slot(Slot#x)
51	MJD19	PRI Restart	The PRI card has restarted Alarm data = Slot(Slot#x)
52	MJD20	BRI Restart	The BRI card has restarted Alarm data = Slot(Slot#x)
53	MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm data = Slot(Slot#x)
54	MJD22	PCM Recovery	Loss of PCM coding on a digital facility. Alarm data = Slot(Slot#x)
-	**MJE--**	**MGI Error**	**MGI card Fault**
55	MJE01	MGI Restart	The MGI card has restarted Alarm data = Slot(Slot#x)
56	MJE02	MGI Stop	The MGI card has stoped Alarm data = Slot(Slot#x)
57	MJE03	MGI IP Duplicate	The MGI card IP address is duplicated Alarm data = Slot(Slot#x)
58	MJE04	MGI NTWK Error	The MGI card has blocked because the system detects the card doesn't response via network link. External ping test. Alarm data = Slot(Slot#x)
59	MJE05	MGI NTWK Rec	The MGI card has restarted because the system detects the card does response via network link. External ping test. Alarm data = Slot(Slot#x)
60	MJE06	MGI DSP Error	The MGI card DSP has blocked because the system detects the card DSP runs not correctly. Alarm data = Slot(Slot#x)
61	MJE07	MGI DSP Run	The MGI card DSP has restarted because the system detects the card DSP runs incorrectly. Alarm data = Slot(Slot#x)
62	MJE08	WBS Disconnect	Indicates the WBS is disconnected. Alarm Data = CWBS:xx or BWBS:xx

MMC: 852

No	Code	Alarm Name	Definition
63	MJE09	WBS connect	Indicates the WBS is connected. Alarm Data = CWBS:xx or BWBS:xx
-	**MNF--**	**Minor Error**	**Minor Fault with Alarm Buffer saving**
64	MNF01	Card Out	A circuit card mounted in a universal slot has been removed from service or is not recognized by the system Alarm data = Slot(Slot#x)
65	MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm data = Slot(Slot#x)
66	MNF03	IPC Error	Inter processor communication error has occurred. Alarm data = Slot(Slot#x)
67	MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm data = Slot(Slot#x)
68	MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. Alarm data = Slot(Slot#x)
69	MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm data = Slot(Slot#x)
70	MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. Alarm data = Slot(Slot#x)
71	MNF08	SIO TxQ Over	SIO Tx Queue full error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
72	MNF09	SIO TxQ Under	SIO Tx Queue under error has occurred in the MCP2. Alarm Data = SIO number(SIO: x)
73	MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm data = Slot(Slot#x)
74	MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm data = Slot(Slot#x)
75	MNF12	SIO Out	IO port has lost DTR Alarm Data = SIO number(SIO: x)
76	MNF13	SIO In	IO port has regained DTR. Alarm Data = SIO
77	MNF14	TODC Error	Time of Day Clock in the MCP1 has erred.
81	MNF18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. Alarm data = Slot(Slot#x)

MMC: 852

No	Code	Alarm Name	Definition
82	MNF19	SLI Recovery	An SLI card detected as out of service has been detected as recovered and is in service via internal CODEC test. Alarm data = Slot(Slot#x)
84	MNF21	DSS Alarm	System capacity of 64 button DSS modules has been exceeded.
87	MNF28	LAN Printer Err	LAN printer error has occurred in the MCP1. Alarm Data = Data Type(SMDR)
88	MNF29	LAN Printer Rec	LAN printer error has recovered in the MCP1. Alarm Data = Data Type(SMDR)
89	MNF30	SPNet Link Error	SPNetworking Line Error
90	MNF31	SPNet Send Error	SPNetworking Send Error
-	**MNG--**	**Minor Error**	**Minor Fault without Alarm Buffer saving**
89	MNG01	Phone Disconnect	Indicates the Phone is disconnected. Alarm Data = Tel number or Slot#
90	MNG02	Phone Connect	Indicates the Phone is connected. Alarm Data = Tel number or Slot#
91	MNG03	Off Hook Alarm	Indicates the Extension is Off Hook Alarm time over. Alarm Data = Tel number or Slot#
92	MNG04	On Hook	Indicates the Off Hook Alarm Extension is on hook. Alarm Data = Tel number or Slot#
93	MNG05	MGI Packet Loss	Indicates the MGI connection RTP packet loss is more than 10 %. Alarm Data = Tel number or Slot#
94	MNG06	MGI Packet Delay	Indicates the MGI connection RTP packet delay is more than 500 ms. Alarm Data = Tel number or Slot#

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, AA ports or 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
3 AA	=	Auto Attendant card ports
4. DTMFR:DSP	=	DSP # 01-48
5. CID:DSP	=	CID DSP # 01-42
7. CONF:GRP	=	CONF:GRP #01-24
8. MGI		

NOTE: Selectable conditions 0 = idle state
1 = busy state

NOTE: In cases of DSP/ CID DSP selection when DSP is not mounted display will show NONE. If mounted display will show IDLE by default.

PROGRAM KEYS

UP & DOWN	Scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor or select option
SPEAKER	Used to advance to next MMC
TRANSFER	Exit

MMC: 853

ACTION	DISPLAY
1. Press TRANSFER 853. Display shows busy functions.	MAINTENCE BUSY TRK :NONE ->
2. Press UP or DOWN to select function and press RIGHT soft key to move cursor.	MAINTENCE BUSY STN :NONE ->
3. Enter station number OR Press UP or DOWN to select station and press RIGHT soft key to move cursor.	MAINTENCE BUSY STN :201->IDLE
4. Press 1 to make busy or 0 to make idle OR Press UP or DOWN to select condition and press RIGHT soft key enter and to move cursor.	MAINTENCE BUSY STN :201->BUSY
5. Press UP or DOWN to select another area OR	MAINTENCE BUSY STN :201->BUSY
6. Press TRANSFER to exit Press SPEAKER to advance to the next MMC.	

DEFAULT DATA: **ALL IDLE**

RELATED ITEMS: MMC 851 ALARM REPORTING
MMC 852 ALARM KEY ASSIGNMENTS

MMC: 854 DIAGNOSTIC TIME

DESCRIPTION:

Provides a means to set the OfficeServ 100 Diagnostic Time. The OfficeServ 100 diagnostics tests include memory audits, internal loopback tests on digital trunks, DSP, CID DSP, AA DSP tests. Additional tests include CODEC tests on analog trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the test and retry during the next programmed diagnostic time. It is recommended to assign the diagnostic time during non-peak traffic periods.

DIAL PAD DAY SELECTION:

0= Sunday	2 = Tuesday	4 = Thursday
6 = Saturday	1= Monday	3 = Wednesday
5 = Friday		

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 854. Display shows.	DIAGNOSTIC TIME SUN: :
2. Press RIGHT soft key to move cursor.	DIAGNOSTIC TIME SUN:_ :
3. Enter military time hour via the dial pad. Cursor will advance to next entry.	DIAGNOSTIC TIME SUN:23:
4. Enter military time minutes via the dial pad. Cursor will advance to Step 1.	DIAGNOSTIC TIME SUN:23:30
5. Press UP or DOWN key to make selection. Press RIGHT soft key to make change and return to step 2 OR	DIAGNOSTIC TIME WED: :

MMC: 854

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

DEFAULT DATA: **NO DIAGNOSTIC TIME SET**

RELATED ITEMS: **MMC 852 MAINTENANCE ALARMS**
MMC 853 ALARM KEY ASSIGNMENTS

MMC: 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.

MODEM This would indicate that programming was accessed by OfficeServ™ Manager (OSM) via the integrated V90 modem attached to the Left side of the main cabinet.

LAN This would indicate that programming was accessed by OfficeServ™ Manager (OSM) via the LAN connection.

SIO X This would indicate that programming was accessed by OfficeServ™ Manager (OSM) via one of the SIO connections where X is the number (2~3) of the SIO port that was 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

ACTION

1. Press TRANSFER 856.
   Display shows.

DISPLAY

```
(1) 10/30   01:24
207:10/30   01:25
```

MMC: 856

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.

```
PROG LOG ENTRY:3
06/09 18:15 SIO 1
```

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	DISPLAY
1. Press TRANSFER 858. Display shows.	01:MJA01 ACT:OFF POR Restart
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	01:MJA01 ACT:ON POR Restart
3. Press UP or DOWN to select desired option then follow instructions in step 2.	09:MJA02 ACT:OFF Memory Alarm 1
4. Press TRANSFER to store and EXIT OR Press SPEAKER to advance to next MMC.	

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
MCP 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	When this option is set to 500 the system will have a maximum of 500 system speed dial bins numbered 500 to 999. When set to 950 the system will have a maximum of 950 system speed dial bins numbered 050 to 999. Station speed dial bins will be 000 to 049. Note: Personal speed dial number changes from 2 digits to 3 digits when 950 is selected.
2	IDLE WHEN ENBLOCK	When this option is enabled the ITP-5121D keyset will receive incoming calls when dialing out before the SEND button is pressed. When disabled an incoming call will appear as a call waiting call if idle CALL key is available. Note: This option has no effect if #3 below is disabled.
3	2 LINE ENBLOCK	When this option is enabled the ITP-5121D keyset can dial a telephone then press the SEND button to place the call. This operates like a cell phone. When disabled the ITP-5121D sends each digit as you dial it.
4	LP TRK TONE DISC	When this is set to ON, loop trunk can be disconnected by detecting busy tone.

MMC: 861

PROGRAM KEYS

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

ACTION	DISPLAY
1. Press TRANSFER 861. Display shows.	**AUTO UPDATE TIME DISABLE**
2. Dial option number from above list (0–3) OR Press UP or DOWN key to select option and press RIGHT soft key to move cursor.	
3. Press UP or DOWN key to select and press RIGHT soft key to return to step 2.	**SYSTEM SPEED BIN MAX 500**
4. Press TRANSFER to store and exit OR Press SPEAKER to store and advance to next MMC.	

DEFAULT DATA: **AUTO TIME UPDATE DISABLE**
SYSTEM SPEED BIN MAX 500
IDLE WHEN ENBLOCK DISABLE
2 LINE ENBLOCK DISABLE
LP TRK TONE DISC: DISABLE

RELATED ITEMS: **MMC 110 STATION ON & OFF**
MMC 606 ASSIGN SPEED BLOCK
MMC 705 ASSIGN SYSTEM SPEED DIAL

MMC: 890 PORT CLEAR

DESCRIPTION:

This program allows the user to initialize items related to call process or DB for specific station or C.O. line. This will return the port to default condition.

PROGRAM KEYS

UP & DOWN	Used to scroll through system alarms.
KEYPAD	Used to enter selections
SOFT KEYS	Enter/leave option
SPEAKER	Used to store data and move to next MMC
TRANSFER	Enter/exit MMC

ACTION	DISPLAY
1. Press TRANSFER 890. Display shows.	[201] CALL CLEAR ARE YOU SURE?NO
2. Enter the station or C.O. line OR Press VOLUME to select the station or C.O. Line and press the RIGHT soft button to move the cursor.	[202] CALL CLEAR ARE YOU SURE?NO
3. Select [0] to initialize the call process part OR [1] to initialize DB.	[202] DB INITIAL ARE YOU SURE?NO
4. Press [1] to initialize, or [0] to cancel.	[202] DB INITIAL ARE YOU SURE?YES
5. Press TRANSFER to exit the program OR Press SPEAKER to move on to the next program.	

DEFAULT DATA: NONE

RELATED ITEMS NONE

PART 3. RECORD SHEETS

3.1 BLANK DATA RECORD SHEETS

The following blank data record sheets are provided for you to record the programmed data for each system you install.

USEFUL GUIDELINES

A. Keep a record of each system programming in a safe place on-site.

B. Use a pencil to record the data. Ink cannot easily be erased or changed.

C. Always update the record sheets when changes are made to the system database.

D. These sheets may be copied as needed.

OfficeServ 100
DATABASE FORMS

CUSTOMER NAME: _____

ADDRESS: _____

_____

_____

_____

TELEPHONE NUMBER: _____

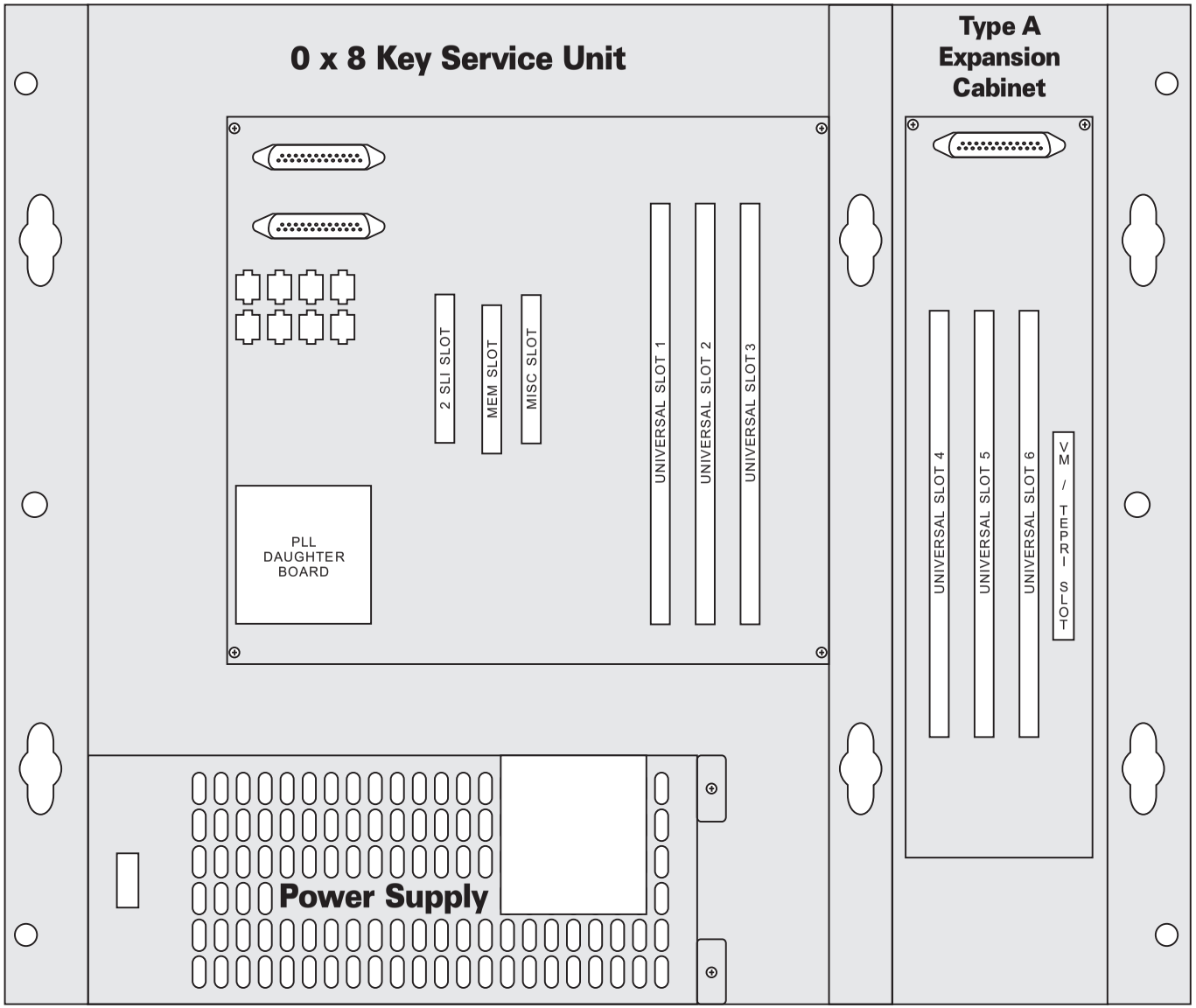
SYSTEM VERSION: _____

SLP: _____

LCP: _____

LAN: _____

DATABASE CONTAINS _____ SHEETS



SYSTEM CONFIGURATION FOR: _____

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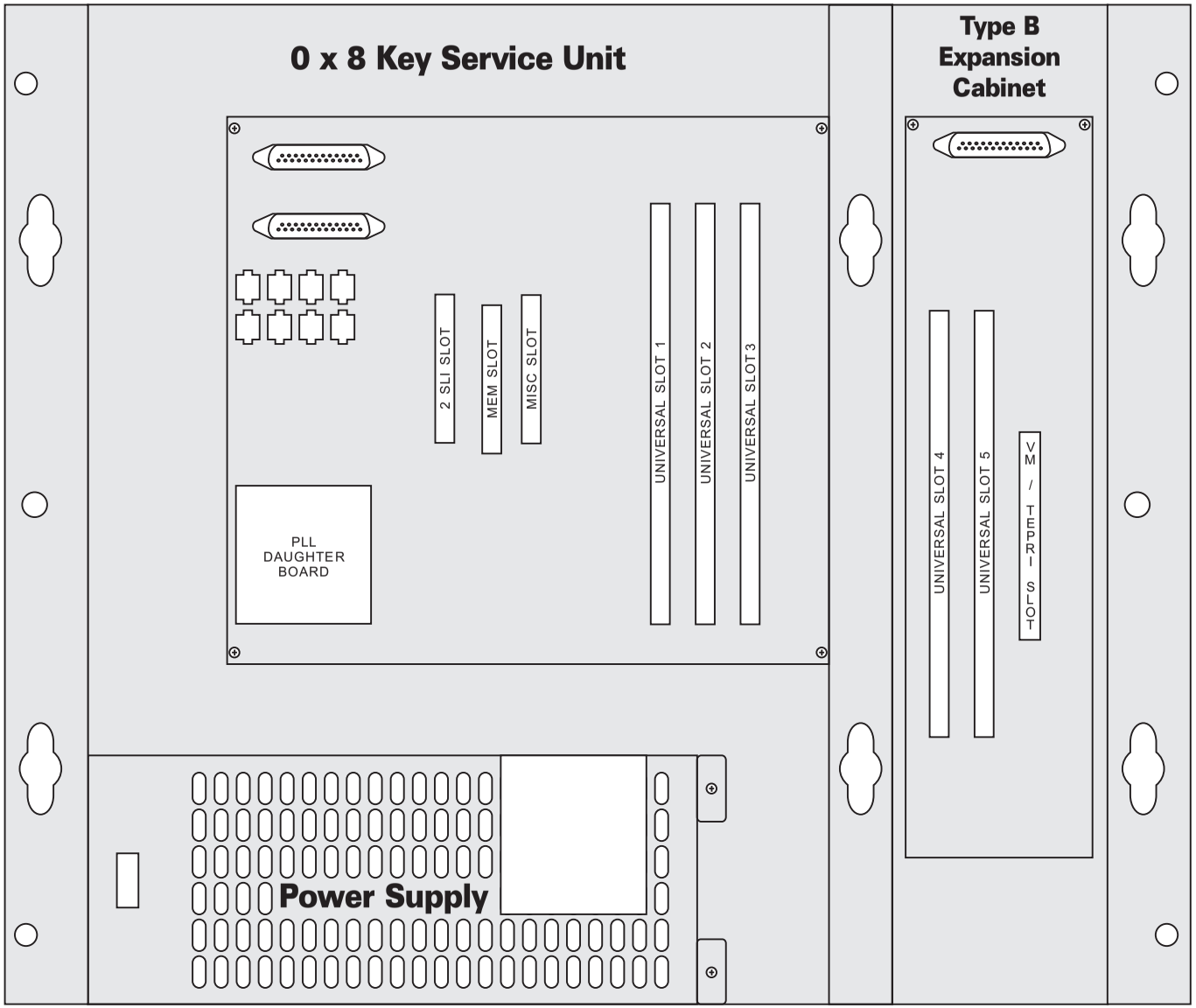

SYSTEM CONFIGURATION FOR: _____

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STATION DATA RECORD SHEET

EXT	C/S/P	NAME	TYPE	P/U	PAGE	COS1	COS2	COS3	COS4	COS5	COS6	T	USE GROUPS	STN GROUPS

DEFAULT DATA: NO NAMES
11 CHARACTERS

COPY AS NEEDED

04/05

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TRUNK DATA RECORD SHEET

TRK	C/S/P	NAME	NUMBER	PORT	1A2	FWD	LINE	DIAL	TOL1	TOL2	TOL3	TOL4	TOL5	TOL6	RP1	RP2	RP3	RP4	RP5	RP6	DISA1	DISA2	DISA3	DISA4	DISA5	DISA6

DEFAULT DATA: NO NAMES
11 CHARACTERS

COPY AS NEEDED

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MMC 105 & 106 STATION SPEED DIAL			
EXT	BIN	SPEED DIAL NUMBER	SPEED DIAL NAME

See the bin numbers amount in MMC 606.

MMC 107	KEY EXTENDER				
LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

32 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:

32 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:

DCS, DS and 64 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:
33:	34:	35:	36:
37:	38:	39:	40:
41:	42:	43:	44:
45:	46:	47:	48:
49:	50:	51:	52:
53:	54:	55:	56:
57:	58:	59:	60:
61:	62:	63:	64:

DCS AND iDCS 64 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:
33:	34:	35:	36:
37:	38:	39:	40:
41:	42:	43:	44:
45:	46:	47:	48:
49:	50:	51:	52:
53:	54:	55:	56:
57:	58:	59:	60:
61:	62:	63:	64:

iDCS 28 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 28 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

IDCS 18 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 18 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5112L	EXT NO.		
01:	31:	61:	91:
02:	32:	62:	92:
03:	33:	63:	93:
04:	34:	64:	94:
05:	35:	65:	95:
06:	36:	66:	96:
07:	37:	67:	97:
08:	38:	68:	98:
09:	39:	69:	99:
10:	40:	70:	
11:	41:	71:	
12:	42:	72:	
13:	43:	73:	
14:	44:	74:	
15:	45:	75:	
16:	46:	76:	
17:	47:	77:	
18:	48:	78:	
19:	49:	79:	
20:	50:	80:	
21:	51:	81:	
22:	52:	82:	
23:	53:	83:	
24:	54:	84:	
25:	55:	85:	
26:	56:	86:	
27:	57:	87:	
28:	58:	88:	
29:	59:	89:	
30:	60:	90:	

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

MMC 119	CALLER ID/ANI DISPLAY		
STATION NUMBER	CID	ANI	CLI

Default is number only.

MMC 201	CHANGE CUSTOMER PASSCODE
PASSCODE	

MMC 202	CHANGE FEATURE PASSCODE
RING PLANS	
DISA ALARM	
ALARM CLEAR	
AA RECORD	

MMC 203	ASSIGN UA DEVICE
UA DEVICE	DEVICE LOCATION
RING PAGE	
STATION	
COM BELL	
STATION GROUP	

MMC 204	COMMON BELL CONTROL
COMMON BELL	DEVICE NUMBER
INTERRUPTED	
CONTINUOUS	

MMC 205	ASSIGN LOUD BELL	
LOUD BELL	DEVICE NUMBER	EXT NUMBER

MMC 206	BARGE-IN TYPE
TYPE	

Barge in options are: NO BARGE IN = 0
WITH TONE = 1
WITHOUT TONE = 2

MMC 207	ASSIGN VM/AA PORT					
EXT	VM/AA	EXT	VM/AA	EXT	VM/AA

MMC 208 ASSIGN RING TYPE

EXT	DATA		ICM RING	C.O. RING

COPY AS NEEDED 04/05 SHEET _____ OF _____

MMC 209 ASSIGN ADD-ON/64 B MODULE

AOM/64B	MASTER	AOM/64B	MASTER	AOM/64B	MASTER

Enter AOM station number and MASTER station number, e.g., 288 is the AOM unit and 201 is the MASTER station unit assigned to the AOM.

MMC 210 CUSTOMER ON/OFF PER TENANT

	ON	OFF		ON	OFF
DISA PSWD			TRSF CANCEL		
LCR ENABLE			ISDN PROGCON		
PERI UCD RPT			DSS KEY DPU		
CID CODE INS			BEGN DGT DSP		
DISA MOH			ONE TCH FACC		
TRANSFER MOH			SGR ALL OUT		
DID BSY ROUT			CHAIN FWD		
ALARM MOH			TRUNK MONITOR		
RECALL PICKUP			VoIP MFRALOC		
ICM EXT FWD			NTWK AUTOTMR		
SEC 2 BOSS AA			PERI UCD SIO		
DID ERR TONE			REDIAL REVW		

MMC 211 DOOR RING ASSIGNMENT

DOOR	DEVICE	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6	NAME

MMC 300 CUSTOMER ON/OFF PER STATION

EXT	ACCESS DIAL	MIC	OFF-HOOK RING	SMDR PRINT	TGR ADV TONE	VM/AA FORWARD	INTRCOM SMDR

MMC 301 ASSIGN STATION COS

EXT	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6	EXT	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6	EXT	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6

See also MMCs 507 and 701. Enter value of 01–30 for class of service.

MMC 302 PICKUP GROUPS

PICKUP GROUP NO.			

PICKUP GROUP NO.			

PICKUP GROUP NO.			

See also MMCs 107, 722, 723 and 724. There is a maximum of 20 pickup groups in the OfficeServ 100 system. An unlimited number of members can belong to each group.

MMC 303 ASSIGN EXECUTIVE/SECRETARY

	SECRETARY
EXECUTIVE	

	SECRETARY
EXECUTIVE	

	SECRETARY
EXECUTIVE	

	SECRETARY
EXECUTIVE	

	SECRETARY
EXECUTIVE	

	SECRETARY
EXECUTIVE	

One executive can have a maximum of four secretaries. Only one secretary can be assigned to an executive. See also MMCs 107, 722 and 724.

MMC 304			ASSIGN EXTENSION/TRUNK USE				
EXT GROUP	TRK GROUP	DIAL	ANS		EXT GROUP	TRK GROUP	DIAL	ANS

Enter a value of YES or NO for each station use group and trunk use group. Default is set to YES for all stations and trunks.

MMC 305	ASSIGN FORCED CODE		
EXTENSION	ACCOUNT	ACCOUNT NOT VERIFIED	AUTHORIZATION

MMC 306 HOT LINE	
STATION NUMBER	DESTINATION

See also MMC 502. This entry is for hot line calling in the system.

MMC 308	ASSIGN BACKGROUND MUSIC SOURCE		
EXT	SOURCE	EXT	SOURCE

Default is set to NONE.

MMC 309 ASSIGN STATION MUSIC ON HOLD			
EXT	SOURCE	EXT	SOURCE

Default is set to NONE.

MMC 310 LCR CLASS OF SERVICE

EXT	LCRCOS	EXT	LCRCOS	EXT	LCRCOS

See also MMC 712.

DEFAULT DATA: ALL STATIONS SET TO 1. OPTIONS ARE CLASSES 1–8.

MMC 312	ALLOW CALLER ID	
EXT NUMBER	CID NOT ALLOW	CID ALLOW

MMC 400		CUSTOMER ON/OFF PER TRUNK		
TRK NUM	1A2 EMUL	TRK FWD	TRK INC DND	EFWD EXT CLI

See also MMCs 406, 722 and 723.

DEFAULT DATA:

1A2 EMULATE	OFF
TRK INC. DND	ON
TRK FORWARD	ON
EFWD EXT CLI	ON

MMC 401 C.O./PBX LINE

TRK NUM	PBX LINE	CO LINE	TRK NUM	PBX LINE	CO LINE

Enter CO LINE or PBX LINE for one or all trunks. Default is CO LINE.

MMC 402 TRUNK DIAL TYPE

TRK NUM	DTMF	ROTARY	TRK NUM	DTMF	ROTARY

Enter DTMF or DIAL PULSE for one or all trunks.

MMC 403	TRUNK TOLL CLASS					
TRK	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6

Default is follow station (F-STN) for all ring plans. Options are F-STN and CLS-A–CLS-H.

MMC 404	TRUNK NAME										
TRUNK	NAME										

DEFAULT DATA: NO NAMES
11 characters.

MMC 405	TRUNK NUMBER										
TRUNK	NUMBER										

DEFAULT DATA: NO NUMBERS
11 characters.

MMC 406 TRUNK RING ASSIGNMENT

TRK NUM	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6	TRK NUM	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6

DEFAULT DATA: STATION GROUP 500
RING PLAN 01

MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE			
TRK	SOURCE	TRUNK	SOURCE

Default is set to TONE.

MMC 409	TRUNK STATUS READ		
TRUNK	STATUS		
	00	=	PORT NUMBER
	01	=	TYPE
	02	=	1A2 EMULATION
	03	=	TRK FWD STATUS
	04	=	LINE (C.O./PBX)
	05	=	DIAL (DTMF/DP)
	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

MMC 410 ASSIGN DISA TRUNK

TRUNK NUMBER	STATUS	
	NORMAL	
	RING PLAN 1	
	RING PLAN 2	
	RING PLAN 3	
	RING PLAN 4	
	RING PLAN 5	
	RING PLAN 6	
TRUNK NUMBER	STATUS	
	NORMAL	
	RING PLAN 1	
	RING PLAN 2	
	RING PLAN 3	
	RING PLAN 4	
	RING PLAN 5	
	RING PLAN 6	
TRUNK NUMBER	STATUS	
	NORMAL	
	RING PLAN 1	
	RING PLAN 2	
	RING PLAN 3	
	RING PLAN 4	
	RING PLAN 5	
	RING PLAN 6	

Enter trunk ID and option desired. Default data is NORMAL.

MMC 411	ASSIGN T1 SIGNAL TYPE	
TRUNK NUMBER	T1 SIGNAL TYPE	T1 LINE TYPE

Enter trunk number, e.g. 701, a signal value (immediate, delay, wink, loop, ground, PRI) and a type value (loop, ground, E & M, DID, unused). See also MMC 714.

MMC 412 ASSIGN TRUNK SIGNAL			
TRUNK NUMBER	IMMD	WINK	DELAYED

Enter the trunk number, e.g. 701, and a signal value (immediate, delay, wink). See MMC 714 for translation.

MMC 414	ASSIGN CALLER ID TRUNKS	
TRUNK NUMBER	CID/ANI TRK	NORMAL

Enter trunk number, e.g., 701, to allow the trunk to use CID/ANI information.

MMC 416	ASSIGN E & M TRANSLATION	
TRUNK NUMBER	USE TABLE	NOT USE

Enter trunk number, e.g., 701, to use translation table. Use MMC 714 for translation.

MMC 500 SYSTEM-WIDE COUNTERS		
COUNTER	VALUE	NEW VALUE
ALARM REM. COUNTER	5	
AUTO RDL COUNTER	5	
DISA ICM COUNTER	99	
DISA LOCK COUNTER	3	
NEW CALL COUNTER	99	
UCDS VISUAL ALARM	0	
UCDS AUDIO ALARM	0	
UCD CS LEVEL 1	0	
UCD CS LEVEL 2	0	

MMC 501 SYSTEM TIMERS

TIMER NAME	VALUE	RANGE	NEW VALUE
AA INT DGT TIME	05 SEC	1–25 SEC	
AA NO ACT TIME	10 SEC	1–25 SEC	
ALARM TIMER	0100 MIN	0000-2500 MIN	
ALERT TONE TIMER	1000 MS	100–2500 MS	
ALM REM.INTERVAL	25 SEC	1–255 SEC	
ALM REM.RING OFF	10 SEC	1–25 SEC	
ATT.RECALL TIME	30 SEC	1–255 SEC	
AUTO REDIAL INT.	30 SEC	1–255 SEC	
AUTO REDIAL RLS.	45 SEC	1–255 SEC	
CALLBACK NO ANS	30 SEC	1–255 SEC	
CAMP ON RECALL	30 SEC	1–255 SEC	
CID DISPLAY TIME	05 SEC	1–25 SEC	
CID MSG RECEIVE	06 SEC	1–25 SEC	
CO CONFIRM TIME	003 MIN	1-255 MIN	
CO–CO DISCONNECT	20 MIN	0–255 MIN	
CONFIRM TONE TM	1000 MS	100–2500 MS	
DIAL PASS TIME	05 SEC	1–25 SEC	
DISA DISCONNECT	30 MIN	1–255 MIN	
DISA DTMF DETECT	000 SEC	0-255 SEC	
DISA LOCK OUT/TM	30 MIN	1–255 MIN	
DISA PASS CHECK	30 MIN	1–255 MIN	
DISPLAY DELAY TM	03 SEC	1–255 SEC	
DOOR LOCK RELES.	500 MS	100–2500 MS	
DOOR RING DETECT	50 MS	10–250 MS	
DOOR RING OFF TM	30 SEC	1–255 SEC	
E-HOLD RECALL TM	45 SEC	0–255 SEC	
EXT.FWD DELAY TM	10 SEC	1–255 SEC	
FIRST DIGIT TIME	10 SEC	1–255 SEC	
HOK FLASH MAX TM	800 MS	0010–2500MS	
HOK FLASH MIN TM	350 MS	0010–2500MS	
HOOK OFF TIME	200 MS	10–250 MS	
HOOK ON TIME	1000 MS	100–2500 MS	
INQUIRY RELEASE	30 SEC	1–255 SEC	
INTER DIGIT TIME	10 SEC	10–255 SEC	
ISDN INTER DIGIT TIMER	05 SEC	03-10 SEC	
KMMC LOCK OUT TM	30 SEC	10–255 SEC	
LCR ADVANCE TIME	05 SEC	1–255 SEC	
LCR INTER DIGIT	05 SEC	1–255 SEC	
MS LED ON TIME	10 SEC	1-10 SEC	
OFF HOK RING INT	15 SEC	1–255 SEC	
OFF HOOK SELECT	05 SEC	000–255 SEC	
OHVA ANSWER TIME	10 SEC	0–255 SEC	
PAGE TIME OUT	20 SEC	1–255 SEC	
PAGE TONE TIME	500 SEC	100–2500	
PARK RCALL TIME	45 SEC	0–255 SEC	
PC-MMC LOCK OUT	5 MIN	5–60 MIN	
PERI UCD REPORT	05 SEC	00-99 SEC	
POWER DOWN TIME	200 MS	100–9000 MS	
RECALL DISCONECT	45 MIN	1–255 SEC	

TIMER NAME	VALUE	RANGE	NEW VALUE
RECALL WAIT TIME	15 SEC	1–255 SEC	
SMDR START/DP	30 SEC	1–255 SEC	
SMDR START/DTMF	15 SEC	1–255 SEC	
SYS HOLD RECALL	45 SEC	0–255 SEC	
TRANSFER RECALL	15 SEC	0–255 SEC	
UCDS AUDIO ALARM	0 SEC	0–255 SEC	
UCDS VISUAL ALAM	0 SEC	0–255 SEC	
CADENCE CARD TONE INT TIME	000 SEC	030-255 SEC	

MMC 503	TRUNK-WIDE TIMER	
TRUNK	**TIMER**	**VALUE**
	ANS.BAK TM	
	CLEARING	
	CO SUPV TM	
	DTMF DUR	
	F-DGT DELY	
	FLASH TIME	
	NO RING TM	
	PAUSE TIME	
	RNG DET TM	
	WINK TIME	
	MF/DP INT	
	MFR DLY TIME	

	ANS.BAK TM	
	CLEARING	
	CO SUPV TM	
	DTMF DUR	
	F-DGT DELY	
	FLASH TIME	
	NO RING TM	
	PAUSE TIME	
	RNG DET TM	
	WINK TIME	
	MF/DP INT	
	MFR DLY TIME	

MMC 504	PULSE MAKE/BREAK RATIO
MAKE/BREAK RATIO	
PULSE PER SECOND	

System-wide trunk timer.

MMC 506	TONE CADENCE			
TONE	ON	OFF	ON	OFF
BUSY TONE				
CONFM/BARGE				
DIAL TONE				
DND/NO MORE				
ERROR TONE				
HOLD/CAMPON				
MSGWAT TONE				
RGBBACK TONE				
RING TONE				
TRSFER TONE				
DID RGBACK				

See MMC 506 for proper timers.

MMC 600 OPERATOR GROUP	
RING PLAN	GROUP
1	
2	
3	
4	
5	
6	

MMC 601	ASSIGN STATION GROUP		
RING MODE			
OVERFLOW			
GRP TRSF			
WRAP-UP			
NEXT PORT			
MEMBERS (MAX 48)			

MMC 602	STATION GROUP NAME
GROUP	NAME

MMC 603	ASSIGN TRUNK GROUP				
TRK GROUP	MODE				
MEMBER(S)					

TRK GROUP	MODE				
MEMBER(S)					

Enter valid trunk group number e.g., 9, 801–849. Enter mode type: SEQUENTIAL or DISTRIBUTE. Enter members, e.g., 701.

MMC 604 ASSIGN STATION TO PAGE ZONE

ZONE 0

ZONE 1

ZONE 2									

ZONE 3									

ZONE 4									

Each page zone can have up to 99 members. A keyset may be assigned to more than one zone.

MMC 605	ASSIGN EXTERNAL PAGE ZONE				
MEMBER	DN	5	6	7	8

Enter MEMBER 1–20, DN, e.g., 362, and 1 for the zone.

MMC 606 ASSIGN SPEED BLOCK	
STATION NUMBER	BIN

MMC 607 UCD OPTIONS

GROUP NO.		GROUP NO.	
MESSAGE 01		MESSAGE 01	
MESSAGE 02		MESSAGE 02	
EXIT CODE		EXIT CODE	
RETRY COUNT		RETRY COUNT	
FINAL DEST		FINAL DEST	
RING NEXT		RING NEXT	
UCD RECALL		UCD RECALL	
MUSIC ON HOLD		MUSIC ON HOLD	
WRAP UP		WRAP UP	
AUTO LOG OUT		AUTO LOG OUT	
ALLOUT→FINAL		ALLOUT→FINAL	

GROUP NO.		GROUP NO.	
MESSAGE 01		MESSAGE 01	
MESSAGE 02		MESSAGE 02	
EXIT CODE		EXIT CODE	
RETRY COUNT		RETRY COUNT	
FINAL DEST		FINAL DEST	
RING NEXT		RING NEXT	
UCD RECALL		UCD RECALL	
MUSIC ON HOLD		MUSIC ON HOLD	
WRAP UP		WRAP UP	
AUTO LOG OUT		AUTO LOG OUT	
ALLOUT→FINAL		ALLOUT→FINAL	

MMC 701 ASSIGN COS CONTENTS

COS #	TOLL LEVEL

ITEM	FEATURE	OPTION
00	AA CALER	
03	AUTO RDL	
04	CALLBACK	
05	CID ABND	
06	CID INQR	
07	CID INVT	
08	CONFER	
09	DALM CLR	
10	DIRECT	
11	DISA	
12	DND	
13	DND FWRD	
14	DND OVRD	
15	DOOR	
16	DSS	
17	DTS	
18	NOT USED	
19	EXT FWD	
20	FEATURE	
21	FLASH	
22	FOLOW-ME	
23	FORWARD	
24	NOT USED	
25	GRP I/O	
26	HOLD	
27	HOTLINE	
28	INTERCOM	
29	MESSAGE	
30	MM PAGE	
31	NEW CALL	
32	OHVAED	
33	OHVAING	
34	ONEA2	
35	OPERATOR	
36	OUT TRSF	
37	OVERRIDE	
38	PAGE 0	
39	PAGE 1	
40	PAGE 2	
41	PAGE 3	
42	PAGE 4	

ITEM	FEATURE	OPTION
43	PAGE 5	
44	PAGE 6	
45	PAGE 7	
46	PAGE 8	
47	PAGE 9	
48	PAGE *	
49	NOT USED	
50	PICKUP	
51	PRB	
52	REM. HOLD	
53	RNG PLAN	
54	SECURE	
55	SET RLOC	
56	SSPD TOL	
57	STN LOCK	
58	SYS SPD	
59	NOT USED	
60	VMCO CNF	
61	VM AREC	
62	VM AME	
63	VM REC	
64	STNGRP 01	
65	STNGRP 02	
66	STNGRP 03	
67	STNGRP 04	
68	STNGRP 05	
69	STNGRP 06	
70	STNGRP 07	
71	STNGRP 08	
72	STNGRP 09	
73	STNGRP 10	
74	STNGRP 11	
75	STNGRP 12	
76	STNGRP 13	
77	STNGRP 14	
78	STNGRP 15	
79	STNGRP 16	
80	STNGRP 17	
81	STNGRP 18	
82	STNGRP 19	
83	STNGRP 20	

COS #	TOLL LEVEL	ITEM	FEATURE	OPTION
		84	STNGRP 21	
		85	STNGRP 22	
		86	STNGRP 23	
		87	STNGRP 24	
		88	STNGRP 25	
		89	STNGRP 26	
		90	STNGRP 27	
		91	STNGRP 28	
		92	STNGRP 29	
		93	STNGRP 30	
		94	STNGRP 31	
		95	STNGRP 32	
		96	STNGRP 33	
		97	STNGRP 34	
		98	STNGRP 35	
		99	STNGRP 36	
		100	STNGRP 37	
		101	STNGRP 38	
		102	STNGRP 39	
		103	STNGRP 40	
		104	STNGRP 41	
		105	STNGRP 42	
		106	STNGRP 43	
		107	STNGRP 44	
		108	STNGRP 45	
		109	STNGRP 46	
		110	STNGRP 47	
		111	STNGRP 48	
		112	STNGRP 49	
		113	STNGRP 50	
		114	TRKGRP01	
		115	TRKGRP02	
		116	TRKGRP03	
		117	TRKGRP04	
		118	TRKGRP05	
		119	TRKGRP06	
		120	TRKGRP07	
		121	TRKGRP08	
		122	TRKGRP09	
		123	TRKGRP10	
		124	TRKGRP11	
		125	TRKGRP12	

ITEM	FEATURE	OPTION
126	TRKGRP13	
127	TRKGRP14	
128	TRKGRP15	
129	TRKGRP16	
130	TRKGRP17	
131	TRKGRP18	
132	TRKGRP19	
133	TRKGRP20	
134	TRKGRP21	
135	TRKGRP22	
136	TRKGRP23	
137	TRKGRP24	
138	TRKGRP25	
139	TRKGRP26	
140	TRKGRP27	
141	TRKGRP28	
142	TRKGRP29	
143	TRKGRP30	
144	TRKGRP31	
145	TRKGRP32	
146	TRKGRP33	
147	TRKGRP34	
148	TRKGRP35	
149	TRKGRP36	
150	TRKGRP37	
151	TRKGRP38	
152	TRKGRP39	
153	TRKGRP40	
154	TRKGRP41	
155	TRKGRP42	
156	TRKGRP43	
157	TRKGRP44	
158	TRKGRP45	
159	TRKGRP46	
160	TRKGRP47	
161	TRKGRP48	
162	TRKGRP49	
163	TRKGRP50	
164	VMSSTN01	
165	VMSSTN02	
166	VMSSTN03	
167	VMSSTN04	

COS #	TOLL LEVEL	ITEM	FEATURE	OPTION
		168	VMSSTN05	
		169	VMSSTN06	
		170	VMSSTN07	
		171	VMSSTN08	
		172	VMSSTN09	
		173	VMSSTN10	

ITEM	FEATURE	OPTION
174	VMSSTN11	
175	VMSSTN12	
176	VMSSTN13	
177	VMSSTN14	
178	VMSSTN15	
179	VMSSTN16	

MMC 702	TOLL DENY TABLE						
INDEX	EXT	COS B	COS C	COS D	COS E	COS F	COS G

Maximum number of deny indexes is 250 for a OfficeServ 100 system. See also MMC 704.

MMC 703	TOLL ALLOWANCE TABLE						
INDEX	EXT	COS B	COS C	COS D	COS E	COS F	COS G

Maximum number of allow indexes is 250 for a idcs 500-M system and 500 for a idcs 500-L system. See also MMC 704.

MMC 704	ASSIGN WILD CHARACTER											
	DIGITS TO BE ALLOWED OR DENIED											
TABLE	0	1	2	3	4	5	6	7	8	9	*	#
X												
TABLE	0	1	2	3	4	5	6	7	8	9	*	#
Y												
TABLE	0	1	2	3	4	5	6	7	8	9	*	#
Z												

See MMCs 702 and 703. Place a (1) in each box for the desired digit.

MMC 705	ASSIGN SYSTEM SPEED DIAL
BIN	SPEED DIAL NUMBER

MMC 706	SYSTEM SPEED DIAL BY NAME
BIN	NAME

MMC 707 AUTHORIZATION CODE

INDEX	CODE	COS		INDEX	CODE	COS

MMC 708	ACCOUNT CODE		
INDEX	ACCOUNT CODE	INDEX	ACCOUNT CODE

Enter account codes (maximum four digits). There are 999 available entries.

MMC 710	LCR DIGIT TABLE		
INDEX	LCR DIGIT STRING	LENGTH	ROUTE

There is a maximum of 2,000 entries with a digit string length of 10 numerical digits.

MMC 711	LCR TIME TABLE							
TIME CHANGE BANDS								
	A		B		C		D	
	HHMM	LCRT	HHMM	LCRT	HHMM	LCRT	HHMM	LCRT
DAY								
SUN								
MON								
TUE								
WED								
THU								
FRI								
SAT								

Day reflects the day of the week for time change for LCR route selection. HHMM reflects at what time selection will occur for LCR route change. Hours are entered in 24 hour format, e.g., 1:00 P.M. = 13:00 (two digits required). Minutes are entered in normal format (two digits required). LCRT reflects the entry in MMC 712 regarding what time element will be used. Entries are 1–4.

MMC 712	LCR ROUTE TABLE			
LCR ROUTE	TIME CHANGE	LCRCOS	TRK GROUP	MOD DIGITS

LCR ROUTE reflects 1–32 available routes assigned in MMC 710. TIME CHANGE reflects time entries (LCRT 1–4) in MMC 711. LCRCOS reflects entries in MMC 310. TRKGRP reflects entries in MMC 603. MD reflects the LCR MODIFY DIGITS TABLE entries in MMC 713.

MMC 713	LCR MODIFY DIGIT TABLE		
INDEX	NO. OF DELETE DIGITS (15)	NO. OF INSERT DIGITS (14)	NO. OF APPEND DIGITS (14)

MMC 714 DID NUMBER AND NAME TRANSLATION

INDEX	DIGITS RECEIVED	RING PLAN 1	RING PLAN 2	RING PLAN 3	RING PLAN 4	RING PLAN 5	RING PLAN 6	CW	DEL	NAME

Enter index (three digits, e.g., 005). Enter C.O. DIGITS RECEIVED from operating company, e.g., 5071. Enter YES or NO for call waiting. Enter station number or station group for day destination. Enter station number or station group for night destination. Enter name for DID trunk.

MMC 715	PROGRAMMED STATION MESSAGE
INDX	MESSAGE
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	

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

MESSAGES 11–25 ARE 16 CHARACTER BLANK MESSAGES

MMC 722 and 723 KEY PROGRAMMING					
LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 24B OR STD 24B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:
13:	14:	15:	16:	17:	18:
19:	20:	21:	22:	23:	24:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

LCD 12B OR BASIC 12B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:	08:	09:	10:	11:	12:

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

7B KEYSET					
EXT NO.					
01:	02:	03:	04:	05:	06:
07:					

32 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:

32 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:

DCS, DS AND iDCS 64 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:
33:	34:	35:	36:
37:	38:	39:	40:
41:	42:	43:	44:
45:	46:	47:	48:
49:	50:	51:	52:
53:	54:	55:	56:
57:	58:	59:	60:
61:	62:	63:	64:

DCS, DS AND iDCS 64 BUTTON ADD-ON MODULE			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:
09:	10:	11:	12:
13:	14:	15:	16:
17:	18:	19:	20:
21:	22:	23:	21:
25:	26:	27:	28:
29:	30:	31:	32:
33:	34:	35:	36:
37:	38:	39:	40:
41:	42:	43:	44:
45:	46:	47:	48:
49:	50:	51:	52:
53:	54:	55:	56:
57:	58:	59:	60:
61:	62:	63:	64:

iDCS 28 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 28 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:
11:	12:	13:	14:	15:
16:	17:	18:	19:	20:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 18 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 18 BUTTON KEYSET				
EXT NO.				
01:	02:	03:	04:	05:
06:	07:	08:	09:	10:

21:	25:
22:	26:
23:	27:
24:	28:

iDCS 14 BUTTON
31:
32:
33:
34:
35:
36:
37:
38:
39:
40:
41:
42:
43:
44:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

iDCS 8 BUTTON KEYSET			
EXT NO.			
01:	02:	03:	04:
05:	06:	07:	08:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5121D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

ITP-5112L	EXT NO.		
01:	31:	61:	91:
02:	32:	62:	92:
03:	33:	63:	93:
04:	34:	64:	94:
05:	35:	65:	95:
06:	36:	66:	96:
07:	37:	67:	97:
08:	38:	68:	98:
09:	39:	69:	99:
10:	40:	70:	
11:	41:	71:	
12:	42:	72:	
13:	43:	73:	
14:	44:	74:	
15:	45:	75:	
16:	46:	76:	
17:	47:	77:	
18:	48:	78:	
19:	49:	79:	
20:	50:	80:	
21:	51:	81:	
22:	52:	82:	
23:	53:	83:	
24:	54:	84:	
25:	55:	85:	
26:	56:	86:	
27:	57:	87:	
28:	58:	88:	
29:	59:	89:	
30:	60:	90:	

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

DS 5021D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:
15:	16:	17:	18:	19:	20:	21:

COPY AS NEEDED 05/06 SHEET ______ OF ______

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5014D KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:
08:	09:	10:	11:	12:	13:	14:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

DS 5007S & ITP 5107S KEYSET						
EXT NO.						
01:	02:	03:	04:	05:	06:	07:

MMC 724 DIAL NUMBERING PLAN

FEATURE	DEFAULT	NEW VALUE
ABAND	64	
ABS	NONE	
ACCT	47	
ALMCLR	57	
AUTH	*	
BARGE	NONE	
BLOCK	NONE	
BOSS	NONE	
CAMP	45	
CANMG	42	
CBK	44	
CONF	46	
CR	NONE	
DICT	NONE	
DIR	NONE	
DIRPK	65	
DISALM	58	
DLOCK	13	
DND	40	
DNDOVR	NONE	
FAUTO	14	
FLASH	49	
FWD	60	
GRPK	66	
GCONF	NONE	
HDSET	NONE	
HLDPK	12	
HOLD	11	
IG	53	
LCR	NONE	
LISTN	NONE	
LNR	19	
MMPA	56	
MMPG	54	
MSG	43	
MYGRPK	NONE	
NEW	NONE	
NIGHT	NONE	
OHVA	NONE	
OPER	O	
PAGE	55	
PAGPK	10	
PARK	NONE	
PAUSE	NONE	
PMSG	48	
REJECT	NONE	
RTO	NONE	
SELFID	NONE	
SETMG	41	
SLTMMC	15	
SNR	17	
SPEED	16	
UA	67	
VDIAL	681	
VMADM	NONE	
VMAME	NONE	
VMMEMO	#	
VMMSG	NONE	
VMSCMT	NONE	

MMC 724	DIAL NUMBERING PLAN	
FEATURE	DEFAULT	NEW VALUE
VMSMSG	NONE	
VMSOUT	NONE	
VMSREC	NONE	
VMSVAC	NONE	
VREC	682	
WCOS	59	

MMC 725	SMDR OPTIONS	
OPTIONS	DEFAULT	NEW
PAGE HEADER	YES	
LINE PER PAGE	50	
INCOMING CALL	NO	
OUTGOING CALL	YES	
AUTHORIZE CODE	NO	
SMDR START TIME	YES	
IN/OUT GROUP	NO	
DND CALL	NO	
WAKE-UP CALL	YES	
DIRECTORY NAME	NONE	
CALLER ID DATA	NO	
ABANDON CALL	NO	
NUMBER OF DIAL MASK	00	
INCOMING ANSWER	NO	
INTERCOM CALL	NO	
KEY MMC IN/OUT	NO	
HOTEL CALL COST	YES	
HOTEL PAGE FEED	END	
HOTEL LINE START	0	
ITP REGISTRATION	NO	
SET RELOCATION	NO	

MMC 726	VM/AA OPTIONS	
OPTIONS	DFLT	NEW
EXT FOR DN1	YES	
TRK FOR DN1	YES	
EXT FOR DN2	NO	
TRK FOR DN2	NO	
SEPARATOR	NO	
DISCONNECT SIGNAL	C	
CALLER ID NUMBER	NO	
CALL TYPE ID	DFLT	NEW
DIRECT CALL	1	
ALL FWD CALL	2	
BSY FWD CALL	3	
NOA FWD CALL	4	
RECALL	5	
DIR TRK CALL	6	
OVERFLOW	7	
DID CALL	8	
MESSAGE CALL	9	
CALL PROGRESS TONE	DFLT	NEW
DIAL TONE	BA	
BUSY TONE	4	
RINGBACK	5	
DND/NO MORE	6	
HANDSET ANSWER	3	
SPEAKER ANSWER	2	

MMC 728	CALLER ID/ANI TRANSLATION TABLE	
INDX	DIGITS	NAME

NOTE: Only applies when Deluxe Caller ID is not available.

MMC 732 AUTO ATTENDANT TRANS TABLE

TRANS TABLE #		TRANS TABLE #		TRANS TABLE #	
DIGITS	DEST	DIGITS	DEST	DIGITS	DEST

TRANS TABLE #		TRANS TABLE #		TRANS TABLE #	
DIGITS	DEST	DIGITS	DEST	DIGITS	DEST

MMC 733		AUTO ATTENDANT PLAN PROGRAMMING			
AA PLAN		AA PLAN		AA PLAN	
DAY MSG		DAY MSG		DAY MSG	
NIGHT MSG		NIGHT MSG		NIGHT MSG	
ALTER MSG		ALTER MSG		ALTER MSG	
INVALID MSG		INVALID MSG		INVALID MSG	
NO ANS MSG		NO ANS MSG		NO ANS MSG	
TRANSFER MSG		TRANSFER MSG		TRANSFER MSG	
BUSY MSG		BUSY MSG		BUSY MSG	
NO STN MSG		NO STN MSG		NO STN MSG	
NO ACTION MSG		NO ACTION MSG		NO ACTION MSG	
CAMP-ON		CAMP-ON		CAMP-ON	
ANS DELAY		ANS DELAY		ANS DELAY	
RETRY COUNT		RETRY COUNT		RETRY COUNT	
TRANS TABLE		TRANS TABLE		TRANS TABLE	
BUSY DEST		BUSY DEST		BUSY DEST	
NO ANS DEST		NO ANS DEST		NO ANS DEST	
NO ACTION		NO ACTION		NO ACTION	
INVALID DEST		INVALID DEST		INVALID DEST	

MMC 734	AUTO ATTENDANT MESSAGE MATCH
MESSAGE	RECORDING

MMC 735 AUTO ATTENDANT USE TABLE							
PORT	PLAN	PORT	PLAN	PORT	PLAN	PORT	PLAN

MMC 736 SET AUTO ATTENDANT MUSIC ON HOLD	
PORT	MESSAGE

MMC 802	CUSTOMER ACCESS MMC NUMBER			
MMC	DEFAULT		MMC	OPTION
100	YES			
101	YES			
103	YES			
104	YES			
105	YES			
106	YES			
107	YES			
108	YES			
109	YES			
110	YES			
111	YES			
112	YES			
113	YES			
114	YES			
115	YES			
116	YES			
117	YES			
118	YES			
200	YES			
201	YES			
202	YES			
404	YES			
502	YES			
505	YES			
507	YES			
602	YES			
705	YES			
706	YES			
708	YES			
715	YES			

MMC 804	SYSTEM I/O PARAMETER		
PORT 2	PARAMETERS	PORT 3	PARAMETERS
SERVICE		SERVICE	
SPEED		SPEED	
CHAR LENGTH		CHAR LENGTH	
PARITY		PARITY	
STOP BIT		STOP BIT	
RETRY COUNT		RETRY COUNT	
WAIT TIME		WAIT TIME	
SIM PAIR		SIM PAIR	

DEFAULT DATA:			
	SERVICE	PORT 1	PCMMC
		PORT 2	SMDR
		PORTS 3-4	NOT USED
	BAUD RATE	9600 BPS	
	CHAR LENGTH	8 BITS	
	PARITY	NONE	
	RETRY COUNT	03	
	STOP BIT	1 BIT	
	WAIT TIME	03000 MSEC	
	DSR CHK	OFF	

MMC 808	T1 PARAMETERS		
B8ZS		AMI	