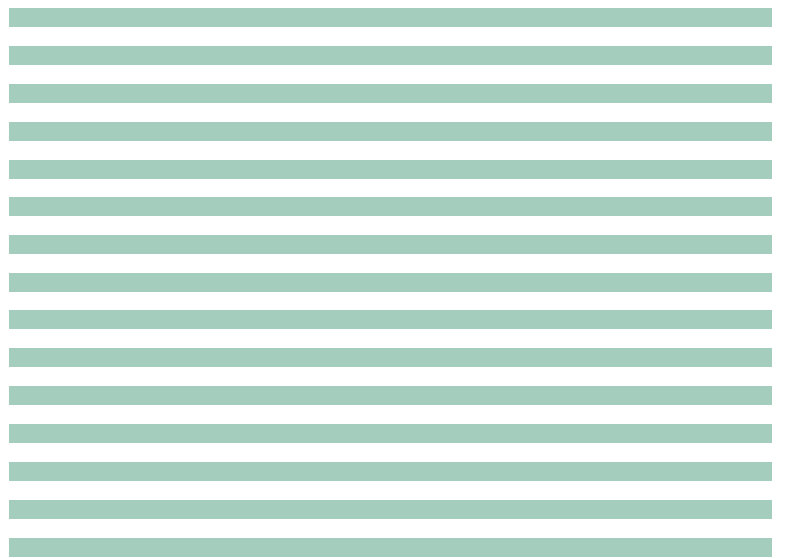


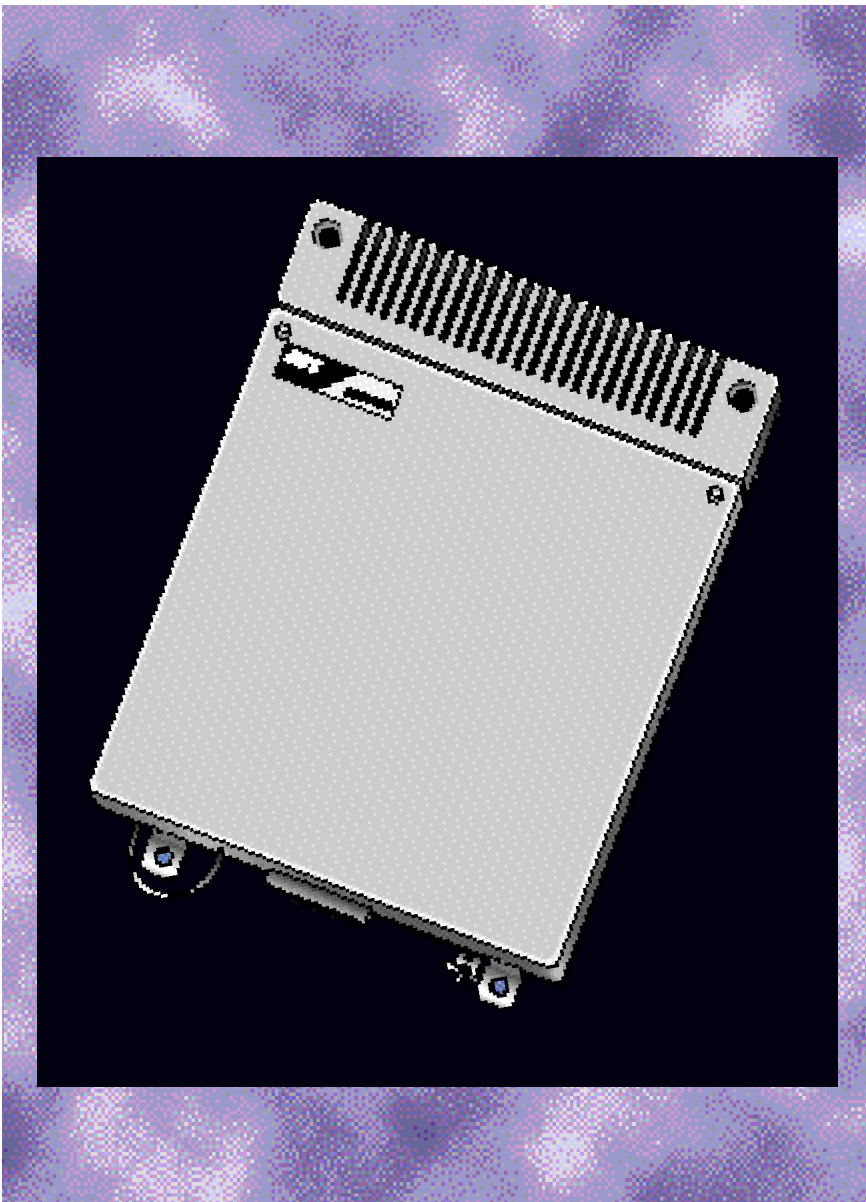


# DCS

DIGITAL COMMUNICATION SYSTEM



## PROGRAMMING MANUAL



# **PART 1. INTRODUCTION TO PROGRAMMING**

## **1.1 PROGRAMMING OVERVIEW**

The SAMSUNG DCS system arrives from the factory with default data. Connect it to trunk, 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 be 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 LCD 12B or 24B keyset. The first thing you must do is open system programming. As a security measure, a passcode must be known to do this. Figure 1-1 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.

## **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 display [xxx IN PGM MODE] when another keyset is in the program mode.

### **A. System level**

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

### **B. System 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. System 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 12B or LCD 24B keyset is in programming, the display shows instructions prompts and choices. Existing data is always displayed before it can be changed. The keystroke sequence for each MMC is detailed in the following pages.

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

#### **IMPORTANT REMINDER**

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

Now begin entering customer data.

## Part 2. Programming Procedures

### 2.1 Program List

100:	Station Lock	313:	Assign PIN Code
101:	Change User Passcode	400:	Customer On/Off per Trunk
102:	Call Forward	401:	C.O./PBX Line
103:	Set Answer Mode	402:	Trunk Dial Type
104:	Station Name	403:	Trunk Toll Class
105:	Station Speed Dial	404:	Trunk Name
106:	Station Speed Dial Name	405:	Trunk number
107:	Key Extender	406:	Trunk Ring Assignment
108:	Station Status	407:	Forced Trunk Release
109:	Clock Display	408:	Assign Trunk Music on Hold Source
110:	Keyset On/Off	409:	Trunk Status Read
111:	Keyset Ring Tone	410:	Assign DISA Trunk
112:	Alarm Reminder	411:	Assign E1 Signal Type
113:	View Memo Number	412:	Assign Trunk Signal
114:	Off-Hook Ring Volume	414:	MPD/PRS Signal
115:	Set Programmed Message	415:	Report Trunk Abandon Data
116:	Alarm and Message	416:	AC15 Translation
117:	Assign Background Music Volume	417:	PRI CRC4 Option
118:	Station Ring Volume	418:	Card Restart
119:	Set CLIP Display	419:	BRI Option
200:	Open Customer Programming	420:	PRI Option
201:	Change Customer Passcode	421:	MSN Digit
202:	Change Feature Passcode	422:	Assign Trunk COS
203:	Assign UA Device	423:	S/T Mode
204:	Common Bell Control	424:	SO Mapping
205:	Assign Loud Bell	500:	System-Wide Counters
206:	Barge-In Type	501:	System Timers
207:	Assign VM/AA Port	502:	Forward no Answer Timer
208:	Assign Ring Type	503:	Trunk-Wide Timer
209:	Assign Add-On Module	504:	Pulse make/Break Ratio
210:	Customer On/Off per Tenant	505:	Assign Data and time
211:	Door Ring Assignment	506:	Tone Cadence
212:	Alarm Ringing Station	507:	Assign Auto Night Time
213:	Alarm Message	508:	Call Cost
214:	DISA Alarm Ringing Station	509:	CO Tone Cadence
215:	Dial by Voice Options	510:	Message Wait LED Cadence
216:	Dial by Voice Assignments	600:	Assign Operator Group
217:	CCC Option	601:	Assign Station Group
300:	Customer On/Off per Station	602:	Station Group Name
301:	Assign Station COS	603:	Assign Trunk Group
302:	Pickup Groups	604:	Assign Station to Page Zone
303:	Assign Boss/Secretary	605:	Assign External Page Zone
304:	Assign Extension/Trunk Use	606:	Assign Speed Block
305:	Assign Forced Code	607:	UCD Options
306:	Hot Line	608:	Assign Review Block
307:	Assign Off-Hook Selection	700:	Copy COS Contents
308:	Assign Background Music Source	701:	Assign COS Contents
309:	Assign Station Music on Hold	702:	Toll Deny Table
310:	LCR Class of Service	703:	Toll Allowance Table
311:	Assign SIM Parameter	704:	Assign Wild Character
312:	Allow CLIP	705:	Assign System Speed Dial

706:	System Speed Dial by Name	735:	AA Use Table
707:	Authorization Code	736:	Assign AA MOH
708:	Account Code	737:	DECT System Code
709:	PBX Access Code	738:	Clear Registration
710:	LCR Digit Table	739:	BSI Download
711:	LCR Time Table	740:	Station Pair
712:	LCR Route Table	741:	BSI Card Restart
713:	LCR Modify Digit Table	742:	BSI Status
714:	DID Number and Name Translation	743:	DBS Status
715:	Programmed Station Message	744:	BSI Registration On/Off
716:	Network Code	745:	BSI Carrier
717:	PIN Code	800:	Enable Technician Program
718:	MY Area Code	801:	Change Technician Passcode
720:	Copy Key Programming	802:	Customer Access MMC Number
721:	Save Station Key Programming	803:	Assign Tenant Group
722:	Station Key Programming	804:	System I/O Parameter
723:	System Key Programming	805:	TX Level
724:	Dial Numbering Plan	806:	Card Pre-Install
725:	SMDR Options	807:	Volume Control
726:	VM/AA Options	810:	Halt Processing
727:	System Version Display	811:	Reset System
728:	CLIP Translation Table		
731:	AA RAM Clear		
732:	AA Trans Table		
733:	AA Plan Table		
734:	AA Msg Match		

# 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 OUT	The mode just not allowed to access CO line for dial out
2	LOCKED ALL	Not allowed to initiate any action with this mode

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 100  
Display shows
2. Dial station number (e.g., 205)  
OR  
Use UP and DOWN to select station  
and use RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all stations
3. Enter 0 to unlock or 1 to lock (e.g., 1)  
OR  
Press UP or DOWN key to make  
selection and press RIGHT soft key  
to return to step 2
4. Press TRSF to save and exit  
OR  
Press SPK to save and advance  
to next MMC

## DISPLAY

[201] STN LOCK  
UNLOCKED

[205] STN LOCK  
UNLOCKED

[ALL] STN LOCK  
??

[205] STN LOCK  
LOCKED OUT

**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 and for toll restriction 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## ACTION

1. Press TRSF 101  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Use UP or DOWN to scroll through  
keyset numbers and press RIGHT  
soft key to move the cursor right
3. Press HOLD to reset passcode
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[201] PASSCODE  
PASSCODE: \*\*\*\*

[205] PASSCODE  
PASSCODE: \*\*\*\*

[205] PASSCODE  
PASSCODE : 1234

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

**RELATED ITEMS: MMC 100 STATION LOCK**

# MMC: 102 FORWARD

## CALL

### DESCRIPTION:

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

The DCS system allows five types of call forwarding. FORWARD ALL, FORWARD NO ANSWER, FORWARD BUSY, FORWARD FOLLOW ME and FORWARD EXTERNAL. 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.

0 = FORWARD CANCEL  
1 = ALL CALL  
2 = BUSY

3 = NO ANSWER  
4 = BUSY/NO ANSWER  
5 = EXT

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 102  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor
3. Dial 0–5 to select forward type  
OR  
Press UP or DOWN to select forward type  
and press RIGHT soft key to move cursor
4. Dial destination number (e.g., 201)  
OR  
Press UP or DOWN to select destination  
and press RIGHT soft key to move cursor
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

### DISPLAY

[201] FORWARD  
0:FORWARD CANCEL

[205] FORWARD  
0:FORWARD CANCEL

[205] FORWARD  
1:ALL CALL:NONE

[205] FORWARD  
1:ALL CALL:201

[205] FORWARD  
CURRENTLY SET :YES



6. Press TRSF to store and exit  
OR  
Press SPK to store and advance  
to next MMC

**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 MODE

## SET ANSWER

### DESCRIPTION:

Allows a system administrator to change the answer mode of any keyset or add-on module. Each keyset or add-on module 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 add-on module (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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

### ACTION

1. Press TRSF 103  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press UP or DOWN to select keyset  
and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select All
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
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance  
to next MMC

### DISPLAY

[201] ANS MODE  
RING MODE

[205] ANS MODE  
RING MODE

[ALL] ANS MODE  
?

[205] ANS MODE  
VOICE ANNOUNCE

**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 a eleven (11) character name to identify an individual station.

Names are written using the keypad. Each key press selects a character. Pressing the dial pad key moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" three times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the table below to complete your message. Pressing the bottom left programmable key will change the letter from upper case to lower case.

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

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 ~.

## 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

1. Press TRSF 104  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor

## DISPLAY

[201] STN NAME

[205] STN NAME

—

3. Enter the station name using the procedure described above, press the RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[205] STN NAME  
SAM SMITH

**DEFAULT DATA: NONE**

**RELATED ITEMS: "A" BUTTON IS BUTTON #19 ON KEYSET**

# 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. Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 18 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
SPK	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 TRSF 105 Display shows	[201] SPEED DIAL 00 :
2a. Dial station number (e.g. 205) OR Press UP or DOWN to select station and press RIGHT soft key to move cursor OR Press LEFT soft key to go to step 4	[205] SPEED DIAL 00 :
2b. If selected station has no speed dial bins, the display will be as shown and a new station may be selected	[205] SPEED DIAL SPDBLK NOT EXIST
3. Dial location number (e.g., 05) OR Press UP or DOWN to select location and press RIGHT soft key to move cursor OR Press LEFT soft key to return to step 2	[205] SPEED DIAL 05: _
4. Enter trunk access code (e.g., 9) followed by the number to be dialed	[205] SPEED DIAL 05 : 9-4264100_

(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

5. Press "F" button to access MMC 106 Station Speed  
Dial by Name  
OR  
Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 106 STATION SPEED DIAL NAME  
MMC 606 ASSIGN SPEED BLOCK  
"A" TO "F" BUTTON ARE BUTTON #24 ON KEYSSET**

# MMC: 106 STATION SPEED DIAL NAME

## DESCRIPTION:

Allows a eleven 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.

Names are written using the keypad. Each press of a key selects a character. Pressing the dial key pad 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 UP key to move the cursor to the right.

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 ~.

## 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

1. Press TRSF 106  
Display shows
- 2a. Dial station number (e.g., 205)  
OR

## DISPLAY

[201] SPEED NAME  
00:

[205] SPEED NAME  
00:



- |   |  |
|---|--|
| Press UP or DOWN to select station<br>and press RIGHT soft key to move cursor   | <b>[305] SPEED NAME</b><br><b>SPDBLK NOT EXIST</b> |
| <br>  |  |
| 2b. Dial station number (e.g., 305)<br>OR<br>Press UP or DOWN to select station<br>speed blocks not assigned  |  |
| <br>  |  |
| 3. Dial speed dial location (e.g., 05)<br>OR<br>Use UP or DOWN to scroll through<br>location numbers and use the RIGHT<br>soft key to move the cursor<br>OR<br>Press the LEFT soft key to return to<br>step 2 | <b>[205] SPEED NAME</b><br><b>01:_</b>             |
| <br>  |  |
| 4. Enter the location name using the procedures<br>described above and<br>press RIGHT soft key to return to step 2<br>OR<br>Press LEFT soft key to return to step 3 to continue<br>entering entries           | <b>[205] SPEED NAME</b><br><b>01:SAM SMITH</b>     |
| <br>  |  |
| 5. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to<br>next MMC  |  |

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 105 STATION SPEED DIAL**  
**"A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 107 EXTENDER

## KEY

### 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 making a general access feature key more specific. The feature keys that can have extenders are listed below.

FEATURE KEY	EXTENDER
BOSS	Boss and Secretary (1-4)
DIR	Directory dial by name type (1-3)
DP	Direct Pick Up (extension or station group number)
DS	Direct Station Select (station number)
FWRD	Call Forward (0-5)
GPIK	Group Pick Up (01-20)
IG	In/Out group (Station Group Number)
MMP	Meet Me Page (0-9, *)
PAGE	Page (0-9, *)
SG	Station Group (500-529)
SPD	Speed Dial (00-49, 500-999)
SP	UCD Supervisor (UCD Group Number)
PSM	Programmed Station Message (01-20)

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 107  
Display shows first station
2. Dial station number (e.g., 205)  
OR  
Use UP or DOWN to scroll through  
station numbers and press RIGHT  
soft key to move the cursor

### DISPLAY

[201] KEY EXTEND  
01:CALL1➔

[205] KEY EXTEND  
01:CALL1➔

3. 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
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance  
to next MMC

[205] KEY EXTEND  
18:DS➔

[205] KEY EXTEND  
18:DS➔ 207

#### **DEFAULT DATA: NONE**

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

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

# MMC: 108

# STATION STATUS

## DESCRIPTION:

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

0	PORT	#: Cabinet (1-3)/Slot (1-7)/Port (1-16)
1	TENANT NUMBER	1-2
2	PICKUP GROUP	None, 01-30
3	SGR	Station Group Number
4	BOSS-SECR	None, 1-4
5	PAGE	Page Zone (1-4)
6	DAY COS NO	COS (01-30)
7	NIGHT COS NO	COS (01-30)

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 108  
Display shows first station
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor
3. Dial 0-7 to select station status type  
OR  
Press UP or DOWN to select status and  
press RIGHT soft key to return to step 2
4. Press TRSF to exit  
OR  
Press SPK to advance to next MMC

## DISPLAY

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

[205] STN STATUS  
PORT #:C1-S3-P09

[205] STN STATUS  
TENANT NUMBER:1

**DEFAULT DATA:** PORT NUMBER: ?  
TENANT NUMBER: 1  
PICKUP GROUP: NONE  
STATION GROUP: NONE  
BOSS/SECRETARY PAIRS: NONE  
PAGE ZONE: NONE  
DAY COS NUMBER: 01  
NIGHT COS NUMBER: 01

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

## MMC: 109

## CLOCK 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<br>0 = ORIENTAL MM/DD DAY HH:MM<br>1 = WESTERN DAY DD MON HH:MM  |
| 1 | CLOCK   | Sets format of clock display and has two options<br>0 = 12 HOUR Displays 1 P.M. as 01:00<br>1 = 24 HOUR Displays 1 P.M. as 13:00   |
| 2 | DISPLAY | Sets format of DAY and MON display and has two options<br>0 = UPPER CASE Displays Friday as FRI and March as MAR<br>1 = LOWER CASE Displays Friday as Fri and March as Mar |

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 109  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station and  
press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for all keysets
3. Dial 0-2 to select mode  
OR  
Use UP and DOWN to scroll through  
modes and press RIGHT soft key to  
move cursor
4. Use UP or DOWN to scroll through  
formats and press RIGHT soft key  
to return to step 2  
OR  
Press LEFT soft key to return to step 3

## DISPLAY

[201] DAY FORMAT  
COUNTRY:WESTERN

[205] DAY FORMAT  
COUNTRY:WESTERN

[ALL]DAY FORMAT  
COUNTRY:?

[205] DAY FORMAT  
COUNTRY:ORIENTAL

5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

**DEFAULT DATA: COUNTRY: WESTERN  
CLOCK: 12 HOUR CLOCK  
DISPLAY: LOWERCASE**

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

# MMC: 110

# KEYSET ON/OFF

## DESCRIPTION:

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

- |    |             |   |
|----|-------------|---|
| 0. | 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.    |
| 1. | AUTO TIMER  | Automatically starts the stopwatch timer during a C.O. call.  |
| 2. | HEADSET USE | When on, this feature disables the hookswitch allowing a headset user to answer all calls by pressing the ANS/RLS button.         |
| 3. | HOT KEYPAD  | When on, this feature allows the user to dial directory numbers without having to first lift the handset or press the SPK button. |
| 4. | KEY TONE    | Allows the user to hear a slight tone when pressing buttons on his/her set.   |
| 5. | PAGE REJOIN | Allows the user to hear the latter part of page announcements if his/her keyset becomes free during a page.                       |
| 6. | RING PREF.  | When off, requires the user to press the fast flashing button to answer a ringing call after lifting the handset.                 |
| 7. | CALL COST.  | If enabled (ON), LCD shows real time call cost calculated based on Metering Pulses arrived.                                       |

## 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

- Press TRSF 110  
Display shows
- 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
- Dial option number from above list  
(0-5, e.g., 3)

## DISPLAY

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

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

```
[ ALL ] STN ON/OFF  
AUTO HOLD : 3
```

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



- OR  
Press UP or DOWN to select option and  
press RIGHT soft key to move cursor
4. Press UP or DOWN to select ON or OFF and press left  
or RIGHT soft key to return to step 3  
OR  
Dial 1 for ON or 0 for OFF
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[205] STN ON/OFF  
HOT KEYPAD : ON

[205] STN ON/OFF  
HOT KEYPAD : OFF

Dial option number 0 from above list  
at step 3

[205] STN ON/OFF  
AUTO HOLD : OFF

Dial option number 1 from above list  
at step 3

[201] STN ON/OFF  
AUTO TIMER : ON

Dial option number 2 from above list  
at step 3

[205] STN ON/OFF  
HEADSET : OFF

Dial option number 3 from above list  
at step 3

[205] STN ON/OFF  
HOT KEYPAD : ON

Dial option number 4 from above list  
at step 3

[205] STN ON/OFF  
KEY TONE : ON

Dial option number 5 from above list  
at step 3

[205] STN ON/OFF  
PAGE REJOIN : ON

Dial option number 6 from above list  
at step 3

[205] STN ON/OFF  
RING PREF. : ON

Dial option number 7 from above list  
at step 3

[205] STN ON/OFF  
CALL COST. : ON

**DEFAULT DATA: AUTO HOLD OFF  
AUTO TIMER ON  
HEADSET OFF  
HOT KEYPAD ON  
KEY TONE ON  
PAGE REJOIN ON  
RING PREFERENCE ON  
CALL COST OFF**

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

# MMC: 111 TONE

## KEYSET RING

### 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 key pad is pressed.

### 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 TRSF 111  
Display shows
2. Dial keyset number (e.g., 205)  
  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select All
3. Dial 1 ~ 8 to select ring tone  
OR  
Press UP or DOWN to select ring tone and  
press RIGHT soft key to move cursor and  
return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

[201] RING TONE  
SELECTION 6

[205] RING TONE  
SELECTION 6

OR  
[ALL] RING TONE  
SELECTION ?

[205] RING TONE  
SELECTION 5

OR  
[ALL] RING TONE  
SELECTION 5

**DEFAULT DATA: FREQUENCY 5**

**RELATED ITEMS: MMC 114 OFF-HOOK RING VOLUME**

# MMC: 112

# ALARM REMINDER

## DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This must be done for single line telephones as they cannot access programming. Three alarms may be set for each station and each alarm may be defined as a one-time, TODAY alarm or as a DAILY alarm as described below. The TODAY alarm is automatically canceled after it rings, while the DAILY alarm rings every day at the same time. Alarm numbers are 1, 2 and 3.

Entry	Alarm Type
DIAL 1	NOTSET
DIAL 2	TODAY
DIAL 3	DAILY

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 112  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor
3. Dial 1–3 to select alarm (e.g., 2)  
OR  
Press UP or DOWN to select alarm and  
press RIGHT soft key to move cursor  
OR  
Press LEFT soft key to return to step 2
4. Enter alarm time in 24 hour clock  
format, e.g., 1300  
Display will automatically advance  
to step 5
5. Dial valid entry from above list for  
alarm type  
OR  
Press UP or DOWN to select alarm type  
and press RIGHT soft key to move cursor and return  
to step 2

## DISPLAY

[201]ALM CLK(1)  
HHMM: →NOTSET

[205]ALM CLK(1)  
HHMM: →NOTSET

[201]ALM CLK(1)  
HHMM: →NOTSET

[205] ALM CLK (2)  
HHMM:1300→NOTSET

[205] ALM CLK  
HHMM:1300→DAILY

6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

**DEFAULT DATA: ALARMS SET TO NOTSET**

**RELATED ITEMS: NONE**

# MMC: 113

# VIEW MEMO NUMBER

## DESCRIPTION:

Allows a station user the ability to view a memo left by the user. A memo can be left by entering it via the dial key pad using the table below. MMC 112 Alarm Reminder can be programmed to remind the user to read the memo. A memo of upto and including 14 characters can be entered. Using the dial key pad, press "6" two times to enter the letter "N", and press "3" twice for an e." Pressing the "A" key will change the letters from upper case to lower case.

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

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 ~.

## 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**

1. Press TRSF 113  
Display shows
2. Press RIGHT soft key to move cursor  
and add memo via dial key pad using  
procedure above  
Press RIGHT soft key to return to step 2
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

**DISPLAY**

[201] VIEW MEMO  
1:

[201] VIEW MEMO  
1:NEED BREAD

**DEFAULT DATA: NO MEMOS ENTERED**

**RELATED ITEMS: "A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 114 OFF-HOOK RING VOLUME

## DESCRIPTION:

Allows the system administrator to set the off-hook ring volume for any or all keysets.

### 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
ANS/RLS	Used to select ALL

### ACTION

1. Press TRSF 114  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station and  
press RIGHT soft key to move cursor  
OR  
Press ANS/RLS for All
3. Press UP or DOWN to select ring level or dial volume  
level 1–8 on dial key pad  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

### DISPLAY

[201] OFFRNG VOL  
RING VOLUME 4

[205] OFFRNG VOL  
RING VOLUME 4

[ALL] OFFRNG VOL  
RING VOLUME 4

[205] OFFRNG VOL  
RING VOLUME 3

### DEFAULT DATA: RING LEVEL 4

### RELATED ITEMS: MMC 111 KEYSET RING TONE

# MMC: 115 SET PROGRAMMED MESSAGE

## DESCRIPTION:

Allows the system administrator to set a programmed message at any or all keysets. There are 20 messages available. Ten are pre-programmed and ten can be customized in MMC 715 Programmed Message. Programmed station messages are numbered 01–20.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 115  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station and  
press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select All
3. Dial 01–20 to select message number,  
e.g., 05  
OR  
Press UP or DOWN to select message  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

## DISPLAY

[201] PGMMMSG(00)  
CANCEL PGM MSG

[205] PGMMMSG(00)  
CANCEL PGM MSG

[ALL] PGMMMSG(??)

[205] PGMMMSG(05)  
PAGE ME

## DEFAULT DATA: NO MESSAGES SELECTED

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



# MMC: 116

# ALARM AND MESSAGE

## DESCRIPTION:

Allows the system administrator or technician to set or change the alarm clock/appointment reminder feature for any station. This must be done for single line telephone because they cannot access programming. Three alarms may be set for each station and each alarm may be defined as a one-time, TODAY alarm or as a DAILY alarm as described below. The TODAY alarm is automatically canceled 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. Alarm numbers are 1, 2 and 3.

Eynry	Alarm Type
DIAL 1	NOTSET
DIAL 2	TODAY
DIAL 3	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 your message. Pressing the "A" key will change the letter from upper case to lower case.

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 *	:	=	[	]	*

## 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 TRSF 116<br>Display shows  | [201]ALM REM(1)<br>HHMM: →NOTSET       |
| 2. Dial station number (e.g., 205)<br>OR<br>Press UP or DOWN to select station<br>and press RIGHT soft key to move cursor<br>OR<br>Press ANS/RLS to select all stations     | [205]ALM REM(1)<br>HHMM: →NOTSET       |
| 3. Dial 1–3 to select alarm (e.g., 2)<br>OR<br>Press UP or DOWN to select alarm and<br>press RIGHT soft key to move cursor<br>OR<br>Press LEFT soft key to return to step 2 | [201]ALM REM(1)<br>HHMM: →NOTSET       |
| 4. Enter alarm time in 24 hour clock format<br>(e.g., 1300)<br>Display will automatically advance<br>to step 5  | [205] ALM REM (2)<br>HHMM:1300 →NOTSET |
| 5. Dial valid entry from above list for<br>alarm type<br>OR<br>Press UP or DOWN to select alarm type<br>and press RIGHT soft key to move cursor                             | [205] ALM REM<br>HHMM:1300 →DAILY      |
| 6. Enter messages using above table and press RIGHT<br>soft key to return to step 2   | [205] ALM REM<br>Sam SMITH             |
| 7. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to<br>next MMC  |  |

**DEFAULT DATA: ALARMS SET TO NOTSET****RELATED ITEMS: "A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 117      ASSIGN BACKGROUND MUSIC VOLUME

## DESCRIPTION:

Allows station users the ability to assign volume levels for their individual background music. This MMC will not change the level for the speakerphone. Background music will return to the level set by the user when the call is completed. This level can also be set system-wide by the system administrator.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 117  
Display shows
2. Enter in desired station number (e.g., 205)  
OR  
Press UP or DOWN key to make selection and  
press RIGHT soft key  
OR  
Press ANS/RLS key to select all stations
3. Enter in valid volume level (1–16) and  
press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to  
next MMC

## DISPLAY

[201] BGM VOLUME  
VOLUME 13

[ALL] BGM VOLUME  
VOLUME ??

[ALL] BGM VOLUME  
VOLUME 06

**DEFAULT DATA: VOLUME LEVEL 13**

**RELATED ITEMS: SEE WARNING FOR CONNECTION TO RADIO OR MUSIC  
SOURCE**

# MMC: 118

# STATION RING VOLUME

## DESCRIPTION:

Allows the station user the ability to assign a level for his/her station ringer volume. This level can also be set system-wide by the system administrator. There are eight levels of volume; level 1 is the lowest and level 8 is the highest.

## 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
ANS/RLS	Used to select ALL

## ACTION

1. Press TRSF 118  
Display shows
2. Dial station number (e.g., 205)  
OR  
Use UP and DOWN to select station  
use RIGHT soft key to move  
cursor OR  
Press ANS/RLS to select all stations
3. Enter value 1–8 (e.g., 5)  
OR  
Press UP or DOWN key to make selection press  
RIGHT soft key to return to step 2  
Note: a short ring burst of selected value
4. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

## DISPLAY

[201] RING VOL.  
RING VOLUME 1

[205] RING VOL.  
RING VOLUME 1

[ALL] RING VOL.  
RING VOLUME ?

[205] RING VOL.  
RING VOLUME 5

**DEFAULT DATA: ALL STATIONS SET TO LEVEL 4**

**RELATED ITEMS: STATION USER PROGRAMMING**

# MMC: 119

# SET CLIP DISPLAY

## DESCRIPTION:

This MMC allows the technician to change the order in which the CLIP information will be displayed on an LCD set. CLIP display options are the following:

- 0 NO DISPLAY No CLIP data will be displayed.
- 1 NUMBER FIRST The CLIP number received from the central office will be displayed first.
- 2 NAME FIRST The CLIP name will be displayed first

## PROGRAM KEYS

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

## ACTION

## DISPLAY

1. Press TRSF 119
2. Display shows first station current display mode      Enter  
Station number  
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
3. Dial display option 0,1 or 2  
Press UP or DOWN to select option and Press RIGHT or  
LEFT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to save and advanced to next MMC

[201]CLIP DISPLAY  
NUMBER FIRST

[201]CLIP DISPLAY  
NUMBER FIRST

**DEFAULT DATA :    NUMBER FIRST**

**RELATED ITEMS: MMC 312 ALLOW CLIP  
MMC 728 CLIP TRANSLATION TABLE**

# MMC: 200

## OPEN CUSTOMER PROGRAMMING

### DESCRIPTION:

Used to open and close 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
SPK	Save data and advance to next MMC
TRSF	Exit Programming

### ACTION

### DISPLAY

1. Press TRSF 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,dial 0 for DISABLE	ENABLE CUS.PROG. ENABLE
4. Press SPK 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. To log out press TRSF key.	

### DEFAULT DATA: CLOSED

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
SPK	Save data and advance to next MMC

## ACTION

## DISPLAY

1. Press TRSF 201
2. Enter new passcode via key dial pad (maximum four digits)
3. Verify new passcode via key dial pad
- PASSCODE verified  
OR  
PASSCODE failure  
Return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

CUST. PASSCODE  
NEW CODE: \_

CUST. PASSCODE  
NEW CODE: \*\*\*\*

CUST. PASSCODE  
VERIFY : \*\*\*\*

CUST. PASSCODE  
VERIFY : SUCCESS

CUST. PASSCODE  
VERIFY : FAILURE

**DEFAULT DATA: PASSCODE = 1234**

**RELATED ITEMS: MMC 200 OPEN CUSTOMER PROGRAMMING**

# MMC: 202 CHANGE FEATURE PASSCODES

## DESCRIPTION:

Used to change the passcodes for several features. These features are the following: DAY/NIGHT, DISA ALARM, ALARM CLR and AA RECORD.

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
SPK	Save data and advance to next MMC

## ACTION

1. Press TRSF 202  
Display shows
2. Press UP or DOWN key to make selection  
Press RIGHT soft key to move cursor to passcode entry
3. Enter new passcode via digits from dial key pad  
Press RIGHT soft key to return to step 2  
Continue to change other passcodes
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

CHANGE PASSCODE  
DAY/NIGHT :0000

CHANGE PASSCODE  
ALARM CLR :8765

CHANGE PASSCODE  
ALARM CLR :9999

**DEFAULT DATA:** DAY/NIGHT 0000  
DISA ALARM 5678  
ALARM CLR 8765  
AA RECORD 4321  
BSI REGISTER 2580  
DECT REGISTER 4321

**RELATED ITEMS:** MMC 212 ALARM RINGING STATION  
MMC 410 ASSIGN DISA TRUNK  
MMC 507 ASSIGN AUTO NIGHT TIME  
MMC 744 BSI REGISTRATION ON/OFF



# MMC: 203 DEVICE

## ASSIGN UA

### DESCRIPTION:

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

DIRECTORY NUMBER	DEVICE TYPE	DESCRIPTION
201-349	STATION	The UA device is a keyset or SLT.
3601-3602	ROP	Ring over page.
500-529	STATION GROUP	The UA device is a station group.

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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

### ACTION

1. Press TRSF 203  
Display shows current assignment
2. Dial DN of UA device (e.g., 205)  
OR  
Use UP and DOWN keys to scroll through available devices  
Press RIGHT soft key to return to this step
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

ASSIGN UA  
NONE-NO UA

ASSIGN UA  
205 -STATION

### DEFAULT DATA: NONE

RELATED ITEMS: MMC 204 COMMON 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.

As default, all common bell relay pairs are assigned as 380X.

### PROGRAM KEYS

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

### ACTION

### DISPLAY

1. Press TRSF 204  
Display shows current setting
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
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 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[3801]COM. BELL  
CONTINUOUS

[3802]COM. BELL  
CONTINUOUS

[3802]COM. BELL  
INTERRUPTED

### DEFAULT DATA: CONTINUOUS

**RELATED ITEMS:** MMC 203 ASSIGN UA DEVICE  
MMC 601 ASSIGN STATION GROUP

# MMC: 205 BELL

## ASSIGN LOUD

### DESCRIPTION:

Designates the station that controls the loud bell ring output of a Trunk A card. Each Trunk A card has one loud bell output; these outputs are given a DN of 3901–3920 as a default value to enable them to be assigned.

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
SPK	Used to store data and advance to next MMC
HOLD	Clears previous entry

### ACTION

### DISPLAY

1. Press TRSF 205  
Display shows current setting
2. Dial loud bell number (e.g., 3902)  
OR  
Use UP or DOWN to scroll through loud bell numbers and press RIGHT soft key to move the cursor
3. Enter station number (e.g., 201)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[3901] LOUD BELL  
RING PAIR : NONE

[3902] LOUD BELL  
RING PAIR : NONE

[3902] LOUD BELL  
RING PAIR : 201

### DEFAULT DATA: UNASSIGNED

### RELATED ITEMS: NONE

Note: This MMC is not applicable to DCS/Compact System

# MMC: 206 TYPE

## BARGE-IN

### 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
SPK	Used to store data and advance to next MMC

### ACTION

1. Press TRSF 206  
Display shows
2. Dial 0-2 to select barge-in type (e.g., 2)  
OR  
Press UP or DOWN to select barge-in type  
and press RIGHT soft key
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

BARGE IN TYPE  
NO BARGE IN

BARGE IN TYPE  
WITHOUT TONE

### DEFAULT DATA: NO BARGE -IN

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

# MMC: 207 PORT

## ASSIGN VM/AA

### DESCRIPTION:

Enables SLI ports to be designated as NORMAL or VMAA. VMAA ports will receive digits designated in MMC 726 VM/AA Options and will also receive a true disconnect signal upon completion of a call. Only SLI boards, not key daughterboards, support disconnect signal. Do not make VMAA ports data; this will return them back 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.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 207  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station  
and press RIGHT soft key to move cursor
3. Dial 1 or 0 to select port type, (1=VMAA; 0=NORMAL)  
OR  
Press UP or DOWN to select option and press  
RIGHT soft key
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[209] VMAA PORT  
NORMAL PORT

[205] VMAA PORT  
NORMAL PORT

[209] VMAA PORT  
VMAA PORT

**DEFAULT DATA:** NORMAL PORT

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

# MMC: 208 TYPE

## ASSIGN RING

### 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 postive disconnect signal. Do not make VMAA ports data; this will return them to a single line port and stop voice mail integration.

### OPTIONS

- 0 ICM RING
- 1 CO RING
- 2 DATA

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 208  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station and  
press right soft key to move cursor
3. Dial 1,2 or 0 to select port type  
OR  
Press UP or DOWN to select option and press  
Press LEFT or RIGHT soft key to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[209] RING TYPE  
ICM RING

[205] RING TYPE  
ICM RING

[205]RING TYPE  
DATA RING

### DEFAULT DATA: ICM RING

### RELATED ITEMS: NONE

## MMC: 209 ASSIGN ADD-ON MODULE

### DESCRIPTION:

Designates to which station an add-on module (AOM) is assigned.

### 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

1. Press TRSF 209  
Display shows first AOM
2. Dial AOM number  
OR  
Use UP or DOWN to scroll through AOM numbers and use soft keys to move the cursor
3. Enter station number, e.g., ( 301)  
OR  
Use UP or DOWN for selection of station numbers
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[301] AOM MASTER  
MASTER:NONE

[301] AOM MASTER  
MASTER:NONE

[301] AOM MASTER  
MASTER:201

**DEFAULT DATA: NONE FOR MASTER**

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

# MMC: 210

## CUSTOMER ON/OFF PER TENANT

### DESCRIPTION:

Allows the system administrator to set in the system features on a per-tenant basis listed below.

- |      |               |  |
|------|---------------|--|
| 0.   | DISA PSWD     | It toggles ON and OFF to decide whether outside customers are required to enter DISA PASSCODE or not.  |
| 1.   | LCR ENABLE    | This will enable LCR feature to be worked in the system.   |
| 2.   | PERI UCD SET  | Periodic UCD Information provider.<br>Enables UCD Statistics data on a per UCD group basis to print out on the IO port which has been set as SMDR or UCD REPT in real time (every 10 seconds). This allows the information to be interfaced with an extended manipulation by the external package Software third-party provided. |
| 3.   | SMDI VMS SET  | Allows SMDI integration through RS-232 port for the external PC-based VM system.   |
| **4. | DISA MOH      | Gives an additional option to be presented to the outside DISA callers<br>variable indication provided by MOH source instead of fixed DISA dial tone.  |
| **5. | SMDR MASK     | Introduce a new programmable option to mask the last two digits of the telephone number dialed on the SMDR printout.   |
| **6. | XFER MOH      | Callers who have been transferred from an extension or ACD group or AA group will hear MOH until answered by the called extension instead of transfer dial tone.   |
| **7. | DSP SSPDNAME  | LCD will display of programmed name of SYSTEM SPEED bin (in MMC 706) if it has been programmed, otherwise show programmed digits (in MMC 705) even though this MMC turned to ON.   |
| **8. | DDI FBACK→406 | Unanswered DDI call can be routed to an assigned destination in MMC 406 before dropping out the call.  |

- \*\* New option as from SW Version V4.0

### 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 |



**ACTION****DISPLAY**

1. Press TRSF 210  
Display shows
2. Press RIGHT soft key to move cursor
3. Dial 1 for ON or 0 for OFF  
OR  
Press UP or DOWN to make selection and press RIGHT soft key
4. If you want to change SMDI VMS SET field dial option number 2 from above list at step 2.  
  
Press UP or DOWN to make selection and press RIGHT soft key
5. Repeat step 4 for further changing by varying option number between 0 - 7.  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**TEN. ON AND OFF**  
**DISA PSWD :OFF****TEN. ON AND OFF**  
**DISA PSWD :OFF****TEN. ON AND OFF**  
**DISA PSWD :ON****TEN. ON AND OFF**  
**SMDI VMS SET :ON**

<b>DEFAULT DATA:</b>	<b>DISA PSWD</b>	<b>ON</b>
	<b>LCR</b>	<b>OFF</b>
	<b>PERI UCD SET</b>	<b>OFF</b>
	<b>SMDI VMS SET</b>	<b>OFF</b>
	<b>DISA MOH</b>	<b>OFF</b>
	<b>SMDR MASK</b>	<b>OFF</b>
	<b>XFER MOH</b>	<b>OFF</b>
	<b>DISP SYS SPD NAME</b>	<b>OFF</b>
	<b>DDI FALLBACK® 406</b>	<b>OFF</b>

Note: Default values listed above can be different from those that your system have in the current SW

**RELATED ITEMS: MMC 310 LCR CLASS OF SERVICE**  
**MMC 710 LCR DIGIT TABLE**

# MMC: 211 DOOR RING ASSIGNMENT

## DESCRIPTION:

Designates which devices will ring when a door box button is pressed and which ring mode the devices will follow.

There are two types of device that can ring; these are listed below with their default directory numbers.

DEVICE	DEFAULT DIRECTORY NUMBER
Station	201-349
Station group	500-529

## 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	Clears previous entry
ANS/RLS	Used to select ALL

## ACTION

## DISPLAY

- |   |                                |
|---|--------------------------------|
| 1. Press TRSF 211<br>Display shows first door phone   | [229] DOOR RING<br>D:500 N:500 |
| 2. Dial door phone number (e.g., 230)<br>OR<br>Press UP or DOWN to scroll through<br>door phone numbers and use the RIGHT<br>soft key to move cursor<br>OR<br>Press ANS/RLS to select all door ring | [230] DOOR RING<br>D:500 N:500 |
| 3. Enter new DAY/NIGHT selection via dial key pad<br>OR Press UP or DOWN key to make selection and<br>press RIGHT soft key  | [250] DOOR RING<br>D:301 N:500 |
| 4. Press RIGHT soft key to return to step 2 above<br>OR Press LEFT soft key to return to step 3 above<br>OR Press TRSF to store and exit<br>OR Press SPK to store and advance to next MMC           |                                |

## DEFAULT DATA: STATION GROUP 500

## RELATED ITEMS: MMC 507 ASSIGN AUTO NIGHT TIME

# MMC: 212

## ALARM RINGING STATION

### DESCRIPTION:

Used to determine which devices will be alerted when an alarm sensor is activated. The alerted device can be as follows:

Station	201-349
Station group	500-529

The above 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

### ACTION

1. Press TRSF 212  
Display shows first sensor
2. Dial sensor number (e.g., 3502 )  
OR  
Use UP or DOWN to scroll through sensor numbers and press RIGHT soft key to advance cursor
3. Enter valid ring destination (e.g., 205)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor to night destination and press RIGHT soft key
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[3501]ALARM RING  
D:500 N:500

[3502]ALARM RING  
D:500 N:500

[3502]ALARM RING  
D:205 N:500

**DEFAULT DATA: ALL SENSORS RING 500 DAY/NIGHT**

**RELATED ITEMS: MMC 202 CHANGE FEATURE PASCODES  
MMC 213 ALARM MESSAGE  
MMC 507 ASSIGN AUTO NIGHT TIME**

Note: This MMC is not applicable to DCS/Compact System

# MMC: 213 MESSAGE

## ALARM

### DESCRIPTION:

Allows the assignment of a name to an alarm sensor. Names are written using the dial key pad. Each press of a key will select a character. Pressing the dial key will move the cursor to the next position. For example, if the sensor name is "FIRE," press the number "3" three times to get the letter "F." Now press the number "4" three times to get the letter "I." 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 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. Pressing the "A" key will change the letter from upper case to lower case.

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 ~.

### 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

1. Press TRSF 213  
Display shows
2. Dial ALARM number ( e.g., 3502)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor

### DISPLAY

[213] ALARM NAME

[3502] ALARM NAME

3. Enter in name using above method and table  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[3502] ALARM NAME  
EIRE!

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 202 CHANGE FEATURE PASSCODES  
MMC 212 ALARM RINGING STATION  
"A" BUTTON IS BUTTON #19 ON KEYSET.**

Note: This MMC is not applicable to DCS/Compact System

# 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 receive the notification. There can be two distinct stations for notification. Both a day and a night station can be selected. A valid destination can be either a station group (500–529) or an individual station (201–349).

## 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 TRSF 214  
Display shows
2. Enter in valid day destination number (e.g., 217)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to advance cursor
3. Enter in valid night destination number (e.g., 249)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DISA ALARM RING  
D:500      N:500

DISA ALARM RING  
D:217      N:500

DISA ALARM RING  
D:217      N:249

**DEFAULT DATA: DAY 500  
NIGHT 500**

**RELATED ITEMS: MMC 202 CHANGE FEATURE PASSCODES  
MMC 410 ASSIGN DISA TRUNK  
MMC 500 SYSTEM-WIDE COUNTERS  
MMC 501 SYSTEM TIMERS  
MMC 101 CHANGE USER PASSCODE  
MMC 507 ASSIGN AUTO NIGHT TIME**

**NOTE:**      DISA ALARM is not applicable to DCS/Compact system.

# MMC: 215 DIAL BY VOICE OPTIONS

## DESCRIPTION:

Assigns the VDIAL PCB with two(2) channels and seven (7) users or one(1) channel and five (5) users. When changing channel size, you will be prompted to 'clear RAM". This is only for Dial by voice not the system. This will prevent accidental usage of pre-recorded names. It is advised that you clear RAM prior to assignment of users in MMC 216. VDIAL PCBs are numbered with ODD numbers, e.g., the first VDIAL PCB in system is numbered 3551, (3552) and the second VDIAL PCB is numbered 3553, (3554) if only one channel is assigned, the even number (3552) will not appear in MMC 216.

OPTION : 0 : 2CH-7USER-20BIN ( 7 USERS )  
1 : 1CH-5USER-40BIN ( 5 USERS )

## 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

## ACTION

## DISPLAY

- |  |   |
|--|---|
| 1. Press TRSF 215<br>Display shows   | [3551]VDIAL OPTN<br>2CH-7USER-20BIN                                       |
| 2. Enter dial voice number, e.g., 3552, via dial keypad<br>OR<br>Press UP or DOWN key to make selection<br>Press RIGHT soft key to move cursor | [3552]VDIAL OPTN<br>2CH-7USER-20BIN                                       |
| 3. Select channel option by pressing UP or DOWN key to view selection<br>Press RIGHT soft key to make selection                                | [3552]VDIAL OPTN<br>1CH-5USER-40BIN                                       |
| 4. Enter 0 for NO or 1 for YES<br>OR<br>Press UP and DOWN key to view selection<br>Press RIGHT soft key to make selection                      | [3552]VDIAL OPTN<br>CLEAR RAM?NO<br><br>[3552]VDIAL OPTN<br>CLEAR RAM?YES |
| 5. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC  |   |



**DEFAULT DATA: 2CH-7USER-20BIN**

**RELATED ITEMS: MMC 216 VOICE DIALER  
MMC 722 STATION KEY PROGRAMMING  
MMC 723 SYSTEM KEY PROGRAMMING  
MMC 724 DIAL NUMBER PLAN  
KEYSET USER GUIDE**

# MMC: 216 DIAL BY VOICE ASSIGNMENTS

## DESCRIPTION:

Allows a station to be assigned to a channel of the PCB VDIAL, to dial a personal speed dial number. The number of users assigned to this feature is controlled by MMC215 DIAL BY VOICE OPTIONS which will allow either two (2) channels with seven (7) users or one (1) channel with five (5) users.

## 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 TRSF 216  
Display shows
2. Enter Dial by Voice number, e.g., 3552 via dial keypad  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to move cursor
3. Enter user number (1-7/1-5) dependent on number of users allowed via MMC 215  
OR  
Press UP or DOWN key to make selection  
press RIGHT soft key to move cursor
4. Enter station number (e.g., 205) via dial keypad  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to return to step 3 to continue with entries
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[3551]VOICE DIAL  
USER 1 : NONE

[3552]VOICE DIAL  
USER 1 : NONE

[3552]VOICE DIAL  
USER 5 : NONE

[3552]VDIAL OPTN  
USER 5:205

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 215 VDIALER OPTION**  
**MMC 722 STATION KEY PROGRAMMING**  
**MMC 723 SYSTEM KEY PROGRAMMING**  
**MMC 724 DIAL NUMBER PLAN**  
**KEYSET USER GUIDE**

## MMC: 217

## CCC OPTION

### DESCRIPTION:

This MMC is used to select Call Cost Option and is related only with 131 Mercury service.

#### ACTION

1. Press TRSF 217  
Display shows
2. Use UP or DOWN to scroll through options.
- 3 Press TRANSFER to store and exit  
or Press SPK to store and advance  
to next MMC

#### DISPLAY

CCC OPTION  
OPTION : NONE

CCC OPTION  
OPTION : STATION #

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 313 ASSIGN PIN CODE  
MMC 717 PIN CODE**

# 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 dialing its directory number (DN). This selection should be turned to off when using LCR.
MICROPHONE	Allows all keysets to be used in the speakerphone mode.
OFFHOOK 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	When this feature is set to ON, it will allow calls to be forwarded to voice mail.

### 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 TRSF 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 and advance to step 3	[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 and advance to step 4	[ALL] CUS.ON/OFF ACCESS DIAL :ON
4. Press UP or DOWN to select ON/OFF and press RIGHT soft key OR Dial 1 for ON or 0 for OFF	[ALL] CUS.ON/OFF ACCESS DIAL :OFF

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

**DEFAULT DATA: ALL FEATURES SET TO ON**

**RELATED ITEMS: LCR PROGRAMMING**

# MMC: 301

# ASSIGN STATION COS

## DESCRIPTION:

Used to assign a day and night class of service to each keyset. There are 30 different classes of service that are defined in MMC 701 Assign COS Contents. Classes of service are numbered 01–30.

## 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 TRSF 301  
Display shows first station
2. Dial station number (e.g., 205)  
OR  
Use UP and DOWN to scroll through stations and press RIGHT soft key to advance to step 3  
OR  
Use UP and DOWN to scroll through stations and press LEFT soft key to advance to step 4  
OR  
Press ANS/RLS to select all stations
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
4. Enter night 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 step 3
5. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

[201] STN COS  
DAY:01 NIGHT:01

[205] STN COS  
DAY:01 NIGHT: 01

[ALL] STN COS  
DAY:?? NIGHT:??

[205] STN COS  
DAY:05 NIGHT:01

[205] STN COS  
DAY:05 NIGHT:05

**DEFAULT DATA: DAY CLASS = 01  
NIGHT CLASS = 01**

**RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS  
MMC 507 ASSIGN AUTO NIGHT TIME**

# MMC: 302

# PICKUP GROUPS

## DESCRIPTION:

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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 302  
Display shows
2. Dial station number ( e.g., 205)  
OR  
Use UP or DOWN to select station number and  
press RIGHT soft key  
OR  
Press ANS/RLS key to select all
3. Dial pick up group number  
OR  
Press UP or DOWN to select group number
4. Press RIGHT soft key to return to step 2 above  
OR  
Press LEFT soft key to return to step 3 above  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[201] PICKUP GRP  
PICKUP GRP :NONE

[205] PICKUP GRP  
PICKUP GRP :NONE

[ALL] PICKUP GRP  
PICKUP GRP :??

[205] PICKUP GRP  
PICKUP GRP :05

## DEFAULT DATA: 01

## RELATED ITEMS: MMC 107 KEY EXTENDER

MMC 722 STATION KEY PROGRAMMING  
MMC 723 SYSTEM KEY PROGRAMMING



# MMC: 303      ASSIGN BOSS/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.

## 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
F BUTTON	Key 24; Used to toggle BOSS/SECRETARY field

## ACTION

1. Press TRSF 303  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to selected station and press RIGHT soft key, to advance cursor to step 3
3. Dial station number (e.g., 201)  
OR  
Press UP or DOWN to selected station and press RIGHT soft key to return to step 3
4. Press LEFT soft key to return to step 2 and continue entries  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

BOSS STN:NONE  
SECR 1:NONE

BOSS STN:NONE  
SECR 1:NONE

BOSS STN :205  
SECR 1:NONE

BOSS STN:205  
SECR 1:201

BOSS STN:205  
SECR 2:202

**DEFAULT DATA: None**

**RELATED ITEMS: MMC 722 Station Key Programming**  
"F" button is button #24 on keyset.

# MMC:304 ASSIGN EXTENSION/TRUNK USE

## DESCRIPTION:

Allow trunks the ability on a per-station basis to answer incoming calls, to dial out or to do both. If a station is set to NO Dial, the station will not have the ability to place a call. If the station is set to NO Answer, the station cannot answer an incoming call.

**NOTE: MMC 406 Trunk Ring Assignment overrides this MMC for the Answer option.**

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 304  
Display shows
2. Dial the station number ( e.g., 205)  
OR  
Press UP or DOWN key to select station and press  
RIGHT soft key to advance to step 3
3. Dial the trunk ID number ( e.g., 704)  
OR  
Press UP or DOWN key to select trunk and press RIGHT  
soft key to advance to step 4
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  
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
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[201] USE [701]  
DIAL:YES ANS:YES

[205] USE [Z01]  
DIAL:YES ANS:YES

[205] USE [704]  
DIAL:YES ANS:YES

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

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

**DEFAULT DATA:** DIAL = Yes  
                    ANS = Yes

**RELATED ITEMS:** MMC 406 Trunk Ringing Assignment  
                    MMC 722 Station Key Programming  
                    MMC 723 System Key Programming

## MMC: 305

## ASSIGN FORCED CODE

### DESCRIPTION:

Allows the assignment of either account or authorization codes on a per-station basis or on an all-station basis.

### 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

### FEATURE KEYS

0	NONE
1	AUTHORIZE
2	ACCOUNT

### ACTION

1. Press TRSF  
Display show
2. Dial station number ( e.g., 205)  
OR  
Press UP or DOWN key to select station and press  
RIGHT soft key to move cursor and advance to step 3
3. Dial a feature option 0-2, e.g., 2  
OR  
Press UP or DOWN key to select option  
and press RIGHT soft key to return step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[201] FORCD CODE  
NONE

[205] FORCD CODE  
NONE

[205] FORCD CODE  
ACCOUNT

**DEFAULT DATA: None**

**RELATED ITEMS: MMC 707 Authorization Code  
MMC 708 Account Code**

# MMC: 306 LINE

HOT

## DESCRIPTION:

Allows the DCS to have a automatic ring down circuit for INTERNAL use only. If an external number is to be dialed, use MMC 307 Assign Off-Hook Selection. A destination can be either a station or station group.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 306  
Display shows and press RIGHT soft key to advance cursor
2. Enter in valid number via dial pad keys  
OR  
Press UP or DOWN to make selection and press RIGHT soft key to return to step 1

### DISPLAY

[201] HOT LINE  
NONE

[201] HOT LINE  
202

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 307 ASSIGN OFF-HOOK SELECTION**

# MMC: 307      ASSIGN OFF-HOOK SELECTION

## DESCRIPTION:

Allows a station the ability to make a predetermined outgoing call, e.g., 999, upon the expiration of a timer (see MMC 501 System Timers, Off-Hook Selection Timer). There can be a maximum of 18 digits dialed with pauses, FLASH, and OCC added in the dial string. The access code for the trunk is not counted.

## 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
B	Used to insert a flash code "F"
C	Used to insert a pause code "P"
D	Used to insert a pulse/tone conversion code "C"
E	Used to mask/unmask following digits—shows as "[" or "]"

## ACTION

## DISPLAY

1. Press TRSF 307  
Display shows
2. Dial station number  
OR  
Use UP or DOWN to scroll through station numbers and press RIGHT soft key to move the cursor
3. Dial telephone number with an access code or trunk ID (e.g., 9 or 701) with a maximum of 18 outgoing digits after the access code (see above list of options if needed)  
Bottom row of program keys are options B–E Press RIGHT soft key to advance cursor to step 4
4. Dial a 1 for YES or 0 for NO  
OR  
Press UP or DOWN key to select YES/NO option.  
Press RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[201] OFFHK SEL.

[205] OFFHK SEL.

[205] OFFHK SEL.  
9-1305P4264100\_

[205] OFFHK SEL.  
CURRENTLY SET:YES

**DEFAULT DATA: CURRENTLY SET = NO**

**RELATED ITEMS: MMC 501 SYSTEM TIMERS, OFF-HOOK SELECTION TIMER  
"B" TO "E" BUTTONS ARE BUTTON #20 TO #23 ON KEYSSET.**

# MMC:308

## ASSIGN BACKGROUND MUSIC SOURCE

### DESCRIPTION:

Assigns a background music source to the DCS keysets. There is a total of 19 possible music selections, but this is dependent on the number of Trunk A cards that are installed in the system. Only one music source is provided per Trunk A card. The system must have a Trunk A card installed to provide a BGM source. The default directory number of a background music source is 3701-3719.

NOTE: Internal music is always the odd numbered address, i.e., 3701, 3703.

### PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used 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 TRSF 308  
Display shows current setting
2. Dial keyset number (e.g., 205)  
OR  
Use UP or DOWN to scroll through keyset numbers and press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select all stations
3. Enter source number (e.g., 3701)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[201 ] BGM SOURCE  
BGM SOURCE:NONE

[205 ] BGM SOURCE  
BGM SOURCE:NONE

[ALL] BGM SOURCE  
BGM SOURCE:?

[205 ] BGM SOURCE  
BGM SOURCE:3701

### DEFAULT DATA: NONE

**RELATED ITEMS: MMC 309 ASSIGN STATION MUSIC ON HOLD**  
**MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**

# MMC: 309

## ASSIGN STATION MUSIC ON HOLD

### DESCRIPTION:

Assigns a Music On Hold source to the DCS keysets. There is a total of 19 possible music selections, but this is dependent on the number of Trunk A cards in the system. Only one external music source is provided per Trunk A card. The system must have a Trunk A card installed to provide a music source. The default directory number of a music source is 3701 ~ 3719 on Trunk A card.

**NOTES :** Internal music is always the odd numbered address,i.e.,3701,3703.

### 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 TRSF 308  
Display shows current setting
2. Dial keyset number (e.g., 205)  
OR  
Use UP or DOWN to scroll through keyset numbers and  
press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select all stations
3. Enter source number (e.g., 3701)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[201 ] MOH SOURCE  
MOH SOURCE:NONE

[205 ] MOH SOURCE  
MOH SOURCE:NONE

[ALL] MOH SOURCE  
MOH SOURCE:?

[205 ] MOH SOURCE  
MOH SOURCE:3701

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 308 ASSIGN BACKGROUND MUSIC SOURCE  
MMC 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE**



# MMC: 310 SERVICE

## LCR CLASS OF

### DESCRIPTION:

Assigns the LCR class of service allowed for a station on a per-station basis. There are eight classes which may be assigned.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 310  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN to select station and press RIGHT  
soft key to move cursor  
OR  
Press ANS/RLS to select all station
3. Dial 1-8 to select class type  
OR  
Press UP or DOWN to select class type and press RIGHT  
soft key to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[201] LCR CLASS  
LCR CLASS 1

[205] LCR CLASS  
LCR CLASS 1

[ALL] LCR CLASS  
LCR CLASS ?

[205] LCR CLASS  
LCR CLASS 3

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

**RELATED ITEMS: LCR PROGRAMMING**

# MMC: 311 PARAMETER

## ASSIGN SIM

### DESCRIPTION:

Assigns and sets parameters for the serial interface module (SIM).

#### 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 TRSF 311<br>Display shows   | [256] SIM PARA.<br>SIM TYPE :DTE            |
| 2. Enter station number of SIM (e.g., 257) from dial key pad<br>OR<br>Press UP or DOWN key to make selection and press<br>RIGHT soft key to move cursor          | [257] SIM PARA.<br>SIM TYPE :DTE            |
| 3a. Enter in desired selection from table "A" (e.g., 01)<br>OR<br>Press UP or DOWN key to make selection<br>And press RIGHT soft key to move cursor              | [257] SIM PARA.<br><u>C</u> ALL MODE:MANUAL |
| 3b. Enter in desired selection from table "B" (e.g., 02)<br>OR<br>Press UP or DOWN key to make selection and press<br>RIGHT soft key to move cursor to step 4    | [257] SIM PARA.<br>SIM TYPE :DTE            |
| 3c. Enter in desired selection from table "D" (e.g., 02)<br>OR<br>Press UP or DOWN key to make selection and press<br>RIGHT soft key to move cursor to step 4    | [257] SIM PARA.<br><u>A</u> NS MODE :MANUAL |
| 3d. Enter in desired selection from table "E" (e.g., 03)<br>OR<br>Press UP or DOWN key to make selection<br>And press RIGHT soft key to move cursor to<br>step 4 | [257] SIM PARA.<br><u>A</u> UTO BAUD:ON     |

- 3e. Enter in desired selection from table "F" (e.g., 04)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
DTR CHECK:ON
- 3f. Enter in desired selection from table "G" (e.g., 05)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
ECHO :ON
- 3g. Enter in desired selection from table "H" (e.g., 06)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
PROTOCOL :V110
- 3h. Enter in desired selection from table "I" (e.g., 07)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
SPEED :9600
- 3i. Enter in desired selection from table "J" (e.g., 08)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
CHAR LENG:8 BITS
- 3j. Enter in desired selection from table "K" (e.g., 09)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
PARITY :NONE
- 3k. Enter in desired selection from table "L" (e.g., 10)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor to step 4
- [257] SIM PARA.  
STOP BIT :1
4. Enter in desired selection from table "C"(e.g., 1)  
OR  
Press UP or DOWN key to make selection and press  
LEFT soft key to move cursor back to step 3, and  
continue entries  
OR  
Proceed to step 5
- [257] SIM PARA.  
CALL MODE:A WITH
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**TABLE A**  
**SIM PARAMETER**

00	SIM TYPE	=	Table B
01	CALL MODE	=	Table C
02	ANS MODE	=	Table D
03	AUTO BAUD	=	Table E

04	DTR CHECK	=	Table F
05	ECHO	=	Table G
06	PROTOCOL	=	Table H
07	SPEED	=	Table I
08	CHAR LENGTH	=	Table J
09	PARITY	=	Table K
10	STOP BIT	=	Table L

**TABLE B. SIM TYPE**

0	HOST
1	MODEM
2	DTE
3	PRT

**TABLE H. PROTOCOL**

0	V110
1	V120

**TABLE C. CALL MODE**

0	MANUAL
1	AUTO WITH
2	AUTO WITHOUT

**TABLE I. SPEED TABLE**

0	300
1	600
2	1200
3	2400
4	4800
5	9600
6	19200
7	38400
8	48000
9	56000

**TABLE D. ANS MODE**

0	MANUAL
1	AUTO

**TABLE J. CHAR LENGTH**

0	8
1	7
2	6
3	5

**TABLE E. AUTO BAUD**

0	OFF
1	ON

**TABLE K. PARITY TABLE**

0	NONE
1	ODD
2	EVEN

**TABLE F. DTR CHECK**

0	OFF
1	ON

**TABLE L. STOP BIT**

0	1
1	1.5
2	2

**TABLE G. ECHO**

0	OFF
1	ON

**DEFAULT DATA:** SIM TYPE = DTE  
CALL MODE = MANUAL  
ANS MODE = MANUAL  
AUTO BAUD = ON  
DTR CHECK = ON  
ECHO = ON  
PROTOCOL = V110  
SPEED = 9600  
CHAR LENG = EIGHT BITS  
PARITY = NONE  
STOP BIT = 1

**RELATED ITEMS:** MMC 804 SYSTEM I/O PARAMETER

# MMC: 312

# ALLOW CLIP

## DESCRIPTION:

Allows the system administrator or technician to allow or deny the displaying of CLIP data at LCD 24B and LCD 12B keysets. Each keyset can have the following options:

- 0 CLIP NOT ALLOWED No calling line id data will be displayed  
1 CLIPALLOWED The calling line id data will be displayed

### ACTION

1. Press TRSF 312  
Display shows
2. Dial STATION NUMBER (e.g., 205)  
OR Press UP or DOWN to select station  
and press right soft key to move cursor  
OR  
Press ANS/RLS to select all
3. Dial 0 or 1 to select option  
OR  
Press UP or DOWN to select option  
and press right soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to save and advance to next MMC

### DISPLAY

[201] ALLOW CLIP  
CLIP NOT ALLOW

[205] ALLOW CLIP  
CLIP NOT ALLOW  
OR

[ALL] ALLOW CLIP  
??

[205] ALLOW CLIP  
CLIP ALLOW  
OR

[ALL] ALLOW CLIP  
CLIP ALLOW

**DEFAULT DATA : CLIP ALLOWED**

**RELATED ITEMS: MMC 119 CLIP Display**

## MMC: 313

## ASSIGN PIN CODE

### DESCRIPTION:

Assigns individual users to which PIN code in the system. There are maximum 4 PIN codes allocated by Mercury in the system so users must be assigned to which PIN code is used when dial out on a Mercury Network.

This MMC is related only 131 Mercury service.

#### ACTION

1. Press TRSF 313  
Display shows
2. Dial the station number (e.g.,205)  
OR  
Press UP or DOWN key to select station  
and pre RIGHT soft key to advance step 3
- 3 Enter the pin code serial number [1`4]
- 4 Press TRSF to store and exit  
OR  
Press SPK to store and advance to next  
MMC

#### DISPLAY

[201] PIN CODE  
PIN CODE # : NONE

[205] PIN CODE  
PIN CODE # : NONE

[205] PIN CODE  
PIN CODE # : 1

**DEFAULT DATA: 1**

**RELATED ITEMS: MMC 217 CCC OPTION  
MMC 717 PIN CODE**

# MMC: 400 CUSTOMER ON/OFF PER TRUNK

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

NOTE: 1A2 Emulation is not a common word, but it means the third party can be joined on an existing Trunk conversation by pressing DTS key for the line on his keyset.

## OPTIONS

0	1A2 EMULATION	Trunk override call (NO PRIVACY)
1	TRUNK INC DND	Allows trunk to override DND (DIL)
2	TRUNK FORWARD	Allows trunk to be forwarded
3	LCR ALLOW	LCR allow ON/OFF via direct trunk access

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 400  
Display show
2. Dial trunk number (e.g., 704)  
OR  
Press UP or DOWN key to select trunk  
OR  
Press ANS/RLS for all trunks and press RIGHT soft key to move cursor to options  
Dial option number from above list (0-2)  
OR  
Press UP or DOWN key to select option and press RIGHT soft key to move cursor
3. 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  
  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[Z01] TRK ON/OFF  
1A2 EMULATE:OFF

[Z04] TRK ON/OFF  
1A2 EMULATE:OFF

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

[704] TRK ON/OFF  
TRK FORWARD :ON

[704] TRK ON/OFF  
TRK FORWARD: OFF



**DEFAULT DATA: 1A2 EMULATE OFF**  
**TRUNK INC DND OFF**  
**TRUNK FORWARD ON**  
**LCR ALLOW OFF**

**RELATED ITEMS: NONE**

# 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. This mode is assigned on a per-trunk basis. If a trunk requires the use of the RECALL key, it must be set to PBX mode.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 401  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select ALL
3. Dial 1 for PBX or 0 for CO  
OR  
Use UP or DOWN to scroll through options  
Press RIGHT soft key to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[701] PBX LINE  
CO LINE

[704] PBX LINE  
CO LINE

[ALL] PBX LINE  
?

[704] PBX LINE  
PBX LINE

**DEFAULT DATA: ALL TRUNKS C.O. LINE**

**RELATED ITEMS: MMC709 PBX ACCESS CODE**

# MMC: 402 TYPE

## TRUNK DIAL

### DESCRIPTION:

Used to determine the dialing type of each C.O. line. There are two options: 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

### ACTION

1. Press TRSF 402  
Display show
2. Dial trunk number (e.g., 704)  
OR  
Use UP or DOWN to scroll through trunk numbers and  
press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select ALL
3. Dial 1 for PULSE or 0 for DTMF  
OR  
Use UP or DOWN to scroll through options  
Press RIGHT soft keys to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[701] DIAL TYPE  
DTMF TYPE

[704] DIAL TYPE  
DTMF TYPE

[ALL] DIAL TYPE  
?

[704] DIAL TYPE  
DIAL PULSE TYPE

**DEFAULT DATA: ALL TRUNKS DTMF**

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

# MMC: 403

# TRUNK TOLL CLASS

## DESCRIPTION:

Assigns toll class level assignments on a per-trunk or all-trunk basis in a day or night condition. 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	Follow toll class H

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 402  
Display shows
2. Dial trunk number  
OR  
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move the cursor  
OR  
Press ANS/RLS to select ALL
3. Press LEFT soft key to advance to night toll class  
OR  
Press RIGHT soft key to advance to day 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

## DISPLAY

[701] TOLL CLASS  
D:F-STN N:F-STN

[704] TOLL CLASS  
D:F-STN N:F-STN

[ALL] TOLL CLASS  
D:? N:?

[704] TOLL CLASS  
D:CLS-B N:F-STN

4. Press RIGHT soft keys to return to step 2 above  
OR  
Enter night toll class (e.g., 2)  
OR  
Use UP or DOWN to scroll through toll classes  
and use RIGHT soft key to return to step 2 above

[704] TOLL CLASS  
D:CLS-B N:CLS-B

5. Press TRSF to store data and exit  
OR  
Press SPK to store data and advance to next MMC

#### **DEFAULT DATA: ALL TRUNKS F-STN DAY/NIGHT**

**RELATED ITEMS: MMC 202 CHANGE FEATURE PASSCODE  
MMC 301 ASSIGN STATION COS  
MMC 507 ASSIGN AUTO NIGHT TIME  
MMC 701 ASSIGN COS CONTENTS  
TOLL RESTRICTION**

## MMC: 404

## TRUNK NAME

**DESCRIPTION:**

Allows a eleven (11) character name to be entered to identify an individual trunk.

Names are written using the key pad. Each press of a key will select 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" four times to get the letter "S." Now press the number "2" twice to get the letter "A." 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 left. A space can be entered by using these keys.

COUNT	2	3	4	5	1
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 special characters: #, space, &, !, :, ?, ., %, \$, -, <, >, /, =, [, ], @, ^, (, ), \_, +, {, }, |, ;, \, " and ~.

**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
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**

1. Press TRSF 404  
Display shows
2. Dial trunk (e.g., 705)  
OR  
Press UP or DOWN to select trunk and press RIGHT soft key to move the cursor

**DISPLAY**

[701] TRUNK NAME

[704] TRUNK NAME

3. Enter trunk name using the procedure described above. [704] TRUNK NAME  
Press RIGHT soft key to return to step 2 SAMSUNG
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA: NO NAMES ENTERED**

**RELATED ITEMS: MMC 104 STATION NAME  
MMC 405 C.O. TRUNK NUMBER  
"A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 405

# TRUNK NUMBER

## DESCRIPTION:

Allows a eleven (11) digit number to be entered to identify an individual trunk.

Numbers are written using the key pad. Each press of a key will select a digit. Pressing the desired key will move the cursor to the next position. For example, if the directory number is "426-4100," press the number "4" five times to get the number "4." Now press the number "2" five times 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.

COUNT	2	3	4	5	1
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 special characters: #, space, &, !, :, ?, ., %, \$, -, <, >, /, =, [, ], @, ^, (, ), \_, +, {, }, |, ;, \, " and ~.

## 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
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

1. Press TRSF 405  
Display shows
2. Dial trunk (e.g., 705)  
OR  
Press UP or DOWN to select trunk and press RIGHT soft key to move the cursor
3. Enter trunk number using the procedure described above

## DISPLAY

[701] CO TEL NO.

[704] CO TEL NO.

[704] CO TEL NO.  
3054264100



4. Press RIGHT soft key to return to step 2 above  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA: NO NUMBERS ENTERED**

**RELATED ITEMS: MMC 404 TRUNK NAME**

**"A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC: 406 TRUNK RING ASSIGNMENT

## DESCRIPTION:

Enables ringing to a specific station or a group of stations or an auto attendant when incoming calls are received. This MMC controls both day and night locations.

DEVICE	DEFAULT DN
Station	201-349
Station group	500-529
AA	39xx

## 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 (trunks only)

## ACTION

1. Press TRSF 406  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Use UP or DOWN to scroll through trunk numbers and press the RIGHT soft key to move the cursor
3. Dial station number or station group number (e.g., 205 or 501)  
OR  
Press UP or DOWN key to select station number or station group number and press RIGHT soft key to move cursor to night destination and repeat step 3  
OR  
Press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[701] TRK RING  
D:500 N:500

[704] TRK RING  
D:500 N:500

[704] TRK RING  
D:205 N:500

[704] TRK RING  
D:205 N:501

**DEFAULT DATA: All Trunks Day:500 Night:500**

**RELATED ITEMS: MMC 202 CHANGE FEATURE PASSCODE**

**MMC 507 ASSIGN AUTO NIGHT 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

## ACTION

1. Press TRSF 407  
Display shows
2. Dial in trunk number ( e.g., 704)  
OR  
Press UP or DOWN key selected trunk and press right soft key  
OR  
Press ANS/RLS to select all trunks
3. Dial 1 for YES  
OR  
Dial 0 for NO  
Pressing 1 or 0 will return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

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

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

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

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

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 603 Assign Trunk Group**

# MMC: 408 ASSIGN TRUNK MUSIC ON HOLD SOURCE

## DESCRIPTION:

Allows the system administrator to select which Music On Hold (MOH) source can be heard on each trunk. There are four types of selections: TONE, NONE, INTERNAL and EXTERNAL(customer-provided MOH source) connected to a Trunk A card. The default directory number of an MOH source is 37XX.

## OPTIONS

TONE  
NONE  
37XX

## NOTE:

Internal music is always the odd numbered address,i.i., 3701,3703.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 408  
Display shows current setting
2. Dial trunk number (e.g., 704)  
OR  
Use UP or DOWN to scroll through trunk numbers and press RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select ALL
3. Enter source number (e.g., 3701)  
OR  
Press UP or DOWN key to select option  
Press RIGHT soft key to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[701 ] TRK MOH  
MOH SOURCE:TONE

[704 ] TRK MOH  
MOH SOURCE:TONE

[ALL] TRK MOH  
MOH SOURCE:2

[705 ] TRK MOH  
MOH SOURCE:3701

## DEFAULT DATA: TONE

## RELATED ITEMS: MMC 308 ASSIGN BACKGROUND MUSIC SOURCE

# 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
01	Tenant Number
02	1A2 Emulation On/Off
03	Trunk Forward Sts On/Off
04	Line Type
05	Dial Type
06	Day Toll Restriction
07	Night Toll Restriction
08	Day Ring Destination
09	Night Ring Destination
10	MOH Source
11	DISA Status
12	Name
13	Tel Number

**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 TRSF 409  
Display shows
2. Enter trunk number via dial key pad (e.g.,704)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to advance cursor
- 3a. Enter in desired option  
OR  
Press UP or DOWN key to make selection
- 3b. Enter in desired option  
OR  
Press UP or DOWN key to make selection
- 3c. Enter in desired option  
OR  
Press UP or DOWN key to make selection

[701] LOOP TRUNK  
PORT #:CX-SX-P01

[704] LOOP TRUNK  
PORT #:CX-SX-P01

[704] LOOP TRUNK  
TENANT NUMBER:1

[704] LOOP TRUNK  
1A2 EMUL STS:OFF

[704] LOOP TRUNK  
TRK FWD STS :ON

3d.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK LINE: CO LINE
3e.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK DIAL:DTMF TYPE
3f.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK DAY TOLL :F-STN
3g.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK NIGHT TOLL:F-STN
3h.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK DAY RING :500
3i.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK NIGHT RING:500
3j.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK MOH SOURCE:TONE
3k.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK DISA:NORMAL
3l.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK NAME:
3m.	Enter in desired option OR Press UP or DOWN key to make selection	[704] LOOP TRUNK TEL#:

**DEFAULT DATA: See Above Entries**

**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 405 C.O. Trunk Number  
 MMC 406 Trunk Ringing Assignment  
 MMC 408 Assign Trunk Music on Hold Source  
 MMC 410 Assign DISA Trunk  
 MMC 803 Assign Tenant Group

## 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 lock out 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. *Only one central office call will be allowed per DISA call* but multiple intercom calls are possible.

**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 (trunks)

**FEATURE KEYS**

0	NORMAL	No DISA service
1	DAY	In day mode DISA is available
2	NIGHT	In night mode DISA is available
3	BOTH	In day and night mode DISA is available

**ACTION****DISPLAY**

1. Press TRSF 410  
Display shows
2. Dial trunk number ( e.g., 704)  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key  
OR  
Press ANS/RLS key to select all trunks
3. Dial an option (0-3) from above table  
OR  
Press UP or DOWN key to select trunk and press RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[701] DISA LINE  
NORMAL

[704] DISA LINE  
NORMAL

[ALL] DISA LINE  
?

[704] DISA LINE  
NIGHT



**DEFAULT DATA: All Trunks Normal**

**RELATED ITEMS: MMC 500 SYSTEM-WIDE COUNTERS  
MMC 214 DISA ALARM RINGING STATION  
MMC 101 CHANGE USER PASSCODE  
MMC 501 SYSTEM TIMERS**

# MMC: 411 TYPE

## ASSIGN E1 SIGNAL

### DESCRIPTION:

Defines the type of signaling for the E1 trunks assigned to the card.

There are four (4) types of signaling as detailed below. There are six conditions of signalling associated with E&M and DID.

MODE	TYPE		CONDITIONS	
0	LOOP			
1	AC15	IMMEDIATE	DELAYED	WINK
2	DID	IMMEDIATE	DELAYED	WINK
3	UNUSE			
4	NO ANSWER BACK	IMMEDIATE	DELAYED	WINK
5	DIRECT BACK	IMMEDIATE	DELAYED	WINK

### 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
ANS/RLS	Used to select ALL

### ACTION

### DISPLAY

1.	Press TRSF 411 Display shows	[701] E1 SIGNAL UNUSE
2a.	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] E1 SIGNAL UNUSE  -
2b.	Enter desired trunk type selection from above list 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 AC15 press RIGHT soft key to advance to type of trunk (e.g., WINK) and press RIGHT soft key to return to step 2a OR	[705] E1 SIGNAL LOOP  [705] E1 SIGNAL DID:WINK
3a.	Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

**DEFAULT DATA: None**

**RELATED ITEMS: MMC 416 ASSIGN AC15 TRANSLATION  
MMC 714 DID NUMBER AND NAME TRANSLATION**

Note: This MMC is not applicable to DCS/Compact System

# MMC: 412 SIGNAL

## ASSIGN TRUNK

### DESCRIPTION:

Allows for the assignment of analogue DID or AC15 PCBs for proper signalling. This MMC is only for analogue type of DID/AC15 trunks. These trunks can also use the translation tables in MMC714. The AC15 trunks are allowed the used of translation tables via MMC416. The signalling condition types are as follows:

### CONDITIONS

IMMEDIATE  
IMMEDIATE

DELAYED  
DELAYED

WINK  
WINK

### 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
ANS/RLS	Used to select ALL

### ACTION

### DISPLAY

1. Press TRSF 412 Display shows	[701] TRK SIGNAL IMMEDIATE START
2a. 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  -
2b. Enter desired trunk type selection from above list OR Press UP or DOWN key to make selection and press RIGHT soft key to return to step 2a	[705] TRK SIGNAL <u>WINK</u>
3. Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

**DEFAULT DATA:** All AC15 trunks set to immediate.

**RELATED ITEMS:** MMC 714 DID Number and Name Translation

## MMC: 414

## MPD/PRS SIGNAL

### DESCRIPTION:

This MMC assigns CO lines to be accepted either Metering Pulse or Polarity Reversal Signal on a per trunk basis. Metering Pulse detection is required to install Metering Pulse Detection Unit on a trunk card. Polarity Reversal Signal provided by the C.O may be arrived to the system when the other party answers the outgoing call or the outside party clears the call when you are on a C.O line. If the trunk assigned as PRS detection call duration time will be generated on an SMDR record once the PRS has been detected. Moreover, PRS detection is essential for dropping C.O-C.O conversation with unsupervised by the internal party.

#### ACTION

1. Press TRSF 414  
Display shows
2. Dial TRUNK number  
OR  
Press UP or DOWN to select trunk and use left or right soft key to move cursor
3. Dial 1 for PRS OR Dial 0 for MPD  
OR  
Press UP or DOWN to scroll through options and use left or right soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

#### DISPLAY

[701] MPD/PRS  
MPD

[705] MPD/PRS  
MPD

[705] MPD/PRS  
PRS

**DEFAULT DATA : NONE**

**RELATED ITEMS: MMC 508 CALL COST**

## MMC: 415 REPORT TRUNK ABANDON DATA

### DESCRIPTION:

Allows the system administrator or technician to enable or disable the reporting of abandoned CO calls for which CLIP 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 CLIP information will not be printed on SMDR or stored in the system call abandon list.

These records will continue to be stored in the station review list.

1 REPORT : YES Abandoned call records for incoming calls with CLIP information will be printed on SMDR or 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, in MMC 725 SMDR Options, Option 11 Print Abandoned Call Records must be set to YES.

### ACTION

### DISPLAY

1. Press TRSF 415  
Display shows
2. Dial TRUNK number  
OR  
Press UP or DOWN to select trunk and use left or right soft key to move cursor
3. Dial 1 for YES OR Dial 0 for NO  
OR  
Press UP or DOWN to scroll through options and use left or right soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[701]TRK ABNDN  
REPORT : YES

[705]TRK ABNDN  
REPORT : YES

[705]TRK ABNDN  
REPORT : NO

**DEFAULT DATA : All TRUNKS will not report data**

**RELATED ITEMS: MMC 119 CLIP DISPLAY**

**MMC 312 ALLOW CLIP**

**MMC 608 ASSIGN REVIEW BLOCK**

**MMC 722 STATION KEY PROGRAMMING**

**MMC 723 SYSTEM KEY PROGRAMMING**

**MMC 725 SMDR OPTIONS**

**MMC 728 CLIP TRANSLATION TABLE**

# MMC: 416      ASSIGN AC15 TRANSLATION

## DESCRIPTION:

Gives the ability of an AC15 tie line to use the DID translation tables (MMC 714).

## 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
ANS/RLS	Used to select ALL

## ACTION

## DISPLAY

1. Press TRSF 416  
Display shows
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
3. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[Z01] AC15 TRANS  
UNUSE DID TRANS

[705] AC15 TRANS  
USE DID TRANS

-

## DEFAULT DATA: UNUSE DID TRANS

**RELATED ITEMS:** MMC 411 ASSIGN E1 SIGNAL TYPE  
MMC 714 DID NUMBER AND NAME TRANSLATION

# MMC: 417

# PRI CRC4-OPTION

## DESCRIPTION:

This option is used to enable/disable the CRC4 generation and checking. It is useful with some networks which do not support CRC4 framing but only PCM30 framing. By default, the CRC option is ON.

### NOTE:

After changing this option, MMC 418 must be used to restart the card to make the change effective.

### 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 TRSF 417<br>Display shows   | PRI-TRK C:1 S:3<br>CRC4 : ON |
| 2. Press RIGHT soft key to move cursor under slot number.<br>Use UP or DOWN key to select slot number<br>OR<br>Dial slot number using keypad (e.g., slot number = 5)     | PRI-TRK C:1 S:5<br>CRC4 : ON |
| 3. Press RIGHT soft key to move cursor under ON. Use UP or DOWN key to select ON/OFF and press RIGHT soft key to return to step 2 to change the option for another card. | PRI-TRK C:1 S:5<br>CRC4 : ON |
| 4. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC  |                              |

### DEFAULT DATA: CRC4 ON

### RELATED ITEMS: MMC 418 CARD RESTART

Note: This MMC is not applicable to DCS/Compact System



# MMC: 418

# CARD RESTART

## DESCRIPTION:

This option make the changes, you made in MMC417 "PRI CRC4 OPTION", MMC419 "BRI OPTION" MMC420 "PRI OPTION" or MMC423 "S/T MODE", applied to the BRI or PRI card that you restart.

If you run this program,each BRI CARD will be restarted according to the parometers that you set in S/T mode and BRI option programmed by MMC423 and MMC419. Each PRI card will be restarted according to CRC4 option and PRI option.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 418  
Display shows
2. Press UP or DOWN key to select cabinet number. Press RIGHT soft key to move cursor on slot number and press UP or DOWN to select slot number. (e.g.,C=1, S=3)
3. Press RIGHT soft key to move cursor on NO and dial 1  
Dial 1 and wait for 5 seconds
- 4.
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

RESTART C: 1 S: 2  
CARD RESTART ? NO

RESTART C: 1 S: 3  
CARD RESTART ? NO

RESTART C: 1 S: 3  
ARE YOU SURE ? NO

RESTART C: 1 S: 3  
CARD RESTART ? NO

## DEFAULT DATA: NONE

**RELATED ITEMS:** MMC 417 PRI-CRC4 OPTION  
MMC 419 BRI OPTION  
MMC 420 PRI OPTION  
MMC 423 S/T Mode

## MMC: 419

## BRI OPTION

### DESCRIPTION:

This MMC is consist of two groups of items. One group is for the "TRUNK" ports as set in MMC423, and the other is for the "STATION" ports.

#### NOTE:

For each BRI access, two adjacent ports are assigned, you only have to change the value for any one of the two ports from a BRI access, then the value for the other port will be changed automatically.

**For those ports programmed as "TRUNK" in MMC423**, display shows "BRI-TRK". And the items are MODE, CHANNEL ANY and DIALSND.

- **MODE**

**P-P NOR:** When BRI line is point-to-point configuration, and didn't subscribe into the DDI supplementary service. Incoming calls are placed as set in MMC406 "TRK RING".

**P-P DDI:** When BRI line is point-to-point configuration, and subscribed into the DID supplementary service. Incoming calls are placed as set in MMC714 "DDI Table". All incoming calls through DDI trunk, ISDN or Analog, will be placed according to the setting of DDI table.

**P-M NOR:** When BRI line is point-to-multipoint configuration, and didn't subscribe into the MSN supplementary service. Incoming calls are placed as set in MMC406 "TRK RING".

**P-M MSN:** When BRI line is point-to-multipoint configuration, and subscribed into the MSN supplementary service. DCS system can manage upto 8 MSN numbers for each MSN BRI access. Incoming calls throug P-MP MSN ports are handled as set in MMC421 "MSN DIGIT". This table is effective only for one BRI access.

- **CHANNEL ANY**

This field can be set to YES or NO. This field is referenced when a user tries outgoing call while that port is busy.

If CHANNEL ANY is NO, user will hear busy tone.

If CHANNEL ANY is YES, the system will check if adjacent port(another B channel in the same BRI access) is free. If the adjacent port is free, the user can call through that port. Otherwise, then, user will hear busy tone.

- **DLSND**

This field is provided to set the dial sending mode to "enbloc" or "overlap" on an individual port basis.

#### NOTE:

Any changes to MODE option is effective only after restart of the BRI Card. Use MMC 418 to restart the card.

Compared to old S/W, DLRCV option is removed. This is because that in the new code, if sending complete is not included in incomming SETUP message, DCS will wait for additional digits to come automatically.

**For those ports programmed as "STATION" in MMC423**, display shows "BRI-STN". And the items are CHANNEL ANY and POWER FEED.

- **CHANNEL ANY**

(Same as above description.)

- **POWER FEED**

This field provides a selection whether power to a BRI access will be supplied or not.

**NOTE:**

Any change to POWER FEED option is effective only after restart of the BRI Card. Use MMC 418 to restart the card.

In BRI-STN, DLSEND and BRI MODE are not included, because DCS uses implicit data for this option. DCS will use en-bloc for DLSEND and P-MP for BRI MODE.

**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 TRSF 419 Display shows	[Z01] BRI-TRK CHANNEL ANY : YES
2	Dial BRI trunk number (e.g., 703) or press UP or DOWN key to select the port.	
3.a	For TRUNK ports, display will be shown as right column. Use the RIGHT soft key to position the cursor under CHANNEL ANY	[Z03] BRI-TRK
3.a.1	Press UP or DOWN key to choose item (CHANNEL ANY, BRI MODE or DLSEND). If you choose BRI MODE, press RIGHT soft key to move the cursor under YES/NO. Use UP or DOWN key to select P-P NOR/P-P DDI/P-M NOR/P-M MSN. If you press RIGHT soft key cursor will be moved under 703. If you press LEFT soft key cursor will be moved under BRI MODE.	[703] BRI-TRK BRI MODE:P-P NOR
3.a.2	For another items repeat 3.a.1	[Z03] BRI-TRK BRI MODE : MSN
3.a.3	For another port repeat from 2	
3.b	For STATION ports, display will be shown as right column. Same rule as 3.a will be applied.	[Z05] BRI-STN CHANNEL ANY:YES
3.a.3	Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

**DEFAULT DATA: CHANNEL ANY:YES**

**BRI MODE:P-P NOR**  
**DLSEND: OVERLAP**  
**POWER FEED :NO**

**RELATED ITEMS:** MMC 418 CARD RESTART  
MMC 421 MSN DIGIT  
MMC 423 S/T MODE  
MMC 714 DID NUMBER TABLE

# MMC: 420

# PRI OPTION

## DESCRIPTION:

This program allows the system to have the ability of DDI/NORMAL Access and to decide dial sending mode on an individual port basis to OVERLAP or ENBLOCK. But if you change one port of dial sending mode, all other ports will be set to same dial sending mode. If your PRI line is not registered for DDI service at the Central Office, you can use NORMAL service (e.g., subaddress or normal trunk incoming service) If you set PRI MODE to DDI, you can service DDI (Direct Dial Inward) to specific station or station group according to DID NUMBER TABLE.

## 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 TRSF 420<br>Display shows  | [701] PRI OPTION<br>DLSEND : ENBLOCK |
| 2. Dial PRI trunk number (e.g., 704) or press UP<br>or DOWN key to select the port.<br>Use the RIGHT soft key to position the cursor under<br>DLMODE  | [704] PRI OPTION<br>DLSEND : ENBLOCK |
| 3. Press UP or DOWN key to make selection (DLSEND or<br>PRI MODE). Select DLSEND and<br>press RIGHT soft key to move the cursor under<br>ENBLOCK. Use UP or DOWN key to select<br>ENBLOCK/OVERLAP. Press RIGHT soft key to make the<br>selection. | [704] PRI OPTION<br>DLSEND : ENBLOCK |
| 4. Use UP or DOWN key to get to PRI MODE.<br>Press RIGHT soft key to move the cursor under<br>DDI/NORMAL. Use UP or DOWN key to make the<br>selection   | [704] PRI OPTION<br>PRI MODE : DDI   |
| 5. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC   |                                      |

**DEFAULT DATA: DLSEND : OVERLAP  
PRI MODE : NORMAL**

**RELATED ITEMS: MMC 418 CARD RESTART  
MMC 407 TRUNK RING  
MMC 714 DID NUMBER TABLE**

Note: This MMC is not applicable to DCS Compact System

# MMC: 421

# MSN DIGIT

## DESCRIPTION:

Provides a method of assigning a incoming MSN call to a specific station.  
If any entry in MSN DIGIT TABLE matches to incoming call's called party number, then either the specific station is altered if it is programmed to Accept the call  
OR  
the call is cleared if it is programmed to Reject the call.

If the Incoming called party number does not have matching entry in MSN table, then the operator is altered.

Using this operation, you can give each MSN number to specific station and you can give option ; when destination is busy, incoming call must be cleared or camp-on that station to alarm there is another call.

There are total 8 entries on a trunk basis and each entry consists of the following fields.

- |               |   |
|---------------|---|
| 0. DIGITS     | Digits to be received. Wild card(*) is valid entry and 10 digits maximum.   |
| 1. DAY DEST   | Destination in day mode and it could be a station, a station group.<br>Repeat (B) will be acceptable to the system if received-digit is within numbering plan for a station or station group. |
| 2. NIGHT DEST | Destination in day mode and it could be a station, a station group.<br>Repeat (B) will be of same result at 1. DAY DEST.  |
| 3. CALL WAIT  | Toggles YES or NO, if YES then the call will be camped-on at busy destination while NO gives busy indication.   |
| 4. OPTION     | Accept: the selected destination party will be alerted.<br>Rejected: the call is cleared.   |

## NOTE:

For each BRI access, two adjacent ports are assigned, you only have to change the value for any one of the two ports from a BRI access, then the value for the other port will be changed automatically.

## 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 TRSF 421<br>Display shows  | [701]MSN DGT (1)<br>DGT:             |
| 2. Enter trunk number (e.g.,704)<br>OR<br>Press UP or DOWN key to scroll through ISDN PORT and<br>press RIGHT soft key to move cursor   | [704]MSN DGT (1)<br>DGT:             |
| 3. Enter the location (e.g.,4)<br>OR<br>Press UP or DOWN to select location and press RIGHT<br>soft key to move cursor.<br>Max. location is 8.  | [704]MSN DGT (4)<br>DGT:             |
| 4. Enter in digits to be translated (e.g.,4603881)<br>via dial key pad and press RIGHT soft key to move to the<br>destination selection..<br>Max. digit is 10.  | [704]MSN DGT (4)<br>DGT:4602831      |
| 5. Enter destination via dial key pad for day mode<br>OR<br>Press UP or DOWN key to make selection<br>If valid entry, system advances cursor  | [704]MSN DGT (4)<br>D:204 N:         |
| 6. Enter destination via dial key pad for night mode<br>OR<br>Press UP or DOWN key to make selection<br>If valid entry, system advances cursor  | [704]MSN DGT (4)<br>D:204 N:202      |
| 7. Press RIGHT soft key to move cursor under CW(CallWait)<br>option. Use UP or DOWN key to select ON/OFF.<br>Press RIGHT soft key to move cursor under<br>ACCEPT/REJECT option.<br>Press RIGHT soft key to go back to step 3.<br>Follow same procedure to add more entries in MSN<br>table. | [704]MSN DGT (4)<br>CW:NO OPT:ACCEPT |
| 8. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC   |                                      |

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 419 BRI OPTION  
MMC 420 PRI OPTION  
MMC 714 DID NUMBER TABLE**

# MMC: 422

# ASSIGN TRUNK COS

## DESCRIPTION:

Used to assign a day and night class of service to each trunk. There are 30 different classes of service that are defined in MMC 701 Assign COS Contents. Classes of service are numbered 01-30. According to the assigned COS the outside caller to the system via DISA line without Passcode mode may be restricted to gain access the system features.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 422  
Display shows first trunk
2. Dial trunk number (e.g., 705)  
OR  
Use UP and DOWN to scroll through trunks and press RIGHT soft key to advance to step 3  
OR  
Use UP and DOWN to scroll through trunks and press LEFT soft key to advance to step 4  
OR  
Press ANS/RLS to select all stations
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
4. Enter night 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 step 3
5. Press TRSF to save and exit  
OR  
Press SPK to save and advance to next MMC

### DISPLAY

[701] TRK COS  
DAY:01 NIGHT:01

[705] TRK COS  
DAY:01 NIGHT: 01

[ALL] TRK COS  
DAY:?? NIGHT:??

[205] TRK COS  
DAY:05 NIGHT:01

[205] TRK COS  
DAY:05 NIGHT:05



**DEFAULT DATA: DAY and NIGHT 01**

**RELATED ITEMS: MMC 507 ASSIGN AUTO NIGHT TIME  
MMC 701 ASSIGN COS CONTENTS**

# MMC: 423

# S/T MODE

## DESCRIPTION:

This program allows the system to choose the function of each BRI access. You can set a BRI access as "TRUNK" to which a ISDN C.O. line is connected, or as "STATION" to which a ISDN terminal is connected.

### NOTE:

Any change made in this MMC will take effect only after restart of the BRI Card. Use MMC 418 to restart the card.

For each BRI access, two adjacent ports are assigned, you only have to change the value for any one of the two ports from a BRI access, then the value for the other port will be changed automatically.

### 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 TRSF 419  
Display shows
2. Dial BRI trunk number (e.g.,703) or press UP or DOWN key to select the port.  
Use the RIGHT soft key to position the cursor under TRUNK(or STATION)
3. Press UP or DOWN key to make selection (TRUNK or STATION)  
Use the RIGHT soft key to position the cursor under the port number again.
4. For the other ports, repeat from 2. To 3.
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[Z01] S/T MODE  
TRUNK

[703] S/T MODE  
TRUNK

[Z03] S/T MODE  
STATION

**DEFAULT DATA: TRUNK**

**RELATED ITEMS: MMC 419 BRI OPTION  
MMC 424 S0 MAPPING  
MMC 418 CARD RESTART**

# MMC: 424

# S0 MAPPING

## DESCRIPTION:

This program generates a table by which an ISDN terminal number is mapped into a BRI STATION port.

For detailed description and other MMC-related procedure, please refer to "BRI RELATED MMC PROCEDURE" of this book.

### NOTE:

For each BRI access, two adjacent ports are assigned, so, you only have to map a number into one of the two ports from a BRI access.

In this program you can map only one port to each number. That means you can't use a number in more than 1 BRI access. In the meanwhile, more than one numbers can be mapped into a port and used in a BRI access.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 424  
Display shows
2. Dial a ISDN terminal number (e.g.,7803) and use the RIGHT soft key to position the cursor to bottom row.  
  
or press UP or DOWN key to select the number.
3. Press UP or DOWN key to select a STATION port. As you press these keys, only STATION ports will be shown. Use the RIGHT soft key to position the cursor under the ISDN terminal number again.
4. For the other ISDN terminal number, repeat from 2. To 3.
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

```
[7801]S0 MAPPING  
→ NONE
```

```
[7803] S0 MAPPING
```

```
[7803]S0 MAPPING  
707
```

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 419 BRI OPTION  
MMC 423 S/T MODE**

# 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.

- |                             |   |
|-----------------------------|---|
| 1. ALARM REMINDER           | This is the number of times that an alarm reminder will ring a station before canceling. RANGE = 1-99.  |
| 2. AUTO REDIAL              | This is the number of times the system will redial an outside number after the auto redial feature has been activated. RANGE = 1-15.                      |
| 3. DISA INTERCOM CALL       | This counter sets the maximum number of intercom calls that can be made after accessing a DISA line. RANGE = 1-99.  |
| 4. DISA LOCK OUT            | This is the number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE = 1-99.                    |
| 5. NEW CALL                 | This is the number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1-99.                                 |
| 6. UCD VISUAL ALARM COUNTER | This is the counter to determine giving visual alarm if the number of calls are waiting to be answered in the UCD group is reached to it. RANGE = 0 - 25. |
| 7. UCD AUDIO ALARM COUNTER  | This is the counter to determine giving audio alarm if the number of calls are waiting to be answered in the UCD group is reached to it. RANGE = 0 - 25.  |

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 500  
Display shows
2. Enter number from above list (e.g., 6)  
OR  
Press UP or DOWN key to make selection  
and press RIGHT soft key to move cursor
3. Enter in new value via dial key pad  
If entry is valid, system will return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

ALARM REM.CNTER  
05→

UCDS VISUAL ALARM  
00→

UCDS VISUAL ALARM  
00→02

**DEFAULT DATA:**

ALARM REMINDER COUNTER	5
AUTO REDIAL COUNTER	5
DISA INTERCOM COUNTER	5
DISA LOCK COUNTER	5
NEW CALL COUNTER	99
UCD VISUAL ALARM WAITING CALLS COUNTER	0
UCD AUDIO ALARM WAITING CALLS COUNTER	0

**RELATED ITEMS:** MMC 501 SYSTEM-WIDE TIMERS

# MMC: 501

# SYSTEM TIMERS

## DESCRIPTION:

Allows the technician to adjust individual timers as necessary. Any timer can be disabled by setting the time to all zeros (000).

### 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

### ACTION

1. Press TRSF 501  
Display shows first timer value
2. Press UP or DOWN key to select timer **and** press RIGHT soft key to move cursor
3. Enter new value using keypad; if valid, system returns to step 2 with new value
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

AA INT DGT TIME  
05 SEC →

KMMC LOCK OUT TM  
30 SEC → \_

KMMC LOCK OUT TM  
30 SEC → 255

**DEFAULT DATA: SEE TABLE OF TIMERS AND VALUES**

**RELATED ITEMS: NONE**

## TIMER TABLE

TIMER NAME	DEFAULT	RANGE
AA INT DGT TIME (2)	05 SEC	1-25 SEC
AA NO ACT TIME (2)	10 SEC	1-25 SEC
ALERT TONE TIMER	1000 MS	100-2500 MS
ALM REM.INTERVAL	10 SEC	1-255 SEC
ALM REM.RING OFF	26 SEC	1-255 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
CLIP DISPLAY TIME	05 SEC	1-25 SEC
CLIP MSG RECEIVE	08 SEC	1-25 SEC
CO-CO DISCONNECT	20 MIN	0-255 MIN
CONFIRM TONE TM (2)	1000 MS	100-2500 MS
DIAL PASS TIME	05 SEC	1-25 SEC
DISA DISCONNECT	30 MIN	1-255 MIN
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 (2)	800 MS	0010-2500MS
HOK FLASH MIN TM (2)	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
KMMC LOCK OUT TM	300 SEC	100-2550 SEC
LCR ADVANCE TIME	05 SEC	1-255 SEC
LCR INTER DIGIT	05 SEC	1-255 SEC
MCL DELAY TIME	04 SEC	1-8 SEC
OFF HOK RING INT	15 SEC	1-255 SEC
OFF HOOK SELECT	05 SEC	1-255 SEC
OHVA ANSWER TIME	10 SEC	1-255 SEC
OVERLAP INT DGT	07 SEC	1 - 15 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
POWER DOWN TIME	2000 MS	1000-9000 MS
RECALL DISCONNECT	45 MIN	1-255 SEC
RECALL WAIT TIME	15 SEC	1-255 SEC
SMDR START/DP	30 SEC	1-255 SEC

TIMER NAME	DEFAULT	RANGE
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	0–990 SEC
UCDS VISUAL ALAM	0 SEC	0–990 SEC
VOICE DIAL DELAY	8 SEC	05–15 SEC

## TIMER DESCRIPTIONS

**AA INT DGT TIME:** This timer controls the grace period between dialing valid digits before transferring call to INVLD DEST as set in MMC 733 on a per-plan basis.

**AA NO ACT TIME:** If no digits are received by the AA module, this timer will expire and transfer the call to the destination set in MMC 733 NO ACT DEST:.

**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.

**ALM REM RING OFF:** This timer controls the length of the ring cycle duration when alarm reminder is set at a station.

**ATT RECALL TIME:** This is the length of time a transfer recall will ring at a 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.

**CLIP DISPLAY TIME:** The amount of time that the Calling Line ID information remains on the keyset's display.

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

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

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

**DIAL PASS TIME:** This timer is the wait time for preventing the misdialing of an outgoing call. After the last digit has been dialed, the voice path is connected.



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

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

**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.

**EXT. FWD DELAY TM:** This timer controls the External Call Forward feature which will allow a station to ring before the call is placed on external call forwarding.

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

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

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

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

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

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

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

**KMMC DIGIT TIME:** 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 dropping the call and returning the user back to error tone.

**MCL DELAY TIME:** This timer controls the time when the system should start transmitting Authorisation code after sending MCL Access code.

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

**OFF HOOK SELECT:** This timer controls the grace period before placing a internal/external call as programmed in MMCs 306 and 307.

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

**OVERLAP INT DGT:** This timer controls the grace period between receiving address informations in overlap receiving mode via BRI/PRI line. After expiration of this timer then the system attendant will be alerted .

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

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

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

**PC-MMC LOCK OUT:** This timer monitors the PCMMC activity, drops the link if no action is created by PCMMC and returns the system back to secure program status.

**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) continues to recall at your station before it recalls to the operator.

**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.

**UCDS AUDIO ALARM:** This timer determines the time to give audio alarm to the UCD supervisor if the longest waiting calls are reached to this time.

**UCDS VISUAL ALAM:** This timer determines the time to give vialual alarm to the UCD supervisor if the longest waiting calls are reached to this time.

**VOICE DIAL DELAY:** This timer monitors the duration of the interaction between main software and voice dialer.

# MMC: 502 FORWARD NO ANSWER TIMER

## DESCRIPTION:

Allows the Forward No Answer timer to be changed on a per-station basis or for the entire system.

### 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
ANS/RLS	Used to select ALL

### ACTION

1. Press TRSF 502  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press UP or DOWN key to select station and press RIGHT soft key  
OR  
Press ANS/RLS to select all stations and press RIGHT soft key
3. Enter new value (must be three digits) via dial key pad (e.g., 020)  
System will return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[201] NO ANS FWD  
010 SEC →\_

[205] NO ANS FWD  
010 SEC →\_

[ALL] NO ANS FWD  
\*\*\*SEC →\_

[205] NO ANS FWD  
010 SEC →020

**DEFAULT DATA: TIMER IS SET FOR 15 SECONDS**

**RELATED ITEMS: MMC 102 CALL FORWARD**

# 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.

## 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
ANS/RLS	Used to select ALL

## ACTION

## DISPLAY

- |  |  |
|--|--|
| 1. Press TRSF 503<br>Display shows   | [Z01] ANS.BAK TM<br>0600 MS →                                      |
| 2. Dial trunk number (e.g., 704)<br>OR<br>Press UP or DOWN key to select trunk and<br>press RIGHT soft key to move cursor<br>OR<br>Press ANS/RLS to select all trunks and press<br>RIGHT soft key to move cursor | [704] ANS.BAK TM<br>0600 MS →<br><br>[ALL] ANS.BAK TM<br>*****MS → |
| 3. Dial timer number from above list<br>OR<br>Press UP or DOWN key to select timer and<br>press RIGHT soft key to move cursor  | [704] DTMP DUR.<br>0600 MS →_                                      |
| 4. Enter new timer value (must be four digits,<br>e.g., 0700)<br>System returns back to step 2   | [704] DTMP DUR.<br>0600 MS →0700                                   |

5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA: See Below**

**RELATED ITEMS : NONE**

TIMER NUMBER	TIMER NAME	VALUE	RANGE
0	ANS.BAK TM	600 MSEC	100~2500 MSEC
1	CLEARING	002 SEC	001~25 SEC
2	CO SUPV TM	400 MSEC	100~2500 MSEC
3	DTMF DUR.	100 MSEC	100~2500 MSEC
4	F-DGT DELY	600 MSEC	100~2500 MSEC
5	FLASH TIME	700 MSEC	100~2500 MSEC
6	NO RING TM	004 SEC	001~255 SEC
7	PAUSE TIME	003 SEC	001~255 SEC
8	RNG DET.TM	400 MSEC	100~2500 MSEC
9	WINK	200 MSEC	100~300 MSEC

# 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  
SPK      Used to store data and advance to next MMC

### ACTION

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

### DISPLAY

MAKE/BREAK RATIO  
33 MAKE→

PULSE PER SECOND  
10 PPS →\_

PULSE PER SECOND  
10 PPS →20

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

**RELATED ITEMS: MMC 402 TRUNK DIAL TYPE**

# MMC: 505

# ASSIGN DATE AND TIME

## DESCRIPTION:

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

### FEATURE KEYS

W	Day	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 (1990-2089)
HH	Hour	00-23
MM	Minute	00-59

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 505  
Display shows
2. Enter new time and date using above table  
System returns to step 2
3. Verify time and date  
Reenter if necessary
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

OLD:6010184:0047  
NEW:WMMDDYY:HHMM

OLD:6010184:0047  
NEW:3020994:1445

OLD:3020994:1445  
NEW:WMMDDYY:HHMM

**DEFAULT DATA: SAT 01 JAN 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. The tone control of the cadence may be changed from interrupt tone to continuous tone. Some DCS systems may require default settings to comply with local operating companies.

### FEATURE KEYS

#### OPTIONS KEY

- |   |                 |
|---|-----------------|
| 0 | CONTINUOUS TONE |
| 1 | INTERRUPT TONE  |

### 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 |

### TONES

- |             |              |             |             |
|-------------|--------------|-------------|-------------|
| BUSY TONE   | ERROR TONE   | RGBACK TONE | DND/NO MORE |
| CONFM/BARGE | DID RINGBACK | RING TONE   | MSGWAT TONE |
| DIAL TONE   | HOLD/CAMPON  | TRSFER TONE |             |

### ACTION

1. Press TRSF 506  
Display shows
2. Press UP or DOWN key to select tone  
Press LEFT soft key and advance to step 3
3. Press UP or DOWN key to select tone control  
Press RIGHT soft key to advance to step 4  
OR  
Press LEFT soft key to return to step 2
4. Dial in new value for interrupt times (must be four digits)  
Press RIGHT soft key advances cursor  
Press LEFT soft key retreats cursor back  
If valid entry, system returns to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

BUSY TONE  
CONTINUOUS TONE

TRSFER TONE  
INTERRUPT TONE

TRSFER TONE  
INTERRUPT TONE

TRSFER TONE:0100  
0100 0100 0100



**DEFAULT DATA: SEE LIST BELOW**

<b>TONE</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>OFF</b>
BUSY TONE	350	350	350	350
CONFIRM/BARGE-IN TONE	50	50	50	50
DIAL TONE	CONTINUOUS			
DND/NO MORE TONE	250	250	250	250
ERROR TONE	250	250	250	250
HOLD/CAMP-ON TONE	500	3500	500	3500
MESSAGE WAIT TONE	1000	250	1000	250
RING BACK TONE	400	200	400	200
RING TONE	1000	3000	1000	3000
TRANSFER TONE	100	100	100	100
DID RING BACK	2000	4000	2000	4000

NOTE: All times are in milliseconds.

**RELATED ITEMS: NONE**

# MMC: 507

## ASSIGN AUTO NIGHT TIME

### DESCRIPTION:

Enters the system into night mode automatically by utilizing time and day tables. A NIGHT key is not needed as the system will switch automatically, it is helpful to have a dedicated button so the status can be manually changed. The start time is the time the system will switch from day to night service and the end time is the time the system will end night service which was set the day before. (e.g., start 1730 WED, end 0800 WED) This prevents entering of start and stop times.

### 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

### ACTION

1. Press TRSF 507  
Display shows
2. Dial day number (0-6 e.g., 3)  
OR  
Press UP or DOWN key to select day and press RIGHT soft key to advance cursor to step 3
3. Dial in start time for night (1730)  
If time entered is valid, cursor moves to end time  
Enter end time  
If time entered is valid, system returns to step 2  
Begin again
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

NIGHT TIME (SUN)  
ST:0000 END:0000

NIGHT TIME (WED)  
ST:0000 END:0000

NIGHT TIME (WED)  
ST:1730 END:0800

**DEFAULT DATA: START 0000  
END 0000**

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

# MMC: 508 COST

## CALL

### DESCRIPTION:

Allows change the system administrator to program attributes of Call Cost to be generated by the system either on LCD during on a call or SMDR record. Attributes are listed below.

- |                     |  |
|---------------------|--|
| 0. UNIT COST PER MP | When the system is installed to receive MP on a CO outgoing call. It is used for generating total call cost by multiplying with the number of pulses. The MMC will allow to enter 5000 as a maximum value. |
| 1. CALL COST RATE   | This will generate additional call cost calculated by multiplying this rate to the original call cost. It ranges fro 100 through 255.  |

### **WARNING !!!**

***Beware** of changing this value when there is a being progressed CO line under MP detection may result in inaccurate call cost.*

### 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 |

### ACTION

1. Press TRSF 508  
Display shows the first item
2. Dial 0 or 1  
OR  
Press UP or DOWN key for selection and press RIGHT soft key to move cursor
3. Enter new value (e.g., 111 for 111 percent)  
  
System returns to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

UNIT COST PER MP  
0200PENCE→

UNIT COST PER MP  
0200PENCE→

CALL COST RATE  
100%→111

CALL COST RATE  
111%→

**DEFAULT DATA:** UNIT COST PER MP  
CALL COST RATE

**200 PENCE (UK)  
100 PRECENT**

**MMC: 503**

**RELATED ITEMS: MMC 110 CALL COST DISP  
MMC 414 MPD/PRS**

# MMC: 509

# CO TONE CADENCE

## DESCRIPTION:

Provides the ability to customize the tone cadence provided from the analog Trunk on a system-wide basis. There are three(3) types of tones available through this MMC. The control of the tone cadence may be changed from interrupt tone to continuous tone. Some DCS systems may require default settings to comply with local operating companies. These tones are mainly used for performing of Automatic Redial Feature depending on call progress tones on request from internal users on a Trunk call.

Once busy tone is detected from the Central Office then the call will automatically be released and will be queued for next trial after expiration of Autoretrial Interval Timer (MMC 501).

NOTE: Consult your local Central Officer about cadences of tones to meet specifications if you encounter any trouble during installation.

## FEATURE KEYS

### OPTIONS KEY

0	CONTINUOUS TONE
1	INTERRUPT TONE

## 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

## TONES

BUSY TONE RGBACK TONE DIAL TONE

## ACTION

1. Press TRSF 509  
Display shows
2. Press UP or DOWN key to select tone  
Press LEFT soft key and advance to step 3
3. Press UP or DOWN key to select tone control  
Press RIGHT soft key to advance to step 4  
OR  
Press LEFT soft key to return to step 2
4. Dial in new value for interrupt times (must be four digits)  
Press RIGHT soft key advances cursor  
Press LEFT soft key retreats cursor back  
If valid entry, system returns to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

CO BUSY TONE  
INTERRUPT TONE

CO RGBACK TONE  
CONTINUOUS TONE

CO RGBACK TONE  
INTERRUPT TONE

CO RGBACK T:0200  
0400 0200 0400

**DEFAULT DATA: SEE LIST BELOW**

<b>TONE</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>OFF</b>
BUSY TONE	350	350	350	350
DIAL TONE	1000	250	1000	250
RING BACK TONE	400	200	400	200

NOTE: All times are in milliseconds.

**RELATED ITEMS: NONE**

# MMC: 510 MESSAGE WAIT LED CADENCE

## DESCRIPTION:

Provides the ability to customize the Message Wait LED cadence. There are two cadences available. The two cadence are CONTINUOUS & INTERRUPT. The LED cadence control may be changed from interrupt to continuous. The default setting of interrupt cadence is from 2000 to 2000.

The two options are as follows ;

- CONTINUOUS : When the Message is accepted to the SLT that has *Message Wait LED*, the *Message wait LED* will be turned on continuously.
- INTERRUPT : On the above state, the LED will be flickered. The flickering interval can be set/changed by MMC.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 510
2. Press UP or DOWN key to select cadence or  
Press digit 0 or 1 via Dial Key Pad
3. If you select the INTERRUPT LED mode, You can enter  
the new value using keypad (default value is 2000)
4. Press TRSF button to store and exit  
OR  
Press SPK button to store and advance to next MMC

## DISPLAY

MW LED CADENCE  
CONTINUOUS LED

MW LED CADENCE  
I<sup>N</sup>TERRUPT LED

MW LED CADENCE  
2000 2000

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 600

## ASSIGN OPERATOR GROUP

### DESCRIPTION:

Used to assign members to the operator group. There are several options that can be selected for ringing, overflow, group transfer and overflow destination. There are a maximum of 32 members allowed in one group. The operator group is automatically assigned group number 500.

Note: In DCS/Compact System: maximum 30 of members are allowed in one group.

### FEATURE KEYS

0	RING	Ring mode
1	OVERFLOW	Overflow time
2	GRP TRSF	Group transfer time
3	NEXT PORT	Overflow port
4	MEMBER	Group member (e.g., station 202)

### 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	DISTRIBUTE	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	UNCONDITION	All the stations listed in the group will ring. Busy stations will receive off-hook ring (MAX 32 STATIONS RINGING).

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 600  
Display shows
2. Dial feature option (0-4, e.g., 3)  
OR  
Press RIGHT soft key to select option and move cursor to next step
3. Press RIGHT soft key to move cursor

### DISPLAY

[500] OPER.GROUP  
RING:UNCONDITION

[500] OPER.GROUP  
NEXT PORT:NONE

[500] OPER.GROUP  
NEXT PORT:NONE



4. Dial in value for port (e.g., 205)  
If valid entry, system returns to step 2

[500] OPER.GROUP  
NEXT PORT:205

5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA:**

<b>RING MODE</b>	<b>NONE</b>
<b>OVERFLOW TIME</b>	<b>000 SEC</b>
<b>GRP TRSF TIME</b>	<b>000 SEC</b>
<b>NEXT PORT</b>	<b>NONE</b>
<b>GROUP MEMBER</b>	<b>MEMBER 01:201</b>
<b>OTHER MEMBER</b>	<b>NONE</b>

**RELATED ITEMS:** MMC 211 DOOR RING ASSIGNMENT  
MMC 212 ALARM RINGING STATION  
MMC 406 TRUNK RINGING ASSIGNMENT  
MMC 601 ASSIGN STATION GROUP  
MMC 602 STATION GROUP NAME

# MMC: 601

# ASSIGN STATION GROUP

## DESCRIPTION:

This program is much like MMC 600 Assign Operator Group but this one is for stations only. The station groups that are available in this MMC will provide more flexibility in the usage of Uniform Call Distribution (UCD), AA GROUP and VM/AA applications. A station, Common bell, and Ring Page can be in more than one group, but must all be the same ring type. There is a maximum of 48 members per group.

### NOTE:

1. A device for announcement if used must provide a hookflash and return the call back to the group. If a station is in more than one group and attempts to use the LOG key, it will be removed from all groups.
2. In DCS/Compact System: maximum 30 of members are allowed in one group.

## GROUP TYPES

0	NORMAL GROUP	
1	VMAA GROUP	Can only have distribute or sequential ringing.
2	UCD GROUP	Has wrapup capability.
3	AA GROUP	Can only distribute or sequential ringing.

Other possible entries:

3801-3820	COM. BELL	This device is a common bell relay on a Trunk A card.
3601-3640	RING PAGE	This device is ring over an external page zone output of a Trunk A card.

## FEATURE KEY

0	TYPE	Group type (Normal, VM/AA, UCD)
1	RING	Ring mode
2	OVERFLOW	Overflow time
3	GRP TRSF	Group transfer time
4	WRAP-UP	Wrap-up time (timer only valid in type = UCD)
5	NEXT PORT	Overflow port
6	MEMBER	Group member (e.g., station 202)

## 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	DISTRIBUTE	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	UNCONDITION	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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## ACTION

## DISPLAY

- |   |                                    |
|---|------------------------------------|
| 1. Press TRSF 601<br>Display shows  | [501] STN.GROUP<br>TYPE:NORMAL GRP |
| 2. Dial group number (e.g., 505)<br>OR<br>Press UP or DOWN key to select group and press LEFT soft key to move cursor to type of group, and DIAL group type (0-2, e.g., 1)<br>OR<br>Press UP or DOWN key to make selection and press LEFT soft key to move cursor to TYPE | [505] STN.GROUP<br>TYPE:NORMAL GRP |
| 3. Dial feature option number (0-6, e.g., 0)<br>OR<br>Press UP or DOWN key to make selection and press RIGHT soft key to move cursor to ring value  | [505] STN GROUP<br>RING:SEQUENTIAL |
| 4. Dial ring option (0-2, e.g., 1)<br>OR<br>Press UP or DOWN key to make selection and press LEFT soft key to move cursor back to RING or press right soft key to return to step 2  | [505] STN GROUP<br>RING:DISTRIBUTE |
| 5. Dial next feature option and continue<br>OR<br>Press UP or DOWN key to select option<br>OR<br>Press LEFT soft key to return to step 2  | [505] STN GROUP<br>RING:DISTRIBUTE |
| 6. Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC   |                                    |

## DEFAULT DATA: NORMAL GROUP

**RELATED ITEMS: MMC 203 ASSIGN UA DEVICE  
MMC 204 COMMON BELL CONTROL**

## MMC: 602

## STATION GROUP NAME

## DESCRIPTION:

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

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 "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 will change 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.

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

## 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 case

## ACTION

1. Press TRSF 602  
Display shows
2. Dial group number ( e.g., 505)  
OR  
Press UP or DOWN key to make selection and press  
LEFT or RIGHT soft key to move cursor

## DISPLAY

[501] SGR NAME

[505] SGR NAME

3. Enter in name using above method and table

[505] SGR NAME  
SAMSUNG

4. Press LEFT or RIGHT soft key to return to step 2  
OR  
Press TRSF to store and exit  
OR  
Press SPK 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  
"A" BUTTON IS BUTTON #19 ON KEYSET**

## 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.

**WARNING:** As stated above, 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry
ANS/RLS	Used to select ALL

## ACTION

1. Press TRSF 603  
Display shows
2. Enter in valid trunk group (e.g., 9, 80–89)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
3. Press RIGHT soft key to change mode  
OR  
Press UP or DOWN key to change mode to member
4. Press RIGHT soft key to move cursor to number of member and enter valid member number (1–80, e.g., 05) via dial key pad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
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
6. Repeat steps 1–6 to remove trunk from group 9 if necessary
7. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[9] TRK GROUP  
MODE:SEQUENTIAL

[81] TRK GROUP  
MODE:SEQUENTIAL

[81] TRK GROUP  
MEMBER 01:NONE

[81] TRK GROUP  
MEMBER 05:NONE

[81] TRK GROUP  
MEMBER 01:729

**DEFAULT DATA: ALL TRUNKS ARE IN TRUNK GROUP 9**

**RELATED ITEMS: LCR PROGRAMMING  
TENANT PROGRAMMING**

# MMC: 604

## ASSIGN STATION TO PAGE ZONE

### DESCRIPTION:

Allows the technician to assign a keyset to any of the four internal paging zones and all page (page plus \*). The total number of keysets that can receive a page is limited to 80. A keyset may be assigned to more than one zone.

The assignment is controlled by the use of class marks. If a keyset is flagged as "1" in a zone column, it will receive pages for that zone. If the keyset is flagged as "0," it will not receive pages for that zone. Keysets can receive pages for more than one zone.

### 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 entry

### ACTION

1. Press TRSF 604  
Display shows
2. Enter index number (01–80, e.g., 05)  
via dial key pad  
OR  
Press UP or DOWN key to make selection And press  
RIGHT soft key to move cursor
3. Enter station number (e.g., 205) via dial key pad  
OR  
Press UP or Down key to make selection and press  
RIGHT soft key to move cursor
4. Move cursor under page zone desired by  
pressing UP or DOWN key and enter the digit 1 under  
zone and press RIGHT soft key to return to step 2 to  
continue with entries
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

```
ENTRY:STN :1234*  
  01:NONE:00001
```

```
ENTRY:STN :1234*  
  05:NONE:00001
```

```
ENTRY:STN :1234*  
  05:205  :00001
```

```
ENTRY:STN :1234*  
  05:205  :01001
```

**DEFAULT DATA: NO STATIONS ASSIGNED  
ALL ZONE IS SET**

**RELATED ITEMS: MMC 723 SYSTEM KEY PROGRAMMING**



## 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 Trunk A card to allow external paging. Each Trunk A card is equipped with two external page relays. The page relays have default DNs of 360X.

### 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 TRSF 605  
Display shows first page zone
2. Dial page zone number (e.g., 6)  
OR  
Use UP or DOWN to select desired page zone numbers  
and use press RIGHT soft key to move the cursor
3. Dial member number (e.g., 05)  
OR  
Use UP or DOWN to select member numbers and use  
the RIGHT soft key to move the cursor  
OR  
Press the LEFT soft key to return to step 2 above
4. Dial relay number via dial key pad (e.g., 3602)  
and press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3 above
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

EXT. PAGE ZONE:(5)  
MEMBER 001:3601

EXT. PAGE ZONE:(6)  
MEMBER 001:NONE

EXT. PAGE ZONE:(6)  
MEMBER 05:

EXT. PAGE ZONE:(6)  
MEMBER 005:3602

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 723 SYSTEM KEY PROGRAMMING**

# MMC: 606

# ASSIGN SPEED BLOCK

## DESCRIPTION:

Provide 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, SIMs, DPIMs or for stations that do not require the ability to use speed dial.

The Free List will show how many bins are left to be assigned. One block has a ten (10) entries. DCS has a 1500 entries maximum in a system, 500 for System Speed and 50 on a per station maximum. But DCS/Compact has a 500 entries maximum in a system, 500 for System Speed and 50 on a per station maximum. Accordingly, for instance, if the System Speed block has been assigned as 500 entries then 1000 entries on DCS and 0 on DCS/Compact can be shared by all extensions.

## PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used 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 TRSF 606 Display shows	FREE LIST:60 SYSTEM:20
2. Press RIGHT soft key to advance cursor to next line	FREE LIST:60 <u>S</u> YSTEM:20
3. Make a selection of SYSTEM or EXT using UP or DOWN key and press RIGHT soft key to advance cursor	FREE LIST:60 EXT <u>2</u> 01:1
4. Enter desired EXT numbervia dial key pad (e.g., 205) OR Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor	FREE LIST:60 EXT <u>2</u> 05:1
5. Enter in 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: <u>5</u>
6. Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

**DEFAULT DATA: SYSTEM: 200 ENTRIES(20 blocks)**  
**STATIONS: ONE BIN OF TEN ENTRIES(1 block)**

**RELATED ITEMS: MMC 705 ASSIGN SYSTEM SPEED DIAL**  
**MMC 706 SYSTEM SPEED DIAL BY NAME**  
**MMC 105 STATION SPEED DIAL**

# MMC: 607

# UCD OPTIONS

## DESCRIPTION:

Allows the UCD group assigned in MMC 601 to have more specific values for several attributes. If UCD GROUP has not been programmed in a system, you may be presented warning and not be allowed to enter this MMC.

### OPTION

- DIAL 0 : 1st MSG NO on AA Board when all agents are unable to answer the calls.
- DIAL 1 : 2nd MSG NO on AA Board when all agents are unable to answer the calls.
- \*DIAL 2 : EXIT CODE - this code will have the call queued route to the Final Destination to be assigned in this MMC thus no longer needed to wait further cycles.**
- DIAL 3 : RETRY COUNT - 2nd MSG will be cycled with MOH till this counter is reached before answer.
- DIAL 4 : FINAL DESTINATION - if the call is not yet answered until RETRY COUNT then will be routed over this destination.
- DIAL 5 : AUTO LOG OUT TIME - specifies how long the ringing at an agent will be last. After this time, ring will be stopped and the agent will be logged-out from the group then finds the next idle agent.
- DIAL 6 : UCD RECALL TIME - determines the time how long the MOH is provided between MSGs.
- DIAL 7 : MOH SOURCE - specifies MOH source to be presented to the caller.
- DIAL 8 : AUTO LOG OUT OPTION - to make a circular UCD hunting without logging out of the group automatically after ringing.

- \* Description is modified.
- \*\* New option as from SW Version V4.0

### RANGE

1st MSG NO : 01 - 64  
2nd MSG NO : 01 - 64  
RETRY COUNT : 01 - 99  
FINAL DESTINATION : STATION, STATION GRP, AA PLAN NO ( 01 - 12 )  
AUTO LOG OUT TIME : 001 - 250 sec  
UCD RECALL TIME : 00 - 99 sec  
MOH SOURCE : TONE, NONE, 37xx.  
AUTO LOGOUT OPT : YES/NO

If you press A Button in DESTINATION Field, you are able to enter AA PLAN NUMBER.

## ACTION

## DISPLAY

1. Press TRSF 607  
Display shows
2. Dial UCD OPTION number  
OR Press UP or DOWN  
press RIGHT soft key
3. Dial UCD OPTION number  
OR Press UP or DOWN  
press RIGHT soft key
4. Dial MSG number  
OR Press UP or DOWN  
press RIGHT soft key
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[501]UCD GROUP  
1st MSG NO : NONE

[501]UCD GROUP  
1st MSG NO : NONE

[501]UCD GROUP  
1st MSG NO : NONE

[501]UCD GROUP  
1st MSG NO : 01

**DEFAULT DATA:**

1st MSG NO	: 61
2nd MSG NO	: 62
EXIT CODE	: NONE
RETRY COUNT	: 03
FINAL DESTINATION	: 500
AUTO LOG OUT TIME	: 030 sec
UCD RECALL TIME	: 010 sec
MOH SOURCE	: NONE
AUTO LOGOUT OPT	: YES

**RELATED ITEMS:** MMC 601 STATION GROUP  
MMC 733 AA PLAN TABLE

# MMC: 608

# ASSIGN REVIEW BLOCK

## DESCRIPTION:

Provides a means of adding or deleting CLIP 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. The system automatically assigns ten bins to each keyset. 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## ACTION

1. Press TRSF 608  
Display shows
2. Dial EXT number (e.g., 205)  
OR  
Use UP and DOWN to select station and press right soft key to move cursor
3. Enter number of entries (e.g., 50)  
OR  
Press UP or DOWN to selection  
OR  
Press HOLD key to delete bin(s)
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

[201] REVW BLOCK  
10 : 840 FREE

[205] REVW BLOCK  
10 : 840 FREE

[205] REVIEW BLK  
50 : 790 FREE

## DEFAULT DATA: ONE BIN OF TEN(10) ENTRIES

## RELATED ITEMS: MMC 119 SET CLIP DISPLAY MMC 312 ALLOW CLIP

# MMC: 700

# COPY COS CONTENTS

## DESCRIPTION:

Provides the flexibility so that the technician can create a copy of a selected class of service or create another class of service options easily without the interruption of an existing class of service.

### 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
"F" KEY	Used to advance to MMC 701

### ACTION

### DISPLAY

1. Press TRSF 700  
Display shows
2. Dial selected COS to copy ( e.g., 05)  
OR  
Press UP or DOWN key to select COS and press RIGHT soft key to move cursor and advance to next step
3. Dial target COS (e.g., 06)  
OR  
Press UP or DOWN key to select COS and press RIGHT soft key to move cursor back to step 2
4. Press F key to advance to MMC 701 and press RIGHT soft to advance cursor
8. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

COPY COS ITEMS  
COS 01→COS 01

COPY COS ITEMS  
COS 05→COS 01

COPY COS ITEMS  
COS 05→COS 06

COS CONTENTS(06)  
TOLL LEVEL:A

### DEFAULT DATA: NONE

### RELATED ITEMS: MMC 701 ASSIGN COS CONTENTS

# MMC: 701

# ASSIGN COS CONTENTS

## DESCRIPTION:

Similar to MMC 700 but does not allow a copy command. This MMC is primarily used for the creation of a new class of service. If the feature of unsupervised conference is allowed, a programmed CONF key must be available to allow reentry into conference call.

## 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

## TOLL LEVEL OPTIONS

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

## ACTION

1. Press TRSF 701  
Display shows
2. Dial in COS (e.g., 06)  
OR  
Press UP or DOWN key to select COS and press RIGHT soft key to move cursor to toll level
3. Dial toll level (e.g., 2—see above list)  
OR  
Press UP or DOWN key to select new level of TOLL  
OR  
Press RIGHT soft key to advance to COS options
4. Dial in COS option (e.g., 09—see option list)  
OR  
Press UP or DOWN key to select option and press RIGHT soft key to move cursor

## DISPLAY

COS CONTENTS(01)  
TOLL LEVEL:A

COS CONTENTS(06)  
TOLL LEVEL:A

COS CONTENTS(06)  
TOLL LEVEL:C

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 F key to enter MMC 700 if copy  
of COS to another COS is required  
Refer to MMC 700 for copying

COPY COS ITMES  
COS 01###COS 10

7. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### COS FEATURE LIST BY OPTION NUMBER

01	AA CALER	Auto answer control by caller
02	ALM CLR	Alarm sensor ring answer
03	AUTO RDL	Retry on busy
04	CALLBACK	Callback
05	CLIP ABD	CLIP abandoned
06	CLIP INQ	CLIP inquiry for review
07	CLIP INV	CLIP Invalid
08	CONFER	Conference
09	DALM CLR	DISA alarm ring clear
10	DAY/NIGH	Change day/night mode
11	DIRECT	Directory dial
12	DND	Do Not Disturb
13	DOOR	Door ring answer
14	DSS	Direct station select
15	DTS	Direct trunk select
16	EXT FWD	External call forward
17	FEATURE	Feature key
18	FLASH	Trunk flash
19	FORWARD	Call forward
20	GRP I/O	Group in/out
21	HOLD	Hold
22	HOT LINE	Hot line
23	INTERCOM	Intercom call
24	MESSAGE	Message
25	MM PAGE	Meet me page
26	NEW CALL	New call
27	OHVAED	Ohvaed
28	OHVAING	Ohvaing
29	ONEA2	1A2 emulation
30	OPERATOR	Operator
31	OUT TRSF	Outgoing transfer
32	OVERIDE	Override
33	PAGE 0	Page zone 0 PAGING
34	PAGE 1	Page zone 1 PAGING
35	PAGE 2	Page zone 2 PAGING
36	PAGE 3	Page zone 3 PAGING
37	PAGE 4	Page zone 4 PAGING
38	PAGE 5	Page zone 5 PAGING
39	PAGE 6	Page zone 6 PAGING
40	PAGE 7	Page zone 7 PAGING
41	PAGE 8	Page zone 8 PAGING

42	PAGE 9	Page zone 9 PAGING
43	PAGE *	Page zone *PAGING
44	PICKUP	Call pickup
45	SECURE	Override secure
46	SSPD TOL	System speed dial toll check
47	STN LOCK	Station locking
48	STNGRP 01	Station group 01 calling
49	STNGRP 02	Station group 02 calling
50	STNGRP 03	Station group 03 calling
51	STNGRP 04	Station group 04 calling
52	STNGRP 05	Station group 05 calling
53	STNGRP 06	Station group 06 calling
54	STNGRP 07	Station group 07 calling
55	STNGRP 08	Station group 08 calling
56	STNGRP 09	Station group 09 calling
57	STNGRP 10	Station group 10 calling
58	STNGRP 11	Station group 11 calling
59	STNGRP 12	Station group 12 calling
60	STNGRP 13	Station group 13 calling
61	STNGRP 14	Station group 14 calling
62	STNGRP 15	Station group 15 calling
63	STNGRP 16	Station group 16 calling
64	STNGRP 17	Station group 17 calling
65	STNGRP 18	Station group 18 calling
66	STNGRP 19	Station group 19 calling
67	STNGRP 20	Station group 20 calling
68	STNGRP 21	Station group 21 calling
69	STNGRP 22	Station group 22 calling
70	STNGRP 23	Station group 23 calling
71	STNGRP 24	Station group 24 calling
72	STNGRP 25	Station group 25 calling
73	STNGRP 26	Station group 26 calling
74	STNGRP 27	Station group 27 calling
75	STNGRP 28	Station group 28 calling
76	STNGRP 29	Station group 29 calling
77	STNGRP 30	Station group 30 calling
78	SYS SPD	System speed dial
79	TRKGRP01	Trunk group 01 calling
80	TRKGRP02	Trunk group 02 calling
81	TRKGRP03	Trunk group 03 calling
82	TRKGRP04	Trunk group 04 calling
83	TRKGRP05	Trunk group 05 calling
84	TRKGRP06	Trunk group 06 calling
85	TRKGRP07	Trunk group 07 calling
86	TRKGRP08	Trunk group 08 calling
87	TRKGRP09	Trunk group 09 calling
88	TRKGRP10	Trunk group 10 calling
89	TRKGRP11	Trunk group 11 calling
80	UNCO CNF	CO to CO conference

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 700 COPY COS CONTENTS  
MMC 702 TOLL DENY TABLE  
MMC 703 TOLL ALLOWANCE TABLE  
TOLL RESTRICTION**

The DCS allows each station to be assigned a class of service for use in the day mode and a class of service for use in the night mode. This class of service determines the station's dialing class which can be set to A through H. Class A has no restrictions and Class H is restricted to internal calls only. Classes B, C, D, E, F and G are controlled by the entries listed in the deny table in MMC 702, the allow table in MMC 703 and the wild cards defined in MMC 704.

1. The deny entries prevent certain numbers from being dialed. The allow entries are ***only*** exceptions to these deny entries.
2. Listing numbers in the allow tables without any entries in the deny tables is the same as having no restriction.
3. A wild card in any position in the deny table means that an exception exists in the allow table for the digits defined by the wild card.
4. A wild card at the end of any allow entry means that more digits may be dialed.
5. Do not put a single wild card as an entry in the allow table.
6. When changing any entry or BCDEFG status, you must enter all digits.

### EXAMPLE 1

Customer requirements:

- Phones with dialing class B can dial 1 + seven digits and local calls.
- All classes (B, C, D, E, F and G) are restricted (denied) from dialing 0 + calls and all 976 calls.
- Classes B and D are restricted from dialing 1 + any area code + seven digits.
- Classes C and E can dial all area codes.
- All classes can dial 1-800 calls.

TOLL ALLOW TABLE		
ENTRY	DIGITS	BCDEFG
0001	1800X	111111

[illegible]

**EXAMPLE 2**

This system is installed in an area where seven digits is a free call, 1 + seven digits is a toll call within that area code and 1 + ten digits is a call to another area code. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

- All classes (B, C, D, E, F and G) are restricted from dialing 411 calls, 976 calls, 1-900 calls and 0 + calls.
- Only Class B phones can dial 1-800 numbers.
- Class C phones can only dial local calls, 1 + seven digits and numbers in area code 212.
- Class E phones can only dial 911.

TOLL DENY TABLE		
ENTRY	DIGITS	BCDEFG
001	976	111111
002	1976	111111
003	1XXX976	111111
004	1900	111111
005	1X1X	010000
006	1X0	010000
007	0	111111
008	411	111111
009	1800	011111
010	X	000100

TOLL ALLOW TABLE		
ENTRY	DIGITS	BCDEFG
001	1212X	010000
002	911	000100

WILD CARD	0	1	2	3	4	5	6	7	8	9	*	#
X	1	1	1	1	1	1	1	1	1	1	0	0
Y	0	0	0	0	0	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0	0	0	0	0	0

**EXAMPLE 3**

This system is installed in an area where seven digits is a free call, 1 + seven digits is a toll call within that area code and 1 + ten digits is a call to another area code. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

Class B phones are in a national telemarketing group that cannot dial numbers in its own area code (305) but is allowed calls to all other area codes. 1-800 calls are allowed and 1-900 calls are not.

TOLL DENY TABLE		
ENTRY	DIGITS	BCDE
001	X	1000
002	1305	1000
003	1900	1000

TOLL ALLOW TABLE		
ENTRY	DIGITS	BCDE
001	1X0X	1000
002	1X1X	1000
003	1800X	1000

[illegible]

### EXAMPLE 4

This system is installed in an area where not all seven digit calls are "free" and a 1 is not required when dialing other area codes. Area codes all have 0 or 1 as a middle digit.

Customer requirements:

- Class B phones can only dial area codes east of the Mississippi and all C.O. prefixes in their own area code.
- Class C phones are allowed to dial 186 out of 292 C.O. prefixes.
- Class D phones are only allowed to dial 57 of the 292 C.O. prefixes.
- Classes C and D cannot dial outside their own area code.

The large number of entries required to demonstrate this example makes a full listing impractical. Follow these guidelines:

Class B Programming–List all of the allowed area codes in the allow table and mark each entry for Class B and enter X0X and X1X in the deny table for Class B. This will deny all area codes not listed in the allow table.

Class C Programming—Enter X in the deny table to restrict all numbers not listed in the allow table and mark this entry to apply to Class C. List the 186 allowable C.O. prefixes in the allow table and mark these entries to apply to Class C.

Class D Programming—Add a 1 in the Class D column of the X entry to make it apply to Class D. List the 57 allowable C.O. prefixes in the allow table and mark these entries to apply to Class D. Some or all of these C.O. prefixes may already be entered for Class C above. Do not repeat the entry; you only need to add a 1 in the Class D column to each entry that applies to Class D.

[illegible]

## MMC: 702

## TOLL DENY TABLE

## DESCRIPTION:

Provides a way to make toll restriction very easy and flexible. There are 500 entries allowable in the deny table and each entry index can be assigned to a class of service. Each index can have up to twelve digits. With the use of wild cards (MMC 704 Assign Wild Character), more flexibility can be built into the 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 through 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## WILD CARD KEY

BUTTON	DIAL	WILD CARD
19	0	X
20	1	Y
21	2	Z

## ACTION

## DISPLAY

1. Press TRSF 702  
Display shows
2. Dial in index number 001–500 (e.g., 005)  
OR  
Press UP or DOWN key to select index and press RIGHT soft key to move cursor and enter via dial pad toll pattern (e.g., 212)  
OR  
Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options
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
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

DENY(001):BCDEFG  
:000000

DENY(005):BCDEFG  
- :000000

DENY(005):BCDEFG  
212 :000000

DENY(005):BCDEFG  
21X :000000

DENY(001):BCDEFG  
212 :000100

**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 allowable in the allow table and each entry index can be assigned to a class of service. Each index can have up to twelve 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 through 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## WILD CARD KEY

BUTTON	DIAL	WILD CARD
19	0	X
20	1	Y
21	2	Z

## ACTION

## DISPLAY

1. Press TRSF 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 via dial pad toll pattern (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
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 TRSF to store and exit  
OR  
Press SPK 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 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 so needed.

### 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 TRSF 704  
Display shows
2. Press UP or DOWN key to select X, Y, or Z. and press  
RIGHT soft key to advance cursor to option line
3. Press UP or DOWN key to move cursor to option digit  
desired (e.g., 5) and enter a digit 1  
under the desired digit. If needed, place a digit 1 under  
one or more digits  
Press LEFT soft key to return to step 2  
OR  
Press RIGHT soft key to return to step 1
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

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

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

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

### DEFAULT DATA: ALL ENTRIES SET TO 0

### RELATED ITEMS: MMC 702 TOLL DENY TABLE MMC 703 TOLL ALLOWANCE TABLE

# MMC: 705 ASSIGN SYSTEM SPEED DIAL

## DESCRIPTION:

Enables the assignment of system speed dialing numbers. There are 500 entries available for programming.

Each speed dial number consists of a trunk or trunk group access code followed by a separator and up to 18 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
SPK	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 TRSF 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 18 digits (digits will scroll under) and press RIGHT soft key to return to step 2	SYS SPEED DIAL 505:9-121223456789
4. Press F key to toggle to MMC 706 step 3 to enter name	SYS SPEED NAME 505:
5. Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

## DEFAULT DATA: NONE

## RELATED ITEMS: MMC 706 SYSTEM SPEED DIAL BY NAME MMC 606 ASSIGN SPEED BLOCK

# MMC: 706 SYSTEM SPEED DIAL BY NAME

## DESCRIPTION:

Allows a 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 keypad user to select a speed dial location by scanning its name.

Names are written using 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 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 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.

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 ~.

## 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
TRSF	Used to store and exit MMC

## ACTION

1. Press TRSF 706  
Display shows
2. Dial system speed entry number (e.g., 505)  
OR  
Press UP or DOWN to select entry number  
and press RIGHT soft key to move cursor

## DISPLAY

SYS SPEED NAME  
500:

SYS SPEED NAME  
505:

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:SAMSUNG

SYS SPEED DIAL  
505:

4. Press RIGHT soft key to return to step 2 above

OR

Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

## DEFAULT DATA: NO NAMES

**RELATED ITEMS: MMC 705 ASSIGN SYSTEM SPEED DIAL  
MMC 606 ASSIGN SPEED BLOCK**

# MMC: 707

# AUTHORIZATION CODE

## DESCRIPTION:

Enables the authorization feature on a per-class of service selection. There are 250 available entries.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 707  
Display shows
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
3. Enter authorization code (maximum four digits) via dial  
keypad (e.g., 1234) and press RIGHT soft key to move  
cursor
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
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

AUTHOR.CODE(001)  
CODE:      COS:--

AUTHOR.CODE(005)  
CODE:\_      COS:--

AUTHOR.CODE(001)  
CODE:1234    COS:--

AUTHOR.CODE(001)  
CODE:1234    COS:05

### DEFAULT DATA: NONE

### RELATED ITEMS: MMC 305 ASSIGN FORCED CODE MMC 725 SMDR OPTIONS

# MMC: 708

# ACCOUNT CODE

## DESCRIPTION:

Enables the account code entry feature. There are 500 available entries.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 708  
Display shows
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
3. Enter account code (maximum 12 digits) via dial keypad  
(e.g., 1234) and press RIGHT soft key to move cursor  
back to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

ACCOUNT CODE  
(001)

ACCOUNT CODE  
(005)

ACCOUNT CODE  
(005)123456789012

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 305 ASSIGN FORCED CODE**

# MMC: 709

# PBX ACCESS CODE

## DESCRIPTION:

Provides a way to identify the access codes needed to work toll restriction when system is used with either a PBX or CENTREX-supplied dial tone. There is a maximum of five (5) entries allowable.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 709  
Display shows
2. Enter in index number (e.g., 3)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor
3. Enter in via dial keypad the desired access/feature code  
(e.g., 9)  
Press RIGHT soft key to enter and return to step 2 and  
enter more entries
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

PBX ACCESS CODE  
1:

PBX ACCESS CODE  
3:\_

PBX ACCESS CODE  
3:9

### DEFAULT DATA: NONE

**RELATED ITEMS:** MMC 401 C.O. / PBX LINE  
MMC 702 TOLL DENY TABLE  
MMC 703 TOLL ALLOWANCE TABLE



## 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 with a digit string length of ten numerical digits. This system will automatically maintain 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

**ACTION****DISPLAY**

1. Press TRSF 710  
Display shows
2. Dial LCR entry (e.g.,005)  
OR  
Press UP or DOWN to select entry and press RIGHT soft key to move cursor
3. Enter LCR digit string via the dial key pad and press RIGHT soft key  
OR  
Press LEFT soft key to return to step 1
4. Enter digit length (00-31)  
Cursor will move to RT:  
Enter route selection (1-16)  
OR  
Press LEFT soft key to return to length value  
Valid entry will return you to step 1
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

LCR DIGIT (001)  
DIGIT:

LCR DIGIT (005)  
DIGIT: \_

LCR DIGIT (005)  
DIGIT:305426

LCR DIGIT (005)  
LENGHT:10 RT:01

**DEFAULT DATA:**

Dialed digit	Length	Route
100,123,142 150 ~ 155 191 ~ 196	03	01
112	03	01
2 ~ 9	01	01
192	03	02
10865	05	01
192	03	02
883177	06	01
999	03	01
00	04	03
001	03	04
0860	04	01
01867	05	01

**RELATED ITEMS: MMC 210 CUSTOMER ON/OFF PER TENANT  
MMC 712 LCR ROUTE TABLE**

## MMC: 711

## LCR TIME TABLE

## DESCRIPTION:

This table allows the flexibility of 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 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
SPK	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 TRSF 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 to make entry and move cursor and advance to step 3
3. Dial time band (A-D, e.g., B)  
OR  
Press UP or Down to make time band selections and press RIGHT soft key to make entry and move cursor and advance to step 4

## DISPLAY

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

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

LCR TIME (WED:B)  
HHMM: TIME:-

- 4 Dial time via key pad (24 hour format)  
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 dialed, return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

LCR TIME (WED:B)  
HHMM:0800 LCRT:-

LCR TIME (WED:B)  
HHMM:0800 LCRT:1

**DEFAULT DATA:** System may works 24 hours a day and 7 days a week with this default.

DAY	TIME BAND	TIME	LCRT
SUN	A	0000	1
	B	2359	1
MON	A	0000	1
	B	2359	1
TUE	A	0000	1
	B	2359	1
WED	A	0000	1
	B	2359	1
THU	A	0000	1
	B	2359	1
FRI	A	0000	1
	B	2359	1
SAT	A	0000	1
	B	2359	1

**RELATED ITEMS: MMC 712 LCR ROUTE TABLE**

## MMC: 712

## LCR ROUTE TABLE

**DESCRIPTION:**

The LCR ROUTE TABLE has the responsibility for the selection of 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 will use the LCR ROUTE TABLE to select a specific predetermined trunk group. There is a maximum number of 16 routes available beginning with the ROUTE NUMBER 1. If more than one trunk group are available for call completion, the system will use the first designated trunk group and then start to utilize succeeding trunk groups. If all trunk groups are busy in a selected route, call queue will become active and allocate 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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

**ACTION****DISPLAY**

1. Press TRSF 712 Display shows	LCR ROUTE ( <u>0</u> 1:1) 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 and advance to next step 3	LCR ROUTE ( <u>0</u> 5:1) 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 and advance to next step 4	LCR ROUTE (05: <u>2</u> ) C:1 G:NONE M:---
4. Dial LCRCOS number 1–8 (e.g., 4) OR Press UP or DOWN to selected COS and press RIGHT soft key to move cursor and advance to next step 5	LCR ROUTE (05:2) C: <u>4</u> G:NONE M:---
5. Dial TRUNK GROUP access code 80–89 (e.g., 81) OR Press UP or DOWN to selected access code and press RIGHT soft key to move cursor and advance to next step 6	LCR ROUTE (05:2) C:4 G: <u>8</u> 1 M:---

6. Dial MODIFY DIGITS index number 001–100 (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:81 M:Q50

LCR ROUTE (05:2)  
C:4 G:81 M:---

7. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA:**

ROUTE	TIME BAND	COR	TRK GRP	MODIFY TBL INDEX
01	1	1	9	001
02	1	1	9	002
03	1	1	9	003
04	1	1	9	004

**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, also referred to as Outdial Rules, gives 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 10288 (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.

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
SPK	Used to store data and advance to next MMC
HOLD	Used to clear previous entry

## ACTION

1. Press TRSF 713  
Display shows
2. Enter index number ( e.g., 005)  
OR  
Press UP or DOWN keys to make selection and  
press RIGHT soft key to move cursor
3. Enter in number of digits to delete  
OR  
Press RIGHT soft key to skip step and move cursor to  
next step
4. Enter digits to be inserted (e.g., 10288)  
OR  
Press RIGHT soft key to skip step or to store information  
and advance to next step
5. Enter digits to be appended (e.g., 45678)  
OR  
Press RIGHT soft key to skip step or to store  
information and return to step 2.

## DISPLAY

LCR MODIFY (001)  
NOF DEL DGT:00

LCR MODIFY (005)  
NOF DEL DIGT:00

LCR MODIFY (005)  
INS:\_

LCR MODIFY (005)  
INS:10288\_

LCR MODIFY (005)  
APP:\_

4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA:**

INDEX	NOF DEL DGT	INSERT	APPEND	REMARKS
001	00	-	---	BT
002	00	132	---	MCL Digital
003	00	161	---	Energys
004	00	162	---	Worldcom

**RELATED ITEMS: MMC 710 LCR DIGIT TABLE**



# MMC: 714 DID NUMBER AND NAME TRANSLATION

## DESCRIPTION:

Provides a method of assigning a incoming DDI call to a specific station. If you registered DDI service in your Local Exchange Network, you can match each DDI number to specific station according to the day or night mode using this operation and you can give option ; when destination station is busy, incoming call can be cleared or camp-on that station to alarm that there is another call. And there is an extra option to adjust the number of digits to be compared by skipping the programmed counts from the first digit point provided by the Network. If there is no matching number in DID NUMBER TABLE, DCS system routes this call to operator group.

There are total 200 entries in the system and each entry consists of the following fields.

- |                |   |
|----------------|---|
| 0. DIGITS      | Digits to be received. Wild card(*) is valid entry and 10 digits maximum.   |
| 1. DAY DEST    | Destination in day mode and it could be a station, a station group, a trunk and trunk group. Repeat (B) will be acceptable to bypass.   |
| 2. NIGHT DEST  | Destination in day mode and it could be a station, a station group, a trunk and trunk group. Repeat (B) will be acceptable to bypass.   |
| 3. CALL WAIT   | Toggles YES or NO.  |
| 4. NOF DEL DGT | Decides the number of digits not to be translated from the first digit received. It is useful when the received digits are consist of subsequent numbers and prefixed with same-digit stream repeated. (i.e., non-significant digit). |
| 5. NAME        | Give name to an individual entry and 11 characters maximum.   |

Names are written using the keypad in a same manner as SPEED NAME, refer to below table;

COUNT	2	3	4	5	1
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 special characters: #, space, &, !, :, ?, ., %, \$, -, <, >, /, =, [, ], @, ^, (, ), \_ , +, {, }, |, ;, \, " and ~.

**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 to toggle between upper case and case

**ACTION****DISPLAY**

1. Press TRSF 714 Display shows	DID DIGIT (001) DGT:
2. Enter valid index number, e.g., 005, via dial key pad OR Press UP or DOWN key to make selection and press RIGHT soft key to move cursor	DID DIGIT (005) DGT:
3. Enter the DDI number (e.g., 4603831) via dial key pad and press RIGHT soft key to move cursor. Max digit is 10	DID DIGIT (005) DGT: 4603831
4. Enter destination via dial key pad for day mode OR Press UP or DOWN key to make selection If valid entry, system advances cursor	DID DIGIT (005) DAY DEST : 204
5. Enter destination via dial key pad for night mode OR Press UP or DOWN key to make selection If valid entry, system advances cursor	DID DIGIT (005) NIGHT DEST : 204
6. Enter 1 for yes or 0 for no call waiting If entry is NO, press RIGHT soft key to move cursor If entry is YES, system will advance cursor	DID DIGIT (005) CALL WAIT : NO
7. Enter in the digits to be deleted via dial key pad OR Press UP or DOWN key to make selection	DID DIGIT (005) NOF DEL DGT : 3
8. Enter name using above table and press RIGHT soft key to return to step 2	DID DIGIT (005) NAME: _
9. Press TRSF to store and exit OR Press SPK to store and advance to next MMC	

**DEFAULT DATA: There are three entries (001, 002 and 003)**

	001	002	003
DIGITS	2**	3**	5**
DAY DEST B	B	B	
NIGHT DEST	B	B	B
CALL WAIT NO	NO	NO	
NOF DEL DGT	0	0	0
NAME	NONE	NONE	NONE

**RELATED ITEMS: MMC 419 BRI OPTION  
MMC 420 PRI OPTION  
MMC 421 MSN DIGIT  
"A" BUTTON IS BUTTON #19 ON KEYSET**

# MMC:715 PROGRAMMED STATION MESSAGE

## DESCRIPTION:

Allows a 16 character custom message to be programmed. Messages are written via the keypad. Each press of a key will select a character. Pressing a different key moves 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.

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 ~.

## 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

## ACTION

1. Press TRSF 715  
Display shows
2. Enter index number (e.g., 11)  
OR  
Press UP or DOWN arrow to make selection and press  
RIGHT soft key to move cursor

## DISPLAY

PGM .MESSAGE(01)  
IN A MEETING

PGM.MESSAGE (11)

3. Enter message via the dial key pad using the above table  
(maximum 16 characters)  
Use "A" key to toggle uppercase/lowercase  
Press RIGHT soft key to return to step 2 above
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

PGM.MESSAGE(11) SunBathing
-------------------------------

**DEFAULT DATA: TEN PROGRAMMED MESSAGES AS DETAILED BELOW**

01. IN A MEETING
  02. OUT ON A CALL
  03. OUT TO LUNCH
  04. LEAVE A MESSAGE
  05. PAGE ME
  06. OUT OF TOWN
  07. IN TOMORROW
  08. RETURN AFTERNOON
  09. ON VACATION
  10. GONE HOME
- MESSAGES 11-20 ARE NOT USED

**RELATED ITEMS: MMC 115 SET PROGRAMMED MESSAGE**  
**"A" BUTTON IS BUTTON #19 ON KEYSSET**

# MMC: 716

# NETWORK CODE

## DESCRIPTION:

This MMC provides secondary network access code when the call is routed to the secondary network . Maximum entries are up to 16 and 10 digits maximum in length each.

### NOTE:

The second entry may be selected as a primary secondary network. By default, 132(MCL Digital Access). If dialed digits are not matches to the entry in the LCR DIGIT TABLE (MMC 710) and started with 0, then the network code in the second entry will be dialed out by the system prior to transmitting dialed digit.

## 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 TRSF 716  
Display shows
2. Enter in index number (e.g., 3)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor
3. Enter the desired access in via dial keypad  
Press RIGHT soft key to enter and return to step 2 and  
enter more entries
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

NETWORK CODE  
1:121

NETWORK CODE  
3:161

NETWORK CODE  
3:163

**DEFAULT DATA: 1: 121**

**2: 132**

**3: 161**

**RELATED ITEMS: MMC 710 LCR DIGIT TABLE  
MMC 711 LCR TIME TABLE  
MMC712 LCR ROUTE TABLE  
MMC 713 LCR MODIFY DIGIT TAB**

# MMC: 717

# PIN CODE

## DESCRIPTION:

This MMC is used to assign PIN code used when the call is routed to secondary 131 MCL network.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 717  
Display shows
2. Enter in index number (e.g., 2)  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to move cursor
3. Enter the desired access code in via dial keypad  
Press RIGHT soft key to enter and return to step 2 and enter another entries
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

PIN CODE  
1:

PIN CODE  
2:

PIN CODE  
2:3040506

### DEFAULT DATA: NONE

**RELATED ITEMS:** MMC 210 CUSTOMER ON/OFF PER TENANT  
MMC 313 ASSIGN PIN CODE  
MMC 716 NETWORK ACCESS CODE

MMC: 718

MY AREA CODE

DESCRIPTION:

This MMC is used for handling CLIP received from ISDN line for Memory or CLIP Review dial use.

In some situation, crude CLI from network is not the type of later dialing purpose. There is a content which identifying what type of zonal call is being progressed, i.e., Type of Number specified in ETSI.

According to Specification, Types of numbers could be:

- COUNTRY
- Call from International.
- AREA
- Call from Intra/Inter Area in a country.

PROGRAM KEYS

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

ACTION

1. Press TRSF 718
- Display shows
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
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.
4. Press TRSF to store and exit
- OR
- Press SPK to store and advance to next MMC

DISPLAY

- MY AREA CODE
- COUNTRY:
- MY AREA CODE
- AREA :
- MY AREA CODE
- AREA :2

DEFAULT DATA: NONE

RELATED ITEMS: CLIP REVIEW SAVE/DIAL  
CLIP ABANDONED LIST



# MMC: 720 COPY KEY PROGRAMMING

## DESCRIPTION:

Provides a tool for the 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 copying and target sets must be same button number.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 720  
Display shows
2. Enter the station number (e.g., 205)  
OR  
Press UP or DOWN keys to make selection and  
press RIGHT soft key to move cursor
3. Enter in station number to copy from and cursor is  
returned to step 2  
OR  
Press UP or DOWN keys to make selection
4. Press RIGHT soft key to return to step 2 above  
OR  
Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

[201] COPY KEY  
SRC PHONE:NONE

[205] COPY KEY  
SRC PHONE:NONE

[205] COPY KEY  
SRC PHONE:203

### 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 DCS 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. 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
SPK	Used to store data and advance to next MMC

### ACTION

### DISPLAY

- |   |                           |
|---|---------------------------|
| 1. Press TRSF 721<br>Display shows  | [201] SAVE KEY<br>RESTORE |
| 2. Enter desired station number (e.g.,205)<br>OR<br>Press UP or DOWN key to make selection and press<br>RIGHT soft key                          | [205] SAVE KEY<br>RESTORE |
| 3. Press UP or DOWN key to make function selection (e.g.,<br>SAVE)  | [201] SAVE KEY<br>SAVE    |
| 4. Press RIGHT soft key to enter and return to step 2<br>OR<br>Press TRSF to store and exit<br>OR<br>Press SPK to store and advance to next MMC |                           |

### 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 for the customizing of programmable keys on specific electronic keysets on the DCS system. Buttons 1 and 2 are set as CALL buttons by default. Features are entered via the dial pad key by pressing the dial pad number the required 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 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	IOG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	SG
DIAL 8	TG	UA	VDIAL

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 722  
Display shows
2. Enter selected station number (e.g., 205)  
OR  
Press UP or DOWN key to select station number and press RIGHT soft key to move cursor
3. Enter selected key number (e.g., 18)  
OR  
Press UP or DOWN key to select key number and press RIGHT soft key to move cursor
4. Using above chart pressing dial pad key 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 to return to step 2

## DISPLAY

[201] KEY PROG.  
01:CALL1 →

[205] KEY PROG.  
01:CALL1 →

[201] KEY PROG.  
18:NONE →\_

[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
6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

[201] KEY PROG.  
18:NONE →GPIK03

## DEFAULT DATA: SEE BELOW

## RELATED ITEMS: MMC 107 KEY EXTENDER

### 24 Button Keypad with or without Display

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE
13:NONE	14:NONE	15:NONE	16:NONE	17:NONE	18:NONE
19:CONF	20:MUTE	21:GPICK	22:PAGE	23:CBK	24:MSG

### 12 Button Keypad

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE

### Add-On Module

01:DS	13:DS	25:DS	37:DS
02:DS	14:DS	26:DS	38:DS
03:DS	15:DS	27:DS	39:DS
04:DS	16:DS	28:DS	40:DS
05:DS	17:DS	29:DS	41:DS
06:DS	18:DS	30:DS	42:DS
07:DS	19:DS	31:DS	43:DS
08:DS	20:DS	32:DS	44:DS
09:DS	21:DS	33:DS	45:DS
10:DS	22:DS	34:DS	46:DS
11:DS	23:DS	35:DS	47:DS
12:DS	24:DS	36:DS	48:DS

### Programmable Key Assignments

AAPLAY AUTO ATTND MESSAGE PLAY  
AAREC AUTO ATTND MESSAGE RECORD  
ACCT: ACCOUNT  
ALARM: ALARM RING ANSWER  
BARGE: BARGE-IN  
BLOCK: OHVA BLOCK  
BOSS: BOSS / SECRETARY  
CALL: CALL BUTTON  
CAMP: STATION CAMP ON  
CANMG: MESSAGE CANCEL  
CBK: CALL BACK  
CLIP: CLIP

CONF: CONFERENCE  
CSNR: CLIP SAVE NUMBER REDIAL  
DICT: DICTATION  
DIR: DIRECTORY  
DLOCK: DOOR LOCK  
DND: DO NOT DISTURB  
DP: DIRECT PICK UP  
DS: DSS KEY  
DT: DTS KEY  
FAUTO: FORCED AUTO ANSWER  
FLASH: FLASH  
FWRD: CALL FORWARD  
GPIK: GROUP PICK UP  
HLDPK: HOLD PICK UP  
HOLD: HOLD  
IOG: IN/OUT OF GROUP  
INQUIRE: CLIP INQUIRE  
ISPY: CLIP SPY  
LCR: LEAST COST ROUTING  
LISTN: GROUP LISTENING  
LNR: LAST NUMBER REDIAL  
MMPA: MEET ME PAGE ANSWER  
MMPG: MEET ME PAGE  
MSG: MESSAGE  
MUTE: MUTE  
NEW: NEW CALL  
NIGHT: NIGHT SERVICE  
NND: NAME NUMBER DATE (CLIP)  
NXT: NEXT (CLIP)  
OHVA: OFF HOOK VOICE ANNOUNCE  
OPER: OPERATOR  
PAGE: PAGE  
PAGPK: PICKUP PAGE HOLD  
PGMSG: PROGRAMMED STATION MSG  
REJECT: OHVA REJECT  
RETRY: AUTO REDIAL ON BUSY  
REWV: REVIEW (CLIP)  
SG: STATION GROUP  
SETMG: SET MESSAGE W/O RING  
SNR: SAVED NUMBER REDIAL  
SP: SUPERVISOR OF UCD  
SPD: SPEED DIAL  
TG: TRUNK GROUP  
TIMER: TIMER  
UA: UNIVERSAL ANSWER  
VDIAL: DIAL BY VOICE ACCESS  
VREC: RECORD KEY FOR DIAL BY VOICE

**RELATED ITEMS: MMC 107 KEY EXTENDER**

# 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 pad key, by pressing the dial pad number the required steps to select the feature. For example, for OHVA, the number 6 is pressed three times. If the BOSS key is required, first press 2 for the first letter B and then use the UP or DOWN key to make the selection from BARGE to BOSS.

NOTE: Please remember that this program is system-wide.

DIAL KEYPAD

COUNT	1	2	3
DIAL 2	AAPLAY	BARGE	CALL
DIAL 3	DICT	DICT	FAUTO
DIAL 4	GPIK	HLDPK	IOG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	SG
DIAL 8	TG	UA	VDIAL

### TYPE OF SET

DIAL	0	24 BTN SETS
DIAL	1	12 BTN SETS
DIAL	2	ADD ON MODL
DIAL	3	24B EU-SETS
DIAL	4	12B EU-SETS
DIAL	5	6B EU-SETS
DIAL	6	48B EU-AOM

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 723  
Display shows
2. Enter via dial pad type of set ( e.g.,2)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor

## DISPLAY

SYS.KEY PROGRAM  
TYPE:24 BTN SETS

SYS.KEY PROGRAM  
TYPE:ADD ON MODL

3. Enter key number (e.g., 18)  
OR  
Press UP or DOWN key to make selection and  
press RIGHT soft key move cursor
4. Using above chart pressing dial pad key  
number to make selection  
OR  
Press UP or Down key to make selection and press  
RIGHT soft key to advance cursor to step 5 to enter  
extender if required  
OR  
Press LEFT soft key to return to step 3
5. If required, enter extender (e.g.,03)  
OR  
Press UP or DOWN key to make selection  
Press RIGHT soft key to return to step 2  
Press LEFT soft key to return to step 3
6. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

SYS.KEY PROGRAM  
18:DS    ☐

SYS.KEY PROGRAM  
18:DS    ☐GPIK

SYS.KEY PROGRAM  
18:DS    ☐GPIK03

**DEFAULT DATA: SEE BELOW****24 Button Keypad with or without Display**

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE
13:NONE	14:NONE	15:NONE	16:NONE	17:NONE	18:NONE
19:CONF	20:MUTE	21:GPICK	22:PAGE	23:CBK	24:MSG

**12 Button Keypad**

01:CALL1	02:CALL2	03:NONE	04:NONE	05:NONE	06:TG9
07:NONE	08:NONE	09:NONE	10:NONE	11:NONE	12:NONE

**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

### Programmable Key Assignments

AAPLAY	AUTO ATTENDANT PLAY
AAREC	AUTO ATTENDANT RECORD
ACCT:	ACCOUNT
ALARM:	ALARM RING ANSWER
BARGE:	BARGE-IN
BLOCK:	OHVA BLOCK
BOSS:	BOSS / SECRETARY
CALL:	CALL BUTTON
CAMP:	STATION CAMP ON
CANMG:	MESSAGE CANCEL
CBK:	CALL BACK
CONF:	CONFERENCE
DICT:	DICTATION
DIR:	DIRECTORY
DLOCK:	DOOR LOCK
DND:	DO NOT DISTURB
DP:	DIRECT PICK UP
DS:	DSS KEY
DT:	DTS KEY
FAUTO:	FORCED AUTO ANSWER
FLASH:	FLASH
FWRD:	CALL FORWARD
GPIK:	GROUP PICK UP
HLDPK:	HOLD PICK UP
IOG:	IN/OUT OF GROUP
LCR:	LEAST COST ROUTING
LISTN:	GROUP LISTENING
LNR:	LAST NUMBER REDIAL
MMPA:	MEET ME PAGE ANSWER
MMPG:	MEET ME PAGE
MSG:	MESSAGE
PGMSG	PROGRAMMED STATION MESSAGE
NEW:	NEW CALL
NIGHT:	NIGHT SERVICE
OHVA:	OFF HOOK VOICE ANNOUNCE
OPER:	OPERATOR
PAGE:	PAGE
PAGPK:	PICKUP PAGE HOLD
REJECT:	OHVA REJECT
RETRY:	AUTO REDIAL ON BUSY
SG:	STATION GROUP
SETMG:	SET MESSAGE W/O RING
SNR:	SAVED NUMBER REDIAL
SP:	SUPERVISOR OF UCD
SPD:	SPEED DIAL
TG:	TRUNK GROUP
TIMER:	TIMER
UA:	UNIVERSAL ANSWER
VDIAL:	DIAL BY VOICE ACCESS
VREC	RECORD KEY FOR DIAL BY VOICE

**RELATED ITEMS: MMC 107 KEY EXTENDER**



# MMC: 724

# DIAL NUMBERING PLAN

## DESCRIPTION:

Provide the access codes and dialing plan needed for operation of features and programs. The system comes with a wide range of acceptable numbering plans set as default and the option to customize the dialing plan. There is also an error message provided because of the chance of duplicating an access/feature code. Dialing codes are entered via the dial pad key, by pressing the dial pad number the required steps to select the feature. For example, for OHVA, the number 6 would be pressed three times. If Block Code is required, press 2 for the first letter B and then use the UP or DOWN key to make the selection from BARGE to BLOCK.

NOTE: Please remember that this program is system-wide.

DIAL KEY PAD

COUNT###	1	2	3
DIAL 2	AAPLAY	BARGE	CAMP
DIAL 3	DECT	DECT	FAUTO
DIAL 4	GPIK	HLDPK	IOG
DIAL 5	LCR	LCR	LCR
DIAL 6	MMPA	NEW	OHVA
DIAL 7	PAGE	REJECT	S0
DIAL 8	TG	UA	
DIAL 9	WCOS	WCOS	WCOS

## PROGRAM KEYS

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

## ACTION

1. Press TRSF  
Display shows
2. Using the chart, press dial pad key  
number to make selection  
  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to advance cursor
3. Enter in digits via the dial key pad (01-48)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to advance cursor
4. Enter in digits via the dial key pad

## DISPLAY

DIAL NUMBER PLAN  
ACCT :47 →

DIAL NUMBER PLAN  
DECT01 :7901→\_

DIAL NUMBER PLAN  
DECTQ1:7901→

DIAL NUMBER PLAN  
DECT01:7901→8000

5. Press LEFT soft key to enter change and continue to make changes

OR

Press RIGHT soft key to enter and return to step 2

If a error message appears indicating duplication of access code.

Enter 1 for YES for change

Enter 0 for NO for no change

SAME DIAL EXIST  
CHANGE? Y:1,N:0

SAME DIAL EXIST  
CHANGE? Y:1,N:0

6. Press TRSF to store and exit

OR

Press SPK to store and advance to next MMC

#### DEFAULT DATA: SEE BELOW

ACCT	47
ALM	NONE
ALMCLR	57
AUTH	*
BARGE	NONE
BGM	3701-3719
BLOCK	NONE
BOSS	NONE
CAMP	45
CANMG	42
CBK	44
CONF	46
CB	3801-3819
DECT**	7901-7948
DICT	NONE
DIR	NONE
DIRPK	65
DISALM	58
DLOCK	13
DND	40
FAUTO	14
FLASH	49
FWD	60
GRPK	66
HLDPK	12
IOG	53
LCR	NONE
LISTN	NONE
LNR	19
LB	3901-3919
MMC(SLT)	15
MMPA	56
MMPG	54
MSG	43
MYGRPK**	NONE
NEW	NONE
NIGHT	NONE
OHVA	NONE
OPER	0 (9)
PAGE	55

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PAGPK	10
PMSG	48
REJECT	NONE
RETRY	NONE
ROP	3601-3639
S0**	7801-7832
SETMG	41
SGP	500-529
SNR	17
SPEED	16
STN	201-299, 301-349
TGP	9 (0), 80-89
TRK	701-799
UA	67
VDIAL	681
VREC	682
WCOS	59

## RELATED ITEMS: ALL PROGRAMS AND FEATURES

### Note:

1. \*\* Added as from Main SW version V4.0

**DECT01-48** assigns desired possible pilot number on a per DECT port.

**MYGRPK** add to compliment existing group pickup feature which was not comfortable to use by the DCS users who MUST press Group Pickup Code plus two-digit group number. With this numbering code users are just required to press the code to pickup the call ringing within the same group. This means both of ringing and picking up are MUST be in the same pickup group.

**S0 01-32** assigns desired possible pilot number on a per S0 port instead of 7801-7832.

## 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:

- |                    |   |
|--------------------|---|
| 0. 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.                              |
| 1. 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.  |
| 2. INCOMING CALL   | This option determines whether incoming calls will print on SMDR.   |
| 3. OUTGOING CALL   | This option determines whether outgoing calls will print on SMDR.   |
| 4. AUTHORIZE CODE  | This option determines whether authorization codes will print on SMDR.  |
| 5. LESS START TIME | This option determines whether valid calls will include the minimum call time in total call duration.   |
| 6. 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.  |
| 7. 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.  |
| 8. WAKE-UP CALL    | This option determines whether stations receiving an alarm reminder call will print on SMDR.  |
| 9. DIRECTORY NAME  | This option allows the system administrator to enter a 16 character name which will appear on the SMDR header.  |
| 10. CLIP           | This option can be selected to print CLIP data received from the C.O. on incoming ISDN calls. This option requires the use of a 132 column printer or an 80 column printer set for condensed print. |
| 11. ABANDON CALL   | If this option is set to YES unanswered calls will print on SMDR.   |

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

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. Pressing the bottom left programmable key will change the letter from upper case to lower case.

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

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 *	:	=	[	]	*

## 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
A	Key19; act as toggle between upper case and lower case

## ACTION

1. Press TRSF 725  
Display shows
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
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
4. If option 0 is selected at step 2
5. If option 2 is selected at step 2
6. If option 3 is selected at step 2

## DISPLAY

PAGE HEADER  
PRINT : YES

LINE PER PAGE  
66 LINE / PAGE

LINE PER PAGE  
50 LINE / PAGE

OR  
LINE PER PAGE  
50 LINE / PAGE  
THEN  
LINE PER PAGE  
50 LINE / PAGE

PAGE HEADER  
PRINT : YES

INCOMING CALL  
PRINT : YES

OUTGOING CALL  
PRINT : YES

- |  |  |
|--|--|
| 7. If option 4 is selected at step 2   | AUTHORIZE CODE<br>PRINT : <u>N</u> O   |
| 8. If option 5 is selected at step 2   | LESS START TIME<br>PRINT : <u>Y</u> ES |
| 9. If option 6 is selected at step 2   | IN/OUT GROUP<br>PRINT : <u>Y</u> ES    |
| 10. If option 7 is selected at step 2  | DND CALL<br>PRINT : <u>Y</u> ES        |
| 11. If option 8 is selected at step 2  | WAKE-UP CALL<br>PRINT : <u>Y</u> ES    |
| 12. If option 9 is selected at step 2  | DIRECTORY NAME<br>—                    |
| 12a. Enter the 16 character name as described above  | DIRECTORY NAME<br>SAMSUNG DCS          |
| 12b. Press RIGHT key to save name and<br>return to step 2  | DIRECTORY NAME<br>SAMSUNG DCS          |
| 13. If option 10 is selected at step 2   | CLIP DATA<br>PRINT : <u>Y</u> ES       |
| 14. If option 11 is selected at step 2   | ABANDONED CALL<br>PRINT : <u>Y</u> ES  |
| 15. After all desired options have been selected,<br>press TRSF to exit<br>OR<br>Press SPK to exit and advance to next MMC |  |

**DEFAULT DATA:**

PAGE HEADER	YES
LINE PER PAGE	66
INCOMING CALL	NO
OUTGOING CALL	YES
AUTHORIZE CODE	NO
LESS START TIME	YES
IN/OUT GROUP	NO
DND CALL	NO
WAKE-UP CALL	YES
DIRECTORY NAME	NO DEFAULT DEFINED
CLIP DATA	YES
ABANDON CALL	YES

**RELATED ITEMS:** MMC 300 CUSTOMER ON AND OFF PER STATION  
"A" BUTTON IS BUTTON #19 ON KEYSET

## MMC: 726

## VM/AA OPTIONS

### DESCRIPTION:

Provides a flexible means of setting in band signaling for voice mail or auto attendant parameters. There are eight main options for programming and several sub-options to customize the application. Main options are listed in bold type with the sub-options listed in normal type. Simple YES/NO, numeric and alpha characters are the requirements needed for the setting of VM/AA.

The following options may be selected for VM/AA operation:

In band signaling OPTIONS LIST 0-7

- |                      |   |
|----------------------|---|
| 0. EXT FOR DN1       | DTMF information for the station that called the VM/AA port station that is forwarded to VM/AA port.  |
| 1. TRK FOR DN1       | DTMF information for the trunk that called the VM/AA port.  |
| 2. EXT FOR DN2       | DTMF information for the station that originated the call to a station that is forwarded to a VM/AA port.   |
| 3. TRK FOR DN2       | DTMF information for the trunk that called a station forwarded to a VM/AA port.   |
| 4. SEPERATOR         | In cases where DN2 is used, this specific digit is sent between the DN1 and the DN2 information. Both DN1, DN2 must be set to YES for SEPERATOR to be sent. |
| 5. DISCONNECT SIGNAL | This signal is sent when the calling station or C.O. line hangs up.   |
| 6. CALL TYPE ID      | Under this VM/AA option is several customizing applications.  |
| 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.                    |
| 7. CALL PROGRESS TONES | DTMF digits can be sent in place of normal system tones. Digits can be assigned to the following tones: |

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

NOTE: Default data of call progress tones will automatically cleared once if the SMDI VMS SET (MMC 210) is turned on.

## 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 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

- Press TRSF 726  
Display shows
- Enter the OPTION number from above list (e.g., 4)  
  
OR  
Press UP or DOWN key to make selection  
Press LEFT soft key to move cursor
- 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
- If option 0 is selected at step 2
- If option 1 is selected at step 2
- If option 2 is selected at step 2

## DISPLAY

**EXT FOR DN1**  
**YES**

**SEPERATOR**  
**NO**

**SEPERATOR**  
**YES**

**EXT FOR DN1**  
**YES**

**TRK FOR DN1**  
**YES**

**EXT FOR DN2**  
**NO**



- |   |   |
|---|---|
| 7. If option 3 is selected at step 2  | <b>TRK FOR DN2</b><br><b>NO</b>                 |
| 8. If option 4 is selected at step 2<br>(A valid entry consists of digits 0-9 or alpha characters A-C)  | <b>SEPERATOR</b><br><b>NO</b>                   |
| 9. If option 5 is selected at step 2<br>(A valid entry consists digits 0-9 or alpha characters A-C)   | <b>DISCONNECT SIGNAL</b><br><b>C</b>            |
| 10. If option 6 is selected at step 2<br>(A valid entry consists of digits 0-9 or alpha characters A-C)<br>See above list under the CALL TYPE ID options list | <b>CALL TYPE ID</b><br><b>DIRECT CALL : NO</b>  |
| 11. If option 7 is selected at step 2<br>(A valid entry consists of digits 0-9 or alpha characters A-C)<br>See above list under the PROGRESS TONE ID          | <b>PROGRESS TONE ID</b><br><b>DIAL TONE : B</b> |

**DEFAULT DATA: ALL SET TO NO**  
**EXT FOR DN1 = YES**  
**TRK FOR DN1 = YES**  
**EXT FOR DN2 = NO**  
**TRK FOR DN2 = NO**  
**SEPARATOR = NO**  
**DISCONNECT SIGNAL = C**  
**CALL TYPE ID = NO (ALL)**  
**PROGRESS TONE ID = BA**

**RELATED ITEMS: MMC 207 ASSIGN VM/AA PORT**  
**MMC 601 ASSIGN STATION GROUP**

# MMC: 727 SYSTEM VERSION DISPLAY

## DESCRIPTION:

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

### PROGRAM KEYS

SPK                      Used to store data and advance to next MMC

### ACTION

1. Press TRSF 805  
Display shows

Press UP or DOWN key to select other system versions, it travels around within the system boards.

SPEECH PROCESSOR

LOCAL PROCESSOR

LOCAL PROCESSOR

E1 Card, if supported

AA Card

CxSy: C represents cabinet number installed  
S does slot number located.

Voice Dialer Card

CxSy: C represents cabinet number installed  
S does slot number located.

BRI Card

CxSy: C represents cabinet number installed  
S does slot number located.

PRI Card

CxSy: C represents cabinet number installed  
S does slot number located.

2. If no board found when travels the Boards by pressing UP or DOWN key, then LCD will show "NO {selected Board} CARD". Never mind it and go ahead.

### DISPLAY

ROM VERSION(UK)  
95. 03. 23. V1.0

CPM VERSION(UK)  
95. 03.23. V1.0

LPM1 VERS. (UK)  
95. 03.23. V1.0

LPM2 VERS. (UK)  
95. 03.23. V1.0

E1 VERSION(UK)  
95. 03.23. V1.0

AA(C3S3)VER(UK)  
95. 03.23. V1.0

VD(C3S4)VER(UK)  
95. 03.23. V1.0

BRI(C3S4)VER(EU)  
95. 03.23. V1.0

PRI(C3S4)VER(EU)  
95. 03.23. V1.0

E1 VERSION(UK)  
NO E1 CARD

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 728 CLIP TRANSLATION TABLE

## DESCRIPTION:

Allows the system administrator or technician to associate a CLIP 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 CLIP name" will be displayed.

The translation table consists of 250 entries with each comprised of eleven(11) digit telephone number and a 16 digit name.

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" twice 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 right soft key to move the cursor to the right.

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 *	:	=	[	]	*

## 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
A	Key19; act as toggle between upper case and lower case

## ACTION

1. Press TRSF 728  
Display shows first entry
2. Dial entry number (e.g.,005)  
OR  
Press UP or DOWN keys to scroll through entries.  
Press RIGHT soft key to select entry

## DISPLAY

CLIP XLATION (001)  
DIGIT:

CLIP XLATION (005)  
DIGIT:

3. Enter telephone number and press RIGHT soft key to advance name entry  
OR  
Enter telephone number and press LEFT soft key to return to step
4. Enter associated name as described above and press RIGHT or LEFT soft key to return step2  
OR  
Press SPK to save and advance to next MMC  
OR  
Press TRSF to save and exit programming

CLIP XLATION (Q05)  
DIGIT:3054264100

CLIP XLATION (Q05)  
SAMSUNG TELECOM

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 119 SET CLIP DISPLAY**

**"A" BUTTON IS BUTTON #19 ON KEYSET**

## MMC: 731

## AA RAM CLEAR

### DESCRIPTION:

This MMC is used for making clear AA RAM on a per AA Card basis. Through this MMC, the system only accepts the first port as a port field and LCD shows it's selection. This will erase the whole messages that has been programmed previously on the selected card.

#### ACTION

1. Press TRSF 731
2. Dial AA number  
OR Press UP or DOWN  
press RIGHT soft key
3. Dial 0(No) or 1(Yes)  
OR Press UP or DOWN
4. Dial 0(No) or 1(Yes)  
OR Press UP or DOWN
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

#### DISPLAY

[3951]RAM CLEAR  
AA RAM CLEAR?NO

[3951]RAM CLEAR  
AA RAM CLEAR?NO

[3951]RAM CLEAR  
AA RAM CLEAR?YES

[3951]RAM CLEAR  
AA RAM CLEAR?NO

#### DEFAULT DATA:

#### RELATED ITEMS: MMC 601 STATION GROUP

## MMC: 732

## AA TRANS TABLE

### DESCRIPTION:

This MMC gives more flexibilities to the system by making desired Digit Translation Table, which performs the translation from dialed digit(s) into *destination parts*. *Destination parts* could be an Intercom number, station group, REPEAT, Change Greeting Message Code and AA Plan Table.  
If you selected as REPEAT, dialed digit may be bypassed without translating.

AA TRAN TABLE 01 and 02 can have up to 100 entries each.  
The other tables(03-12) have a 25 entries.

### DESTINATION :

STATION, STATION GROUP, AA TRAN NO, REPEAT and CHANGE GREETING MESSAGE CODE

If you press A Button in DESTINATION field you are able to enter AA TRAN NUMBER. When you wish to enter the same index number( 01-12) of AA TRAN TABLE as being programmed index number, then the system will not accept with the indication of NOT PERMIT on LCD.  
For instance, if you are in the below step;

AA TRAN TB(02)  
001: →\_

if you press A Button then LCD will show P;

AA TRAN TB(02)  
001: →P\_

if you enter the same table index number 02 which is being programmed one;

AA TRAN TB(**02**)  
001: →P**02**

then you will hear error tone and LCD will show as follows;

AA TRAN TB(**02**)  
**NOT PERMIT**

If you press B Button in DESTINATION field you are able to enter REPEAT.

If you press C Button in DESTINATION field you are able to enter CHANGE GREETING MESSAGE CODE.

## ACTION

## DISPLAY

1. Press TRSF 732  
Display shows
2. Dial TABLE number  
OR Press UP or DOWN  
press RIGHT soft key
3. Dial ENTRY number  
OR Press UP or DOWN  
press RIGHT soft key
4. Dial DIGIT  
press RIGHT soft key
5. Dial Destination  
OR Press UP or DOWN  
press RIGHT soft key
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

AA TRAN TB(01)  
001:0 → 500

AA TRAN TB(02)  
001: →

AA TRAN TB(02)  
002: →

AA TRAN TB(02)  
002:2\*\* →

AA TRAN TB(02)  
002:2\*\* → 201

**DEFAULT DATA: TABLE 01 : ENTRY : 001 : 0 ® 500**  
**002 : 2\*\*® B**  
**003 : 3\*\*® B**  
**004 : 5\*\*® B**

**RELATED ITEMS: MMC 733 AA TRAN TABLE**

# MMC: 733

# AA PLAN TABLE

## DESCRIPTION:

This MMC will be used to build AA PLAN TABLE which consists of main factors, i.e. system prompt messages, decide to the next call flow according to the status of dialed party and assigning dialed digit translation table.

It will be assigned to a specific AA port or a group of AA ports through MMC 735.

There are totally 64 messages on a AA board;

- 48 messages are to be recorded by the user (01-48),
- 16 messages are pre-recorded in ROM on the board (49-64).

It's attributes are as follows;

ATTR	TITLE	DATA	COMSG
0	DAY MSG	01-64	Introduction Message during Day Mode
1	NIGHT MSG	01-64	Introduction Message during Night Mode
2	ALTER MSG	01-64	Emergency Message
3	INVLD MSG	01-64	Message when dialed invalid
4	NO ANS MSG	01-64	Message on no answer reply
5	XFER MSG	01-64	Transfer notifying Message
6	BUSY MSG	01-64	Message on busy reply
7	NO STN MSG	01-64	Message on retrial
8	NO ACT MSG	01-64	Message on no action
8	CAMP	Yes/No	Allow Camp-on onto busy extension
9	ANS DELAY	01-10	Delaying until answer (sec)
10	RETRY CNT	0-5	Count for allowing retry on faulty
11	TRANS TABLE	01-12	Assigning associated TRANS TABLE
12	BUSY DEST	DEST	Alternative destination on busy
13	NO ANS DEST	DEST	Alternative destination on no answer
14	NO ACT DEST	DEST	Default destination on no action
15	INVALID DEST	DEST	Default destination on invalid action

There are totally 12 tables (01-12) maximum in the system and not necessary to be programmed all tables.

**DESTINATION** : STATION,STATION GROUP,AA PLAN NO, REPEAT.

### ACTION

1. Press TRSF 733  
Display shows
2. Dial AA PLAN TABLE number  
OR Press UP or DOWN  
press RIGHT soft key
3. Dial attributes number  
OR Press UP or DOWN  
press RIGHT soft key

### DISPLAY

AA PLAN PROG(01)  
DAY MSG : NONE

[AA PLAN PROG(02)  
DAY MSG : NONE

AA PLAN PROG(02)  
NIGHT MSG :NONE



4. Dial Value per Items  
OR Press UP or DOWN  
press RIGHT soft key
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

AA PLAN PROG(02)  
NIGHT MSG : 01

<b>DEFAULT DATA:</b>	<b>DAY MSG</b>	<b>: 49</b>
	<b>NIGHT MSG</b>	<b>: NONE</b>
	<b>ALTER MSG</b>	<b>: NONE</b>
	<b>INVLD MSG</b>	<b>: 64</b>
	<b>NO ANS MSG</b>	<b>: 51</b>
	<b>XFER MSG</b>	<b>: 53</b>
	<b>BUSY MSG</b>	<b>: 52</b>
	<b>NO STN MSG</b>	<b>: 50</b>
	<b>NO ACT MSG</b>	<b>: 59</b>
	<b>CAMP ON</b>	<b>: OFF</b>
	<b>ANS DELAY TIME</b>	<b>: 01 sec</b>
	<b>RETRY CNT</b>	<b>: 3</b>
	<b>TRANS TABLE</b>	<b>: 01</b>
	<b>BUSY DESTINATION</b>	<b>: 500</b>
	<b>NO ANSWER DESTINATION</b>	<b>: 500</b>
	<b>NO ACT DESTINATION</b>	<b>: 500</b>
	<b>INVALID DESTINATION</b>	<b>: 500</b>

**RELATED ITEMS: MMC 732 AA TRANS TABLE**  
**MMC 734 AA MESSAGE MATCH**

# MMC: 734 AA MESSAGE MATCH

## DESCRIPTION:

Through this MMC individual messages or a group of messages recorded may be identified as indexed number from 01 through 48 on a per tenant basis. Each message can be grouped into one message, which is to be combined up to 5 individually pre-recorded ones in desired order within 64(01-64) messages.

For instance,  $05+07+13+16+64 = \underline{01}$  (Identified number).

*Please be noted that programmable messages per AA board, 01-48, should be recorded with exactly the same context if there are more than one AA boards installed in a tenant. Otherwise, prompt will be differently played if combined more than one unit messages.*

### ACTION

1. Press TRSF 734  
LCD will in such a manner as right  
if AA card is exist in the system
2. Dial the desired MSG number (01-48)  
OR  
Press UP or DOWN  
Press RIGHT soft key
3. Dial MSG number ( 01 - 64 )  
recorded in AA CARD up to 5 in a row  
OR  
Press UP or DOWN  
MMC will automatically insert ' + ' as a delimiter  
  
Press RIGHT soft key
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

AA MSG LINK(01)  
01

AA MSG LINK(01)  
01

AA MSG LINK(01)  
05+07+13+16+64

**DEFAULT DATA: MSG INDEX NUMBER**

**RELATED ITEMS: MMC 733 AA PLAN TABLE**

## MMC: 735

## AA USE TABLE

### DESCRIPTION:

This MMC assigns AA PLAN TABLE to either an individual AA port or AA group. If it has been assigned to AA group pilot number, then it supersedes individual AA port assignment if the port is belongs to the group.

( AA PLAN NUMBER is ranged from 01 to 12 )

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 735  
Display shows
2. Dial either AA number  
OR AA group pilot number  
OR Press UP or DOWN.
3. Dial AA PLAN number.  
( Press UP or DOWN )
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC.

### DISPLAY

[3951]AA PLAN  
PLAN NO : 01

[3952]AA PLAN  
PLAN NO : 01

[3952]AA PLAN  
PLAN NO : 02

**DEFAULT DATA: PLAN 01**

**RELATED ITEMS: MMC 733 AA PLAN TABLE**

# MMC: 736

# ASSIGN AA MOH

## DESCRIPTION:

Allows to program an AA MSG as an MOH source.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 736  
Display shows
2. Press RIGHT soft key to select MOH message  
.
3. Dial AA message no for MOH
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC.

### DISPLAY

[3951]SET AAMOH  
MOH MSG: NOT USE

[3951]SET AAMOH  
MOH MSG: NOT USE

[3951]SET AAMOH  
MOH MSG: 20

**DEFAULT DATA: NOT USE**

**RELATED ITEMS: MMC 607 UCD OPTION**

# MMC: 737

# DECT SYSTEM CODE

## DESCRIPTION:

This **MMC737 DECT SYSTEM CODE** will be used for control the codes of DECT systems which made by SAMSUNG. This MMC is composed of two fields(SYSTEM ID and AUTH CODE). SYSTEM ID is composed of 3-hexadecimal digits(range : 011 ~ FFF) to distinguish between SAMSUNG DCS Key Systems(DECT). This SYSTEM ID code will be provided by SAMSUNG per DCS key system and the code is unique. The dealer or installer of SAMSUNG DECT system must program this unique SYSTEM ID value using this MMC when DECT system is installed at the sites. Whenever DECT system installer wants to register DECT handset, installer must input the AUTH(Authentication) Code that DECT system has. At this time DCS key system compares that Authentication Code is same or not. If the system code is same as DECT system has, DECT system continues the registration procedures. Otherwise DECT system rejects registration procedure. Authentication Code is organized 4-hexadecimal digits(0000 through 9999; default value is 1590).

After the registration of DECT handsets is completed using this MMC, the Codes(SYSTEM ID and AUTH CODE) should not be changed to avoid modification of Data Base for DECT registration information.

NOTE : The SYSTEM ID value must be greater than **011**.( SYSTEM ID range : 011 ~ FFF)  
If a system installer wants to register DECT handset, the installer must change the SYSTEM ID that has range from 011 to FFF.

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 737  
Display shows
2. Press the Right soft key to move the cursor  
and Enter the AUTHrization CODE via Dial Key pad.

## DISPLAY

DECT SYSTEM CODE  
AUTH CODE : FFFF

DECT SYSTEM CODE  
AUTH CODE : 1234

3. Press the volume Up/Down key to change the field.

DECT SYSTEM CODE  
SYSTEM ID : 000

4. Press the Right soft key to move the cursor  
and Enter the AUTHrization CODE via Dial Key pad.

DECT SYSTEM CODE  
SYSTEM ID : 678

5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA:**

<b>AUTH CODE</b>	<b>FFFF</b>
<b>SYSTEM ID</b>	<b>000</b>

**RELATED ITEMS: MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**

# MMC: 738 CLEAR REGISTRATION

## DESCRIPTION:

This MMC is used for deleting the registered information of DECT handset. This will erase the information of DECT handset that has been saved previously.

This MMC has three modes.

First, **FORCED** mode. When this mode is programmed, DCS system clear the information of registration by force.

Second, **MANUAL** mode. Whenever DCS system wants to clear the registration of DECT handset, DCS system must take a confirmation from DECT handset. If the confirmation is SUCCESS, DCS key system clear the registration of DECT handset( If the confirmation is FAILURE, DCS system can't clear the information).

Third, **ZAP** mode. Whenever DCS system wants to forbid using specific DECT handset, DCS system must select this mode. (This method is different from FORCED mode)

## 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 TRSF 738  
and Display shows
2. Enter the number of DECT handset via Dial key pad  
and  
Press the Right soft key to move the cursor
3. Select the deregistration mode via volume up/down key  
and Display shows.
- 4.

[7901]DECT CLEAR  
MODE : FORCED

[7901]DECT CLEAR  
MODE : FORCED

[7901]DECT CLEAR  
DECT CLEAR :YES

[7901]DECT CLEAR  
DECT CLEAR :YES

**DEFAULT DATA:   MODE   FORCED**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**



# MMC: 739

# BSI DOWNLOAD

## DESCRIPTION:

This MMC is used for download to DECT Base Station(DBS). This will update the functions of DECT that has been saved DECT Base Station.

### 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 TRSF 739
2. Select the Slot Number via UP or DOWN key.  
(Slot range : 1 ~ 7)
3. Select the DBS Number via UP or DOWN key.  
(DBS range : 1 ~ 4)
4. Press UP or DOWN key to select download and continue to confirm download.
  - If Download is in progress, the LCD will be displayed
  - If Download failure occurs, the LCD will be displayed
5. Press TRSF button to store and exit  
OR  
Press SPK button to store and advance to next MMC

BSI SLOT:3 DBS:1  
DOWNLOAD? :NO

BSI SLOT:3 DBS:1  
DOWNLOAD? :NO

BSI SLOT:3 DBS:1  
DOWNLOAD? :YES

BSI SLOT:3 DBS:1  
ARE YOU SURE?YES

BSI SLOT:3 DBS:1  
DOWNLOADING.

BSI SLOT:3 DBS:1  
DOWNLOAD FAIL

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**

# MMC: 740

# STATION PAIR

## DESCRIPTION:

This MMC allows DECT station to be assigned as a SECONDARY to another DGP station in the system. This will allow all features to be set or canceled from either set and both sets will ring when the Primary set receive a call.

## 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 TRSF 740
2. Select the Primary Station number

[201] PRIMARY  
SECONDARY : NONE

OR

Use UP or DOWN to scroll through stations and use soft keys to move the cursor

3. Select the Secondary Station number(DECT station number)

[201] PRIMARY  
SECONDARY : 7903

OR

Use UP or DOWN for selection of stations

4. Press TRSF button to store and exit

OR

Press SPK button to store and advance to next MMC

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

## MMC: 741

## BSI CARD RESTART

### DESCRIPTION:

This option provides a method of restarting BSI cards. If you run this program, each BSI card will be restarted automatically.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 741
2. Press UP or DOWN key to select the YES/NO mode.  
Or Press the digit via Dial key Pad
3. Press TRSF button to store and exit  
OR  
Press SPK button to store and advance to next MMC

### DISPLAY

BSI RESTART  
CARD RESTART ? NO

**DEFAULT DATA: NONE**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**

# MMC: 742

# BSI STATUS

## DESCRIPTION:

This MMC is used for checking BSI cards. This MMC shows the status of the BSI card.

### 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 TRSF 742
2.
  - If all Status of Master BSI is good, the LCD will be displayed("M" is Master & "S" is Slave)
  - If all Status of Slave BSI is good, the LCD will be displayed.
3. Press TRSF button to store and exit  
OR  
Press SPK button to store and advance to next MMC

BSI STATUS  
M:SUCC S:FAIL

BSI STATUS  
M:FAIL S:SUCC

**DEFAULT DATA: M: FAIL S: FAIL**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 743 DBS STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**

# MMC: 743

# DBS STATUS

## DESCRIPTION:

This MMC is used for checking status of DECT Base Station. This MMC shows the status of the DECT Base Station.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 743
2. This MMC will be displayed status of each DBS(1 ~ 8)  
  
if status is good, "1" is displayed  
or if it does not, "0" is displayed
3. Press TRSF button to store and exit

### DISPLAY

DBS : 12345678  
11101100

OR

Press SPK button to store and advance to next MMC

**DEFAULT DATA: 0000 0000**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 744 BSI REGISTRATION ON/OFF**

# MMC: 744 BSI REGISTRATION ON/OFF

## DESCRIPTION:

Allow the DECT handset registration to be enable on DCS key system. If this MMC is not opened and an attempt is made to register DECT handset, the error message will be displayed.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 744

2. Enter PASSCODE

Correct code shows

Incorrect code shows

☞ If the SYSTEM ID in MMC 737 DECT SYSTEM ID has not changed, the following message will be displayed.

ENABLE DECT REG.  
NO REG. SYSTEM ID

3. Press UP or DOWN key to select ENABLE or DISABLE and RIGHT soft key OR Dial 1 for ENABLE, dial 0 for DISABLE.

4. To log out press TRSF key

### DISPLAY

ENABLE DECT REG.  
PASSCODE:

ENABLE DECT REG.  
DISABLE

ENABLE DECT REG.  
PASSCODE ERROR

ENABLE DECT REG.  
ENABLE

**DEFAULT DATA:   DISABLE**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 202 CHANGE FEATURE PASSCODES**



# MMC: 745

# BSI CARRIER

## DESCRIPTION:

A base station uses one of 10 channels(FDMA technology).  
This MMC is used for base station to allow or deny of use each carrier .  
All carrier is used for base station by default.

### PROGRAM KEYS

KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPK	Used to store data and advance to next MMC

### ACTION

1. Press TRSF 745
2. This MMC will be displayed status of each carrier use.  
If 1 then this carrier can be used for base station.
3. Press 1 or 0 for each carrier.
4. To log out press TRSF key

### DISPLAY

CARS:0123456789  
SELS:1111111111

**DEFAULT DATA: 1111111111**

**RELATED ITEMS: MMC 737 DECT SYSTEM CODE**

**MMC 738 CLEAR REGISTRATION**

**MMC 739 BSI DOWNLOAD**

**MMC 741 BSI RESTART**

**MMC 742 BSI STATUS**

**MMC 743 DBS STATUS**

**MMC 202 CHANGE FEATURE PASSCODES**

# 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 or \*. 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
SPK	Used to store data and advance to next MMC

## ACTION

## DISPLAY

1. Press TRSF 800  
Display shows
2. Enter passcode  
  
Correct code shows  
  
Incorrect code shows
3. Press UP or DOWN to open or close  
OR  
Enter 1 to enable or enter 0 to disable, press RIGHT soft key to move to tenant number and enter tenant number (1 ~ 2)
4. Press SPK to advance to MMC entry level
5. Enter the MMC desired (e.g., 209)
6. To log out and return to MMC 800 ,press UP or DOWN key to select DISABLE TENANT:1  
OR  
Press SPK then TRSF to return to normal display  
Programming option will time out

ENABLE TECH.PROG  
PASSCODE:

ENABLE TECH.PROG  
PASSCODE:4321

ENABLE TECH.PROG  
DISABLE TENANT:1

ENABLE TECH. PROG  
PASSCODE ERROR

ENABLE TECH.PROG  
ENABLE TENANT:1

ENABLE TECH.PROG  
ENABLE TENANT:1

801:TEC.PASSCODE  
SELECT PROG.ID

209:AOM MASTER  
AOM NOT EXIST

## DEFAULT DATA: NONE

## RELATED ITEMS: MMC 801 CHANGE TECHNICIAN PASSCODE

# MMC: 801 CHANGE TECHNICIAN PASSCODE

## DESCRIPTION:

Used to change the passcode allowing 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 or \*. The current or "old" passcode is required for this MMC.

## PROGRAM KEYS

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

## ACTION

## DISPLAY

1. Press TRSF 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
5. If passcode is incorrect	TECH. PASSCODE VERIFY :FAILURE
6. System returns to step 2	TECH. PASSCODE NEW CODE: :****
7. Press TRSF to store and exit OR Press SPK 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 customer to have access to certain MMCs. For example, it is advised that the customer have access to MMC 102 Call Forward for call forwarding but it is not advised that the customer have access to MMC 710 LCR Digit Table for LCR dial plans. This MMC is for both tenants.

### PROGRAM KEYS

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

### ACTION

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

### DISPLAY

MMC TENANT:1  
100:STN LOCK:YES

MMC TENANT:1  
100:STN LOCK:YES

MMC TENANT:1  
102:CALL FWD:YES

MMC TENANT:1  
102:CALL FWD:NO

**DEFAULT DATA:** Refer to the Table on the next page

**RELATED ITEMS:** MMC20 OPEN CUSTOMER PROGRAMMING

MMC 802		CUSTOMER ACCESS MCC NUMBER	
MMC	DEFAULT	MMC	DEFAULT
100	YES	715	YES
101	YES	722	YES
103	YES	727	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		
216	YES		
404	YES		
502	YES		
505	YES		
507	YES		
602	YES		
705	YES		
706	YES		
708	YES		

## MMC: 803

## ASSIGN TENANT GROUP

### DESCRIPTION:

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

### PROGRAM KEYS

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

### ACTION

### DISPLAY

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

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

**DEFAULT DATA: ALL ASSIGNMENTS TENANT 1**

**RELATED ITEMS: TENANT GROUP**

# MMC: 804

# SYSTEM I/O PARAMETER

## DESCRIPTION:

Provides a means of setting parameters for the SIMs (Serial Interface Modules) to work with one of the followings:

- a personal computer
- with SMDR recording
- with UCD statics report/periodic UCD informations
- CTI(TSAPI) interface.

Programming can be accomplished easily with the tables below to customize any SIM port.

### 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	SIM Pair	Station Number Connected to SIM

### SERVICE TYPE

Dial 0	PCMMC	PCMMC
Dial 1	SMDR	SMDR
Dial 2	CTI	Dedicated Switch Link Interface
Dial 3	CTI/SMDR	Switch Link Interface along with SMDR
Dial 4	UCD REPT	UCD Report on request by the Suprevisor or daily
Dial 5	SMDR/UCD	Both SMDR and UCD Report will be generated
Dial 6	Not used	

### SPEED

Dial 0	1200 bps
Dial 1	2400 bps
Dial 2	4800 bps
Dial 3	9600 bps
Dial 4	19200 bps

### CHARACTER LENGTH

Dial 7	7 bits
Dial 8	8 bits

### PARITY

Dial 0	None
Dial 1	Odd
Dial 2	Even

### STOP BIT

Dial 1	1 bit
Dial 2	2 bit

**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 entry (when valid)

**ACTION**

1. Press TRSF 804  
Display shows
2. Enter in desired port via dial key pad (e.g., 2)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor
3. Enter parameter desired via dial key pad (e.g., 7) from  
the above option list  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor
4. Enter in station number of desired SIM via dial keypad  
(e.g., 2902)  
OR  
Press UP or DOWN key to display SIM(s) and press  
RIGHT soft key to return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DISPLAY**

```
SYS I/O  PORT  :1  
SERVICE:PC-MMC
```

```
SYS I/O  PORT  :2  
SERVICE:SMDR
```

```
SYS I/O  PORT  :2  
SIM PAIR :NONE
```

```
SYS I/O  PORT  :2  
SIM PAIR :2902
```

<b>DEFAULT DATA:</b>	<b>SERVICE</b>	<b>PORT 1</b>	<b>PCMMC</b>
		<b>PORT 2</b>	<b>SMDR</b>
	<b>BAUD RATE</b>	<b>9600 BPS</b>	
	<b>CHAR LENGTH</b>	<b>8 BITS</b>	
	<b>PARITY</b>	<b>NONE</b>	
	<b>RETRY COUNT</b>	<b>03</b>	
	<b>STOP BIT</b>	<b>1 BIT</b>	
	<b>WAIT TIME</b>	<b>200 MSEC</b>	

**RELATED ITEMS: PCMMC SECTION**  
**SMDR**  
**MMC311 ASSIGN SIM PARAMETER**



# MMC: 805

# TX LEVEL

## DESCRIPTION:

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

## PROGRAM KEYS

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

## ACTION

1. Press TRSF 805  
Display shows
2. Press RIGHT soft key to go to the volume data  
OR  
Use UP or DOWN key to go to the next volume level
3. Press RIGHT soft key to go to the volume data
4. Enter desired volume data via dial pad  
OR  
Use UP or DOWN key to scroll data (00-10)
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

## DISPLAY

MIC/HANDSET TX  
LLEVEL1 :01

MIC/HANDSET TX  
LLEVEL2 :01

MIC/HANDSET TX  
LEVEL2 :01

MIC/HANDSET TX  
LEVEL2 :02

MIC/HANDSET TX  
LEVEL2 :02

**DEFAULT DATA: 01**  
**RELATED ITEMS: NONE**

# MMC: 806

# CARD PRE-INSTALL

## DESCRIPTION:

Allows the pre-programming of a slot for a specific card. For example, after the system is installed and a new Trunk B card is added, running this program will cause the system to accept the card for what it is and not for what it is not.

### 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

### ACTION

1. Press TRSF 806  
Display shows
2. Enter in cabinet number (e.g., 3)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to move cursor
3. Enter in slot number (e.g., 5)  
OR  
Press UP or DOWN key to make selection and press  
RIGHT soft key to return to step 2
4. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

CARD PRE-INSTALL  
CABNET:1 SLOT:1

CARD PRE-INSTALL  
CABNET:3 SLOT:1

CARD PRE-INSTALL  
CABNET:3 SLOT:5

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 807

# VOLUME CONTROL

## DESCRIPTION:

Allows the system administrator to set the level of keyset volume.

### PROGRAM KEYS

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

### ACTION

1. Press TRSF 807  
Display shows
2. Press RIGHT soft key to select DGP volume control.
- 3 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 4 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 5 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 6 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 7 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 8 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume
- 9 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume

### DISPLAY

```
VOL.CONTROL:DGP
HANDSET VOL : 3
```

```
VOL.CONTROL:DGP
HANDSET VOL : 3
```

```
VOL.CONTROL:DGP
SPEAKER VOL : 13
```

```
VOL.CONTROL:DGP
KEY TONE VOL:1
```

```
VOL.CONTROL:DGP
SIDE TONE VOL:1
```

```
VOL.CONTROL:DGP
HANDSET TX : 3
```

```
VOL.CONTROL:DGP
MIC TX LEVEL : 3
```

```
VOL.CONTROL:DGP
NOISE GUARD : 8
```

```
VOL.CONTROL:DGP
NOISE THRES.:1
```

- 10 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume

**VOL. CONTROL: DGP**  
**ALC THRES. : 7**

- 11 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume

**VOL. CONTROL: DGP**  
**TX/RX THRES. : 3**

- 12 Press RIGHT soft key to change the volume level  
OR  
Use UP or DOWN key to scroll next volume

**VOL. CONTROL: DGP**  
**TX/RX COMP : 5**

- 13 Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

**DEFAULT DATA:**

<b>HANDSET VOL</b>	<b>: 3</b>
<b>SPEAKER VOL</b>	<b>: 3</b>
<b>KEY TONE VOL</b>	<b>: 1</b>
<b>SIDETONE VOL</b>	<b>: 1</b>
<b>HANDSET TX</b>	<b>: 3</b>
<b>MIC TX LEVEL</b>	<b>: 3</b>
<b>NOISE GUARD</b>	<b>: 8</b>
<b>NOISE THRES.</b>	<b>: 1</b>
<b>ALC THRES.</b>	<b>: 1</b>
<b>TX/RX THRES.</b>	<b>: 3</b>
<b>TX/RX COMP.</b>	<b>: 5</b>

**RELATED ITEMS: NONE**

# MMC: 810

# HALT PROCESSING

## DESCRIPTION:

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

### 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
ANS/RLS	Used to select ALL

### ACTION

1. Press TRSF 810  
Display shows
- 2a. Enter in cabinet selection via dial keypad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
- 2b. Press ANS/RLS to select all cabinets and all slots
3. Enter in slot number via dial keypad  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to advance cursor
4. Enter in 1 for HALT or 0 to PROC  
OR  
Press UP or DOWN key to make selection and press RIGHT soft key to enter data and return to step 2
5. Press TRSF to store and exit  
OR  
Press SPK to store and advance to next MMC

### DISPLAY

HALT/PROCESSING  
C:ALL S:ALL→PROC

HALT/PROCESSING  
C:3 S:ALL→PROC

HALT/PROCESSING  
C:ALL S:ALL→PROC  
HALT/PROCESSING  
C:3 S:5 →PROC

HALT/PROCESSING  
C:3 S:5 →HALT

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

# MMC: 811

# RESET SYSTEM

## DESCRIPTION:

Provides two methods of restarting the system. The first method restarts the system and clear all memory. The second method restarts the system only. 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 system returns to defaulted status.

## PROGRAM KEYS

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

## ACTION

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

## DISPLAY

SYSTEM RESTART  
RESET SYSTEM?NO

SYSTEM RESTART  
CLEAR MEMORY?NO

SYSTEM RESTART  
CLEAR MEMORY?YES

SYSTEM RESTART  
ARE YOU SURE?YES

**DEFAULT DATA: NONE**

**RELATED ITEMS: NONE**

311:	Assign SIM Parameter	SIM TYPE = DTE CALL MODE = MANUAL ANS MODE = MANUAL AUTO BAUD = ON DTR CHECK = ON ECHO = ON PROTOCOL = V110 SPEED = 9600 CHAR LENGTH = 8 BITS PARITY = NONE STOP BIT = 1
312:	Allow CLIP	ALL STATIONS ARE ALLOWED
313:	Assign PIN Code	ALL STATIONS ARE CODE #1
400:	Customer On/Off per Trunk	1A2 EMULATE OFF TRUNK INC DND OFF TRUNK FORWARD ON
401:	C.O./PBX Line	ALL TRUNKS C.O. LINE
402:	Trunk Dial Type	ALL TRUNKS DTMF
403:	Trunk Toll Class	ALL TRUNKS F-STN DAY/NIGHT
404:	Trunk Name	NO NAMES ENTERED
405:	Trunk number	NO NUMBERS ENTERED
406:	Trunk Ring Assignment	ALL TRUNKS DAY: 500 NIGHT: 500
407:	Forced Trunk Release	NONE
408:	Assign Trunk Music on Hold Source	TONE
409:	Trunk Status Read	SEE MMC 409
410:	Assign DISA Trunk	ALL TRUNKS NORMAL
411:	Assign E1 Signal Type	NONE
412:	Assign Trunk Signal	IMMEDIATE
414:	MPD/PRS Signal	
415:	Report Trunk Abandon Data	NO
416:	AC15 Translation	UNUSED
417:	PRI CRC4 Option	CRC4 ON
418:	Card Restart	NONE
419:	BRI Option	CHANNEL ANY: YES BRI MODE: P-P NOR DLSEND: OVERLAP POWER FEED: NO
420:	PRI Option	DLSEND: OVERLAP PRI MODE: NORMAL
421:	MSN Digit	CW YES OPTION ACCEPT DAY AND NIGHT 01
422:	Assign Trunk COS	TRUNK
423:	S/T Mode	
424:	SO Mapping	NONE

500:	System-Wide Counters	ALARM PREMINDER CNTR	5
		AUTO REDIAL COUNTER	5
		DISA INTERCOM CNTR	5
		DISA LOCK COUNTER	5
		NEW CALL COUNTER	99
		UCD VISUALALM COUNTER	0
		UCD AUDIO ALM COUNTER	0
501:	System Timers	SEE TABLE OF TIMERS AND VALUES	
502:	Forward no Answer Timer	TIMER SET FOR 15 SECONDS	
503:	Trunk-Wide Timer	SEE MMC 503	
504:	Pulse make/Break Ratio	MAKE/BREAK = 33 PULSES PER SECOND = 10	
505:	Assign Data and time	DATE OF SW GENERATED	
506:	Tone Cadence	SEE MMC 506	
507:	Assign Auto Night Time	START 0000	
508:	Call Cost	END 0000	
509:	CO Tone Cadence	SEE MMC 509	
510:	Message Wait LED Cadence	NONE	
600:	Assign Operator Group	RING MODE	NONE
		OVERFLOW TIME	000 SEC
		GRP TRSF TIME	000 SEC
		NEXT PORT	NONE
		GROUP MEMBER	MEMBER 01:201
		OTHER MEMBER	NONE
601:	Assign Station Group	NONE	
602:	Station Group Name	NONE	
603:	Assign Trunk Group	ALL TRUNKS ARE IN GROUP 9	
604:	Assign Station to Page Zone	NO STATIONS ASSIGNED ALL ZONE IS SET	
605:	Assign External Page Zone	NONE	
606:	Assign Speed Block	SYSTEM: 200 ENTRIES STATIONS: ONE BIN OF TEN ENTRIES	
607:	UCD Options	1ST MSG	61
		2ND MSG	62
		EXIT CODE	NONE
		RETRY CNT	03
		FINAL DEST	500
		AUTO LOGOUT	030SEC
		UCD RECL TM	010SEC
		MOH SOURCE	NONE
608:	Assign Review Block	NO REVIEW BLOCKS ARE ASSIGNED	
700:	Copy COS Contents	NONE	
701:	Assign COS Contents	ALL OPTIONS SET TO YES	
702:	Toll Deny Table	ALL ENTRIES ARE SET TO 0	
703:	Toll Allowance Table	ALL ENTRIES ARE SET TO 0	
704:	Assign Wild Character	ALL ENTRIES ARE SET TO 0	
705:	Assign System Speed Dial	NONE	
706:	System Speed Dial by Name	NO NAMES	
707:	Authorization Code	NONE	
708:	Account Code	NONE	
709:	PBX Access Code	NONE	
710:	LCR Digit Table	SEE MMC 710 - DEFAULT DATA	
711:	LCR Time Table	SEE MMC 711 - DEFAULT DATA	
712:	LCR Route Table	NONE	
713:	LCR Modify Digit Table	NONE	
714:	DID Number and Name Translation	NO ENTRIES	



715:	Programmed Station Message	TEN PREPROGRAMMED MESSAGES (SEE MMC 715)
716:	Network Code	1: 121 2: 132 3: 161
717:	PIN Code	NONE
720:	Copy Key Programming	NONE
721:	Save Station Key Programming	NONE
722:	Station Key Programming	SEE MMC 722
723:	System Key Programming	SEE MMC 723
724:	Dial Numbering Plan	SEE MMC 724
725:	SMDR Options	PAGE HEADER = YES LINE PER PAGE = 66 INCOMING CALL = YES AUTHORIZE CODE = NO LESS START TIME = YES IN/OUT GROUP = NO DND CALL = NO WAKE-UP CALL = YES DIRECTORY NAME = NO DEFAULT DEFINED
726:	VM/AA Options	ALL SET TO NO EXT FOR DN1 = YES TRK FOR DN1 = YES EXT FOR DN2 = NO TRK FOR DN2 = NO SEPARATOR = NO DISCONNECT SIGNAL = C ALL TYPE ID = NO (ALL) PROGRESS TONE = BA READ ONLY
727:	System Version Display	NONE
728:	CLIP Translation Table	NONE
731:	AA RAM Clear	NONE
732:	AA Trans Table	TABLE 01: 001 : 0 → 500 002 : 2**→ B 003 : 3**→ B 004 : 5**→ B
733:	AA Plan Table	SEE MMC733
734:	AA Msg Match	NONE
735:	AA Use Table	NONE
736:	Assign AA MOH	NONE
737:	DECT System Code	AUTH CODE FFFF SYSTEM ID 000 MODE FORCED
738:	Clear Registration	NONE
739:	BSI Download	NONE
740:	Station Pair	NONE
741:	BSI Card Restart	NONE
742:	BSI Status	M:FAIL S:FAIL
743:	DBS Status	0000 0000
744:	BSI Registration On/Off	DISABLE
745:	BSI Carrier	1111111111
800:	Enable Technician Program	NONE
801:	Change Technician Passcode	DEFAULT PASSCODE = 1234
802:	Customer Access MMC Number	NONE
803:	Assign Tenant Group	ALL ASSIGNMENTS TENANT 1

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804:	System I/O Parameter	SERVICE PORT 1	PCMMC
		PORT 2	SMDE
		BAUD RATE	9600 BPS
		CHAR LENGTH	8 BITS
		PARITY	NONE
		RETRY COUNT	03
		STOP BIT	1 BIT
		WAIT TIME	200 MSEC
805:	TX Level		
806:	Card Pre-Install	NONE	
807:	Volume Control	SEE MMC 807 DEFAULT DATA	
810:	Halt Processing	NONE	
811:	Reset System	NONE	

